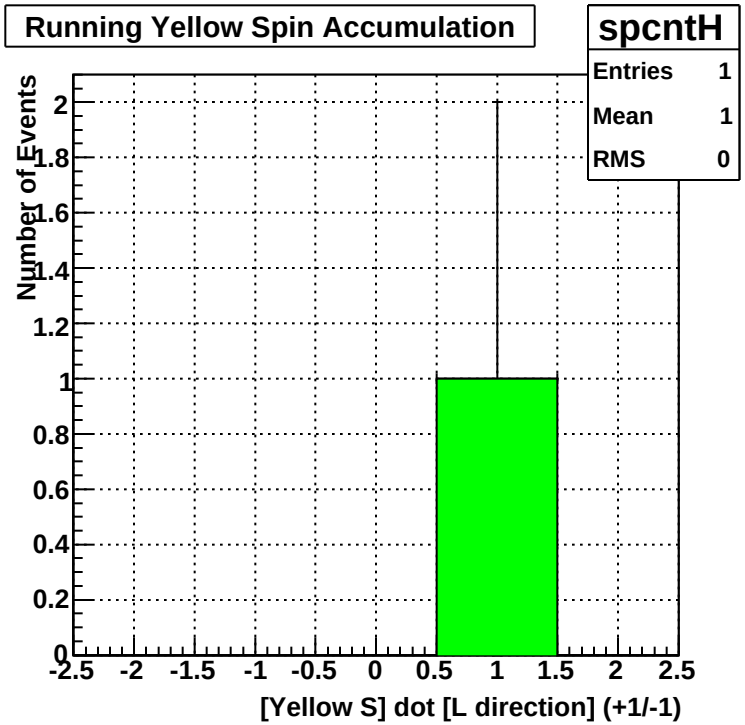
1) Rnum=7117050 EventN=6401970 (1 Yu-N[+])

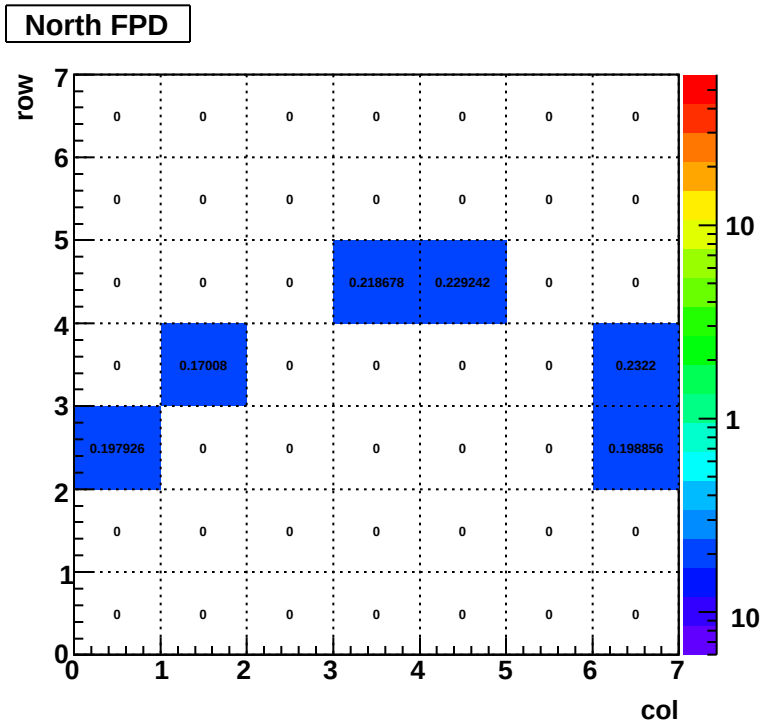
(1) Energy=36.082764 Y=-3.671302 Phi=-0.196860

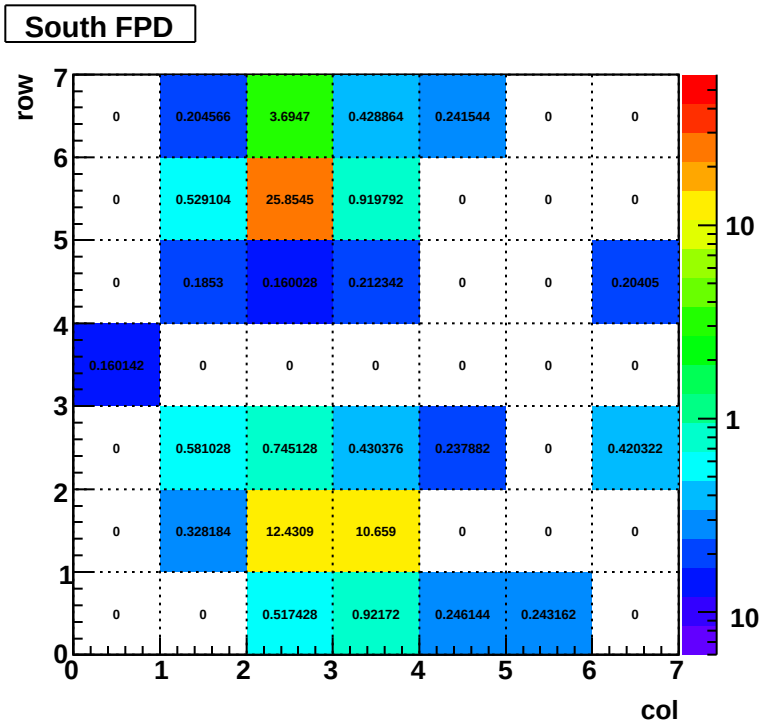
(2) Energy=26.550714 Y=-3.631404 Phi=0.193910

M12=0.627 Y12=-3.673 Phi12=-0.028 E12=62.633

SumN(-) = 0 SumN(+)= 1 AN/.6=1.667







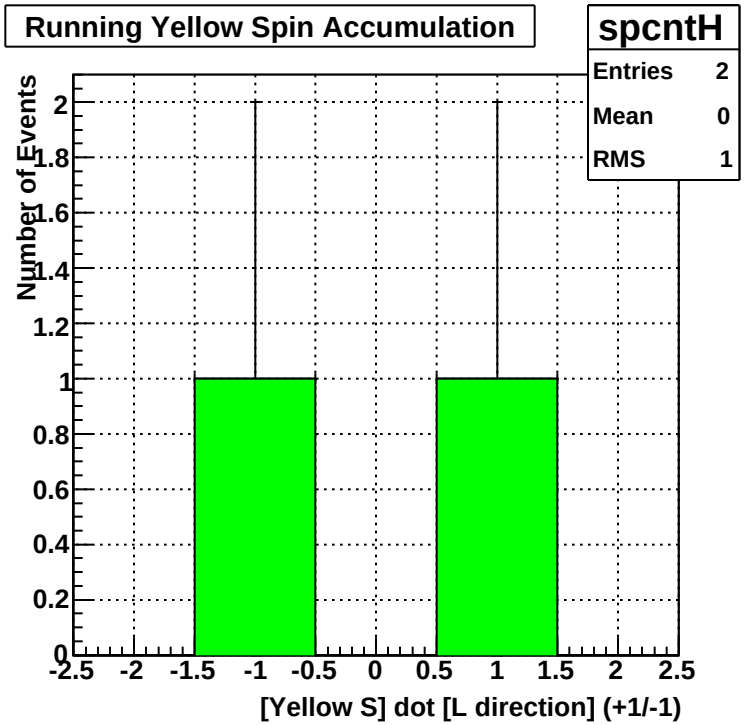
2) Rnum=7117050 EventN=2305376 (3 Yu-S[-])

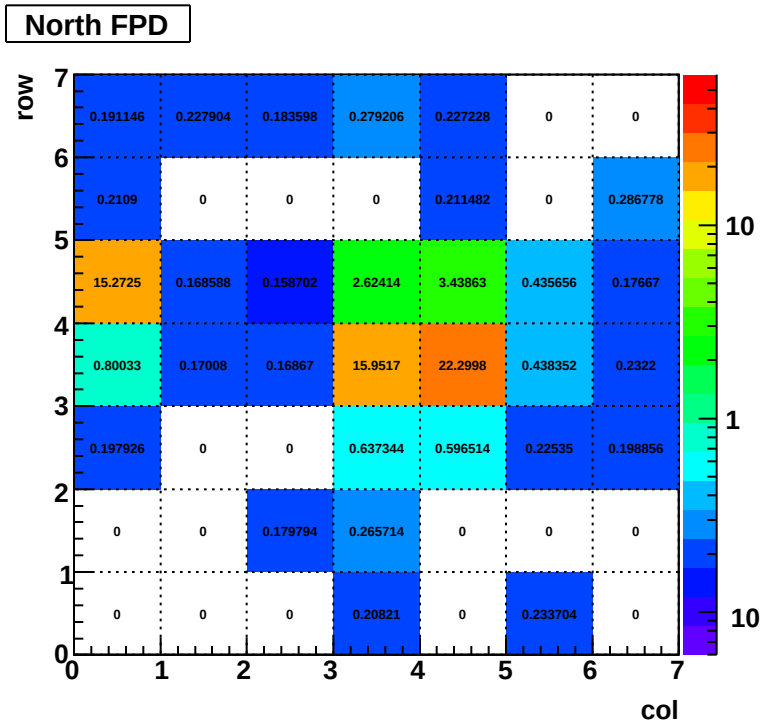
(1) Energy=46.692013 Y=-3.560369 Phi=-3.134574

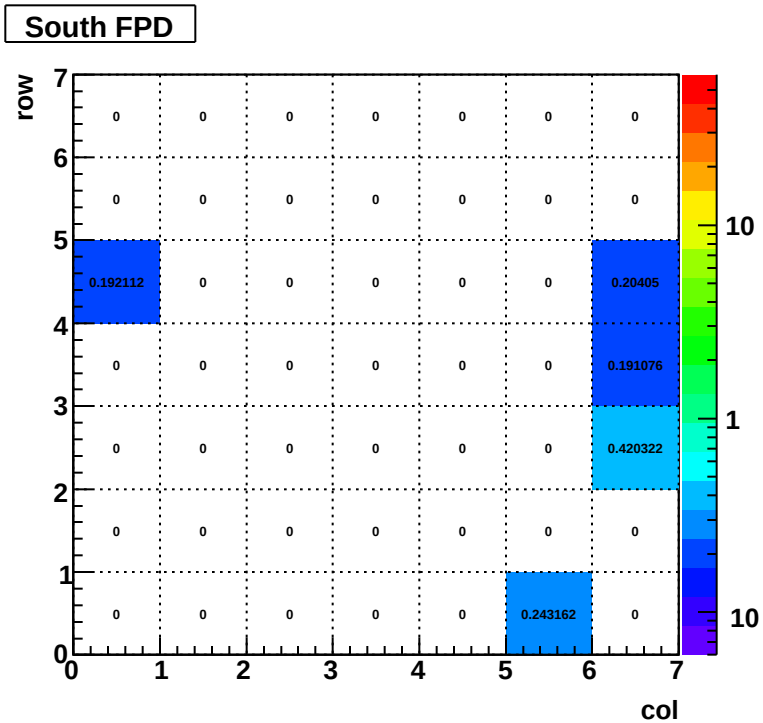
(2) Energy=19.265944 Y=-3.925858 Phi=-3.052525

M12=0.535 Y12=-3.655 Phi12=-3.116 E12=65.958

SumN(-) = 1 SumN(+)= 1 AN/.6=0.000







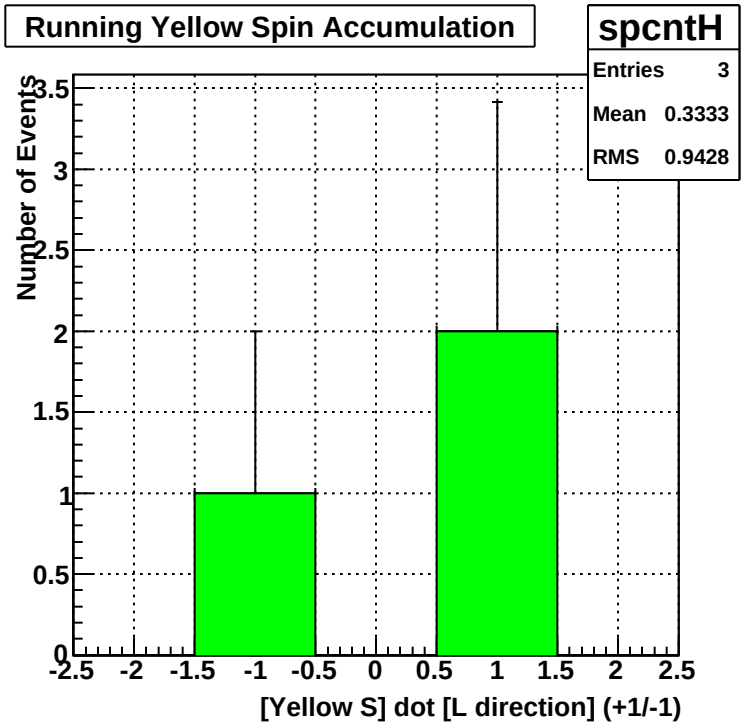
3) Rnum=7117051 EventN=703104 (3 Yu-N[+])

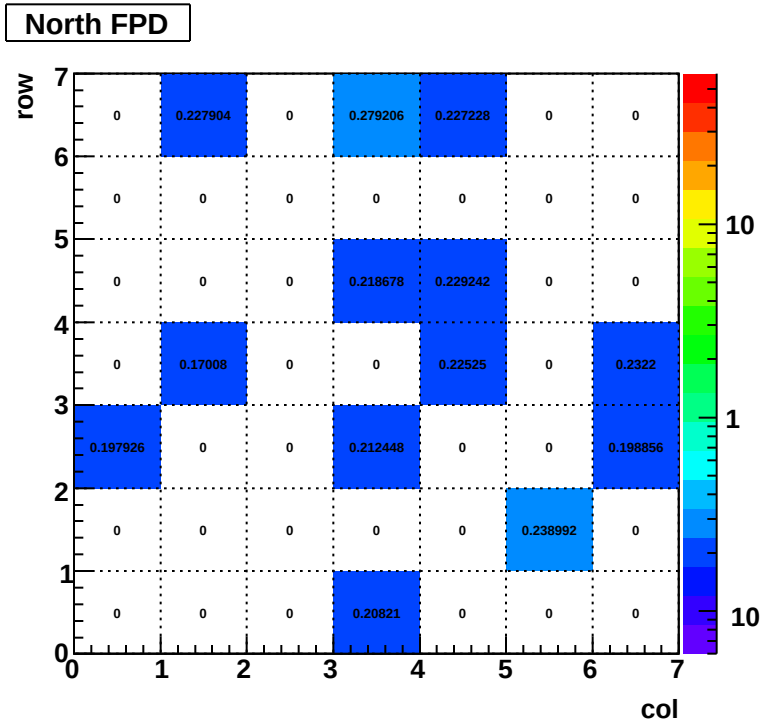
(1) Energy=31.828320 Y=-3.779049 Phi=0.111393

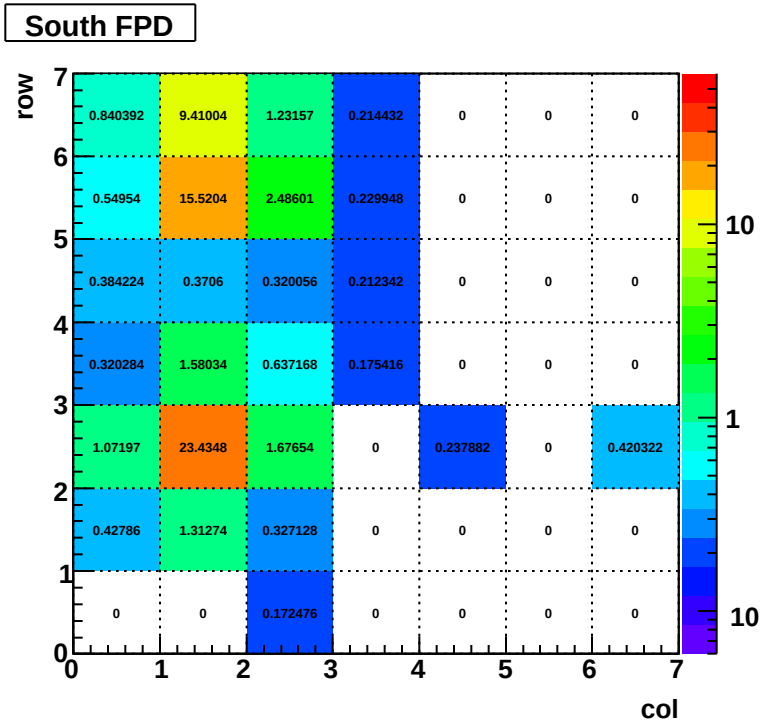
(2) Energy=31.575512 Y=-3.743290 Phi=-0.231848

M12=0.506 Y12=-3.776 Phi12=-0.063 E12=63.404

SumN(-) = 1 SumN(+)= 2 AN/.6=0.556







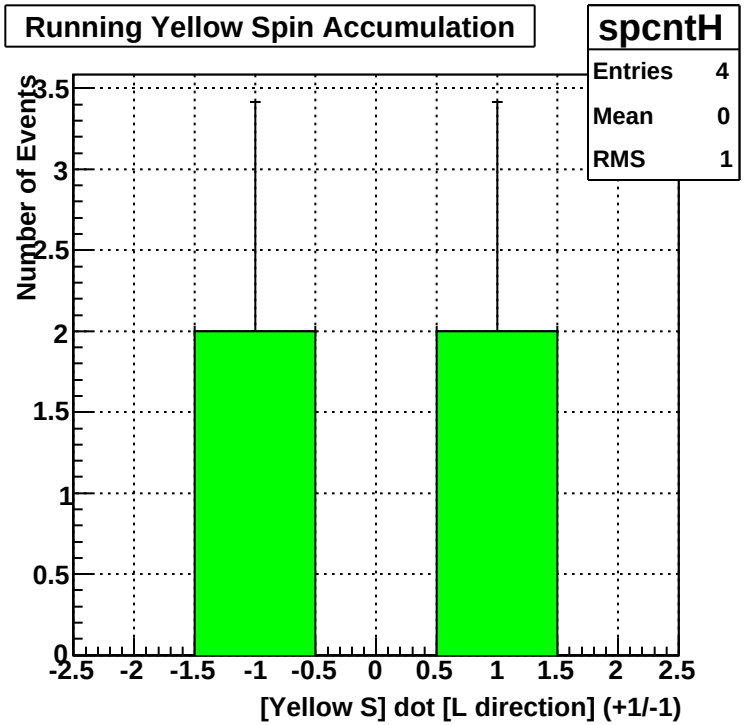
4) Rnum=7117058 EventN=5307883 (2 Yd-N[-])

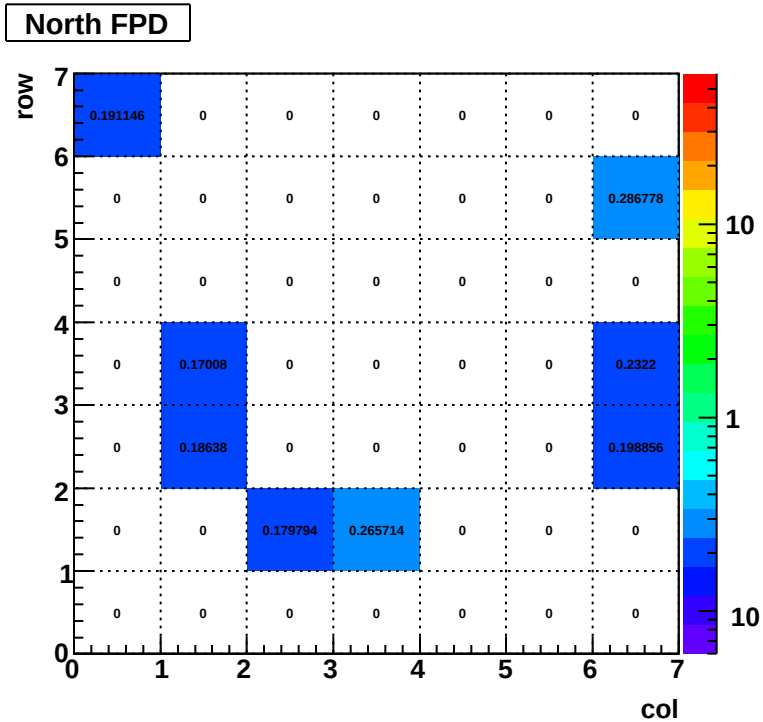
(1) Energy=44.020607 Y=-3.618094 Phi=-0.004380

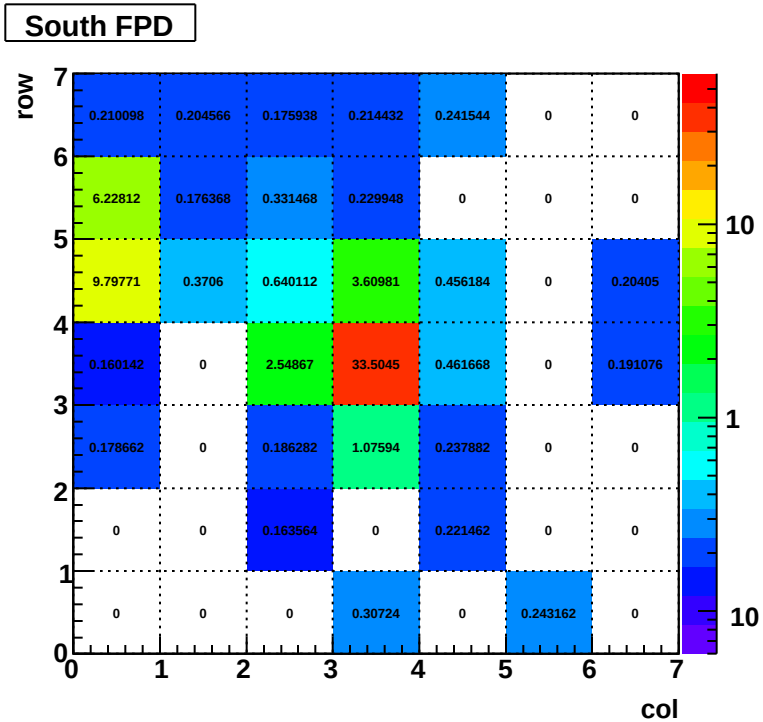
(2) Energy=19.633543 Y=-3.914775 Phi=-0.156186

M12=0.454 Y12=-3.703 Phi12=-0.042 E12=63.654

SumN(-) = 2 SumN(+)= 2 AN/.6=0.000







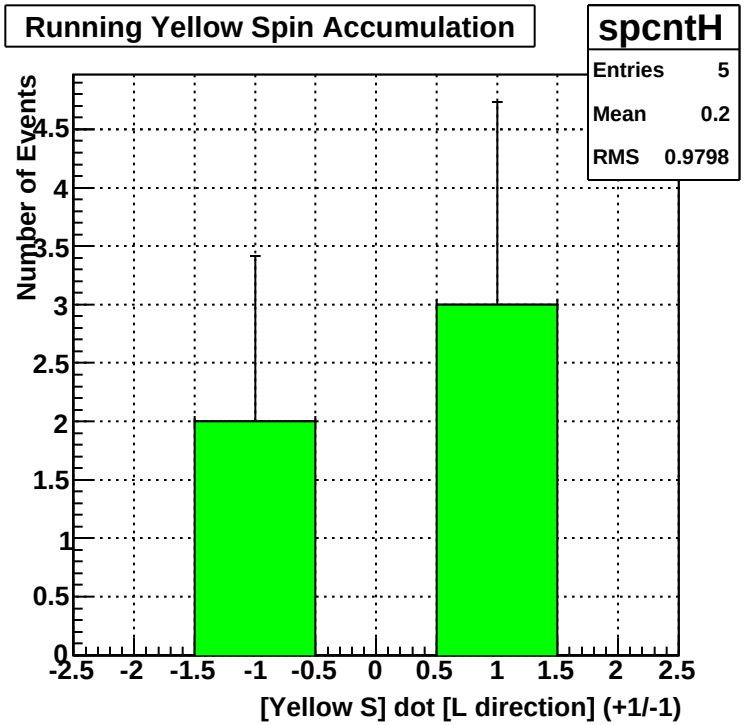
5) Rnum=7117063 EventN=1402896 (1 Yu-N[+])

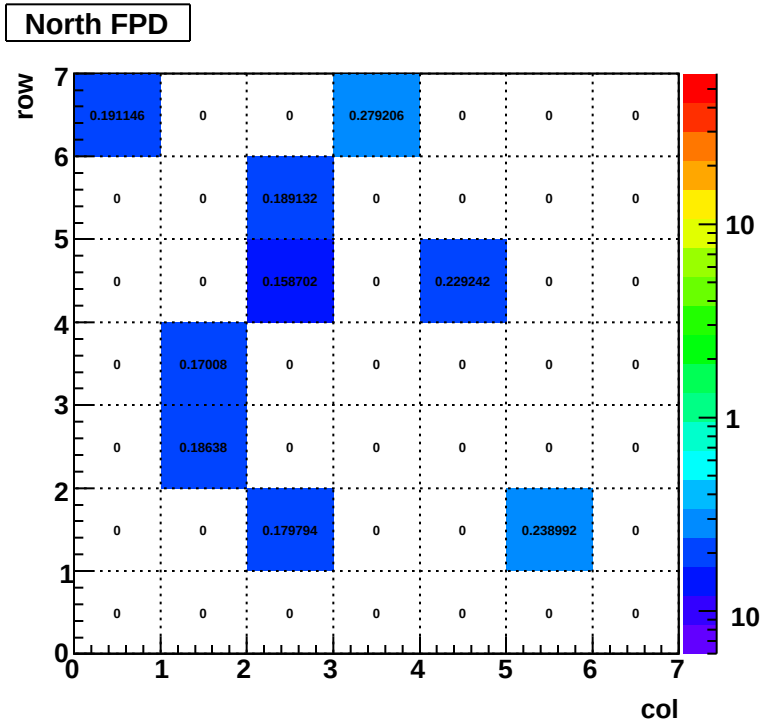
(1) Energy=45.177025 Y=-3.785529 Phi=-0.162232

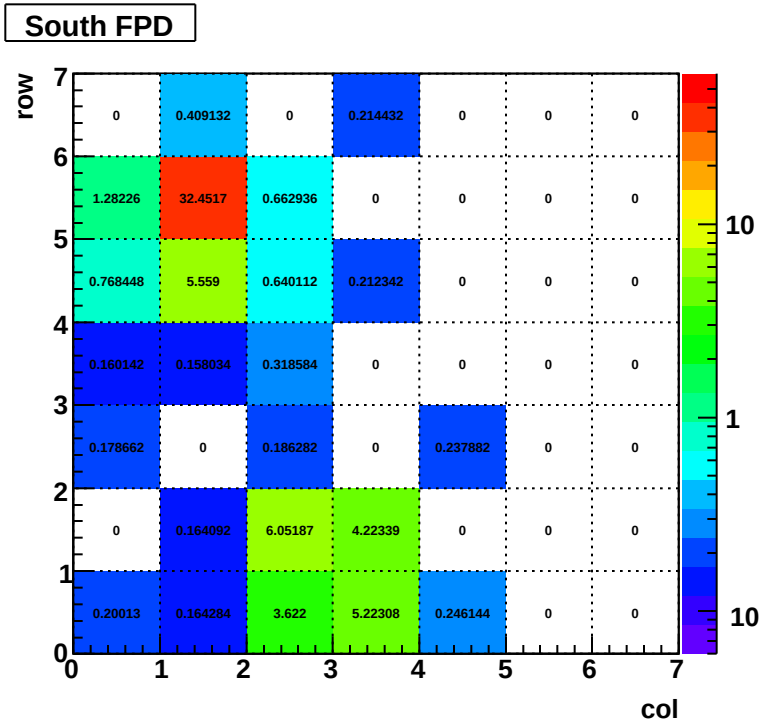
(2) Energy=19.690302 Y=-3.622731 Phi=0.233840

M12=0.625 Y12=-3.751 Phi12=-0.029 E12=64.867

SumN(-) = 2 SumN(+)= 3 AN/.6=0.333







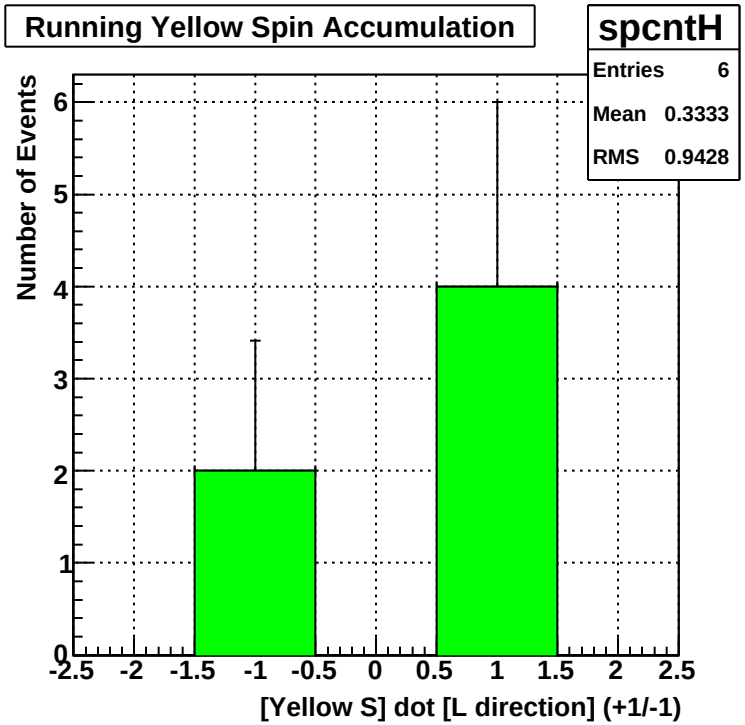
6) Rnum=7117064 EventN=109479 (2 Yd-S[+])

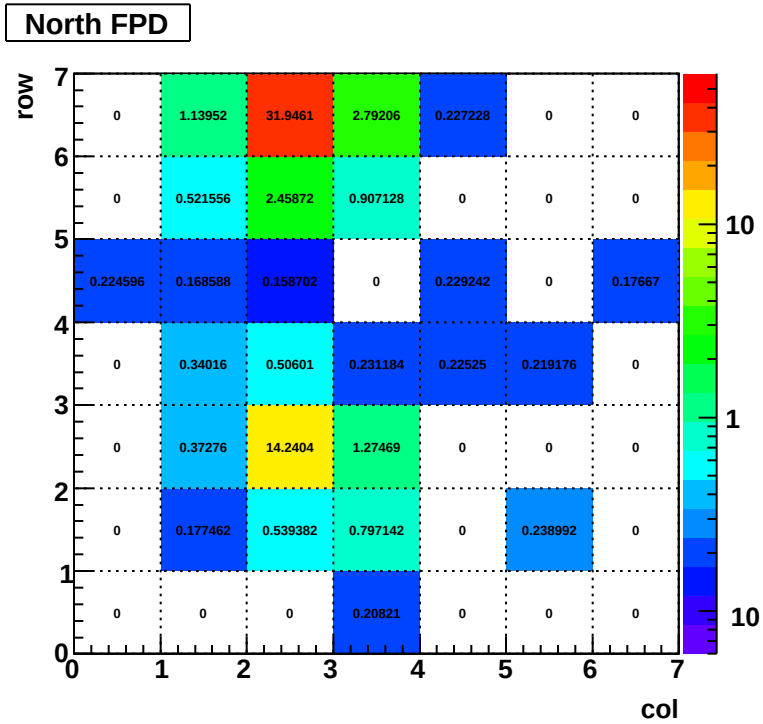
(1) Energy=42.373425 Y=-3.652420 Phi=-2.893218

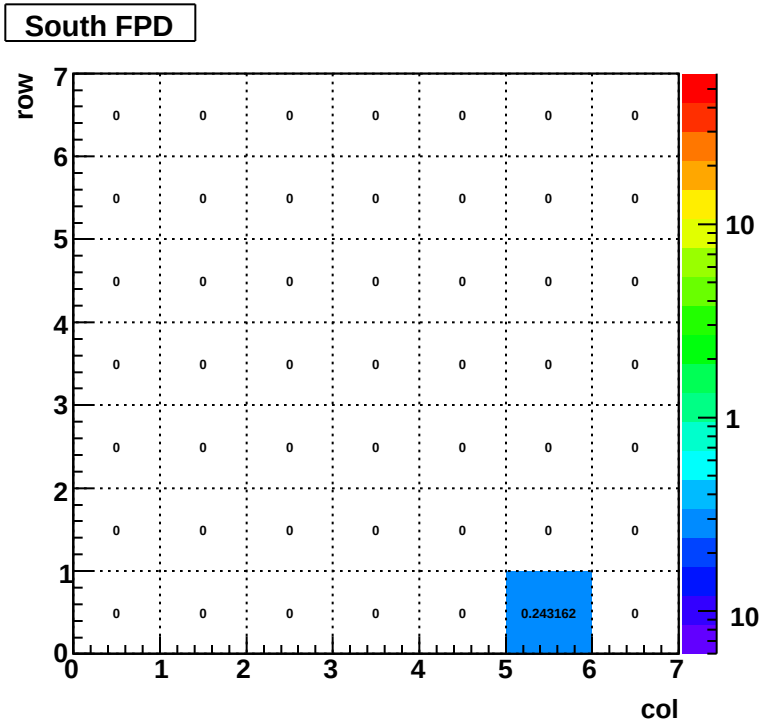
(2) Energy=18.965872 Y=-3.673211 Phi=3.032443

M12=0.518 Y12=-3.672 Phi12=-3.002 E12=61.339

SumN(-) = 2 SumN(+)= 4 AN/.6=0.556







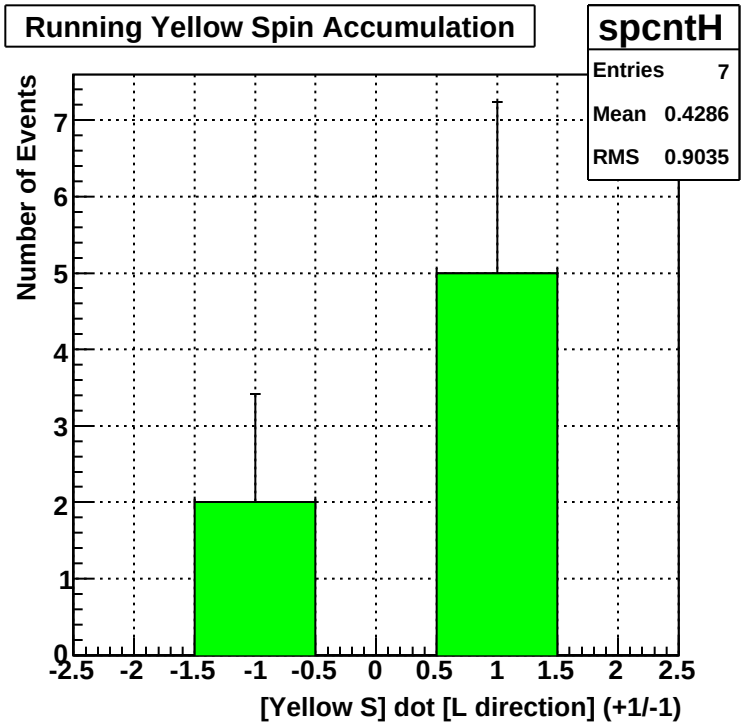
7) Rnum=7117064 EventN=1802177 (3 Yu-N[+])

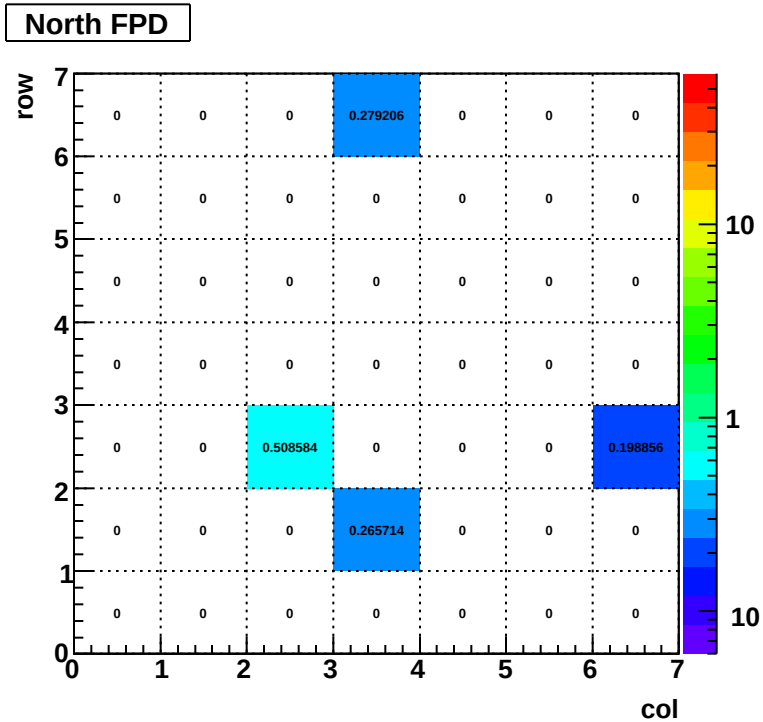
(1) Energy=37.481743 Y=-3.699625 Phi=0.054142

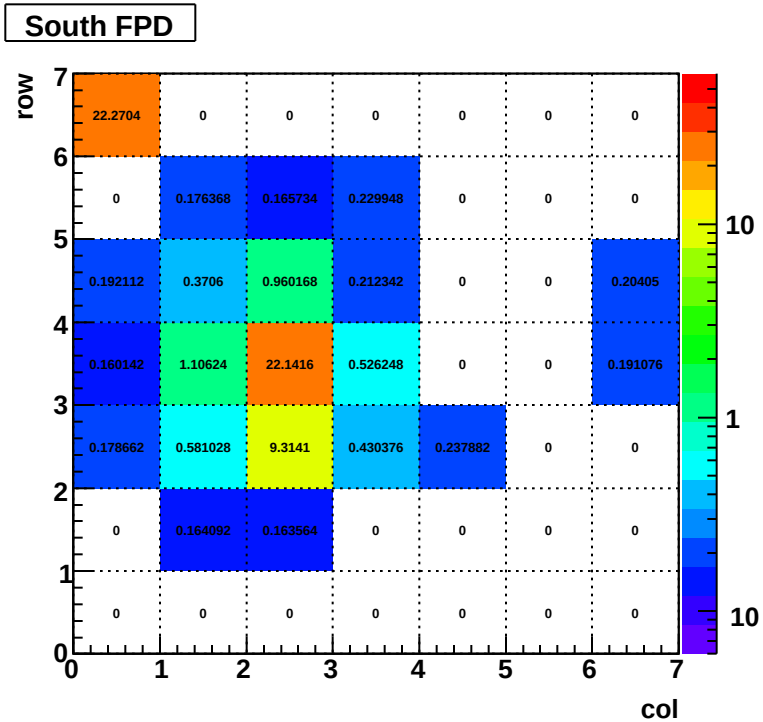
(2) Energy=25.083851 Y=-3.852282 Phi=-0.321659

M12=0.567 Y12=-3.774 Phi12=-0.082 E12=62.566

SumN(-) = 2 SumN(+)= 5 AN/.6=0.714







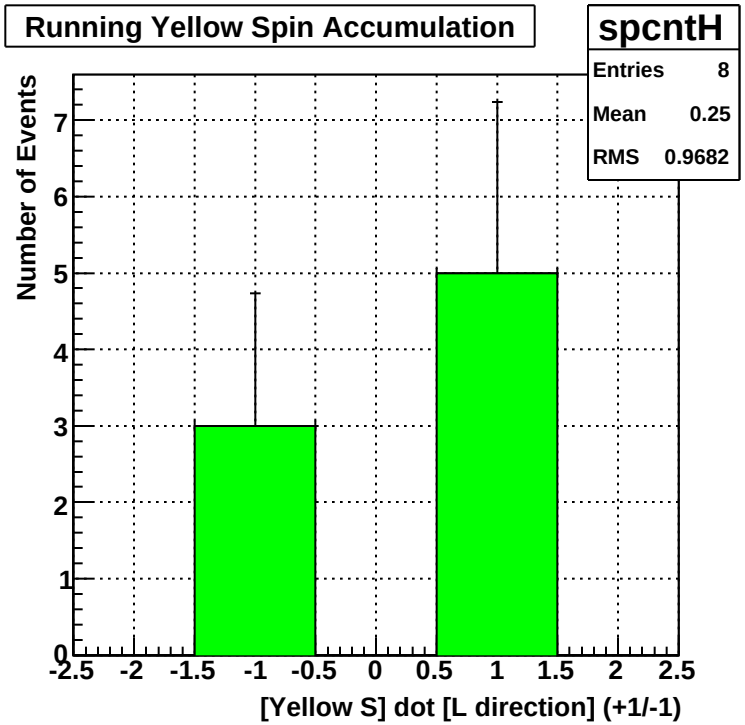
8) Rnum=7117064 EventN=1802982 (0 Yd-N[-])

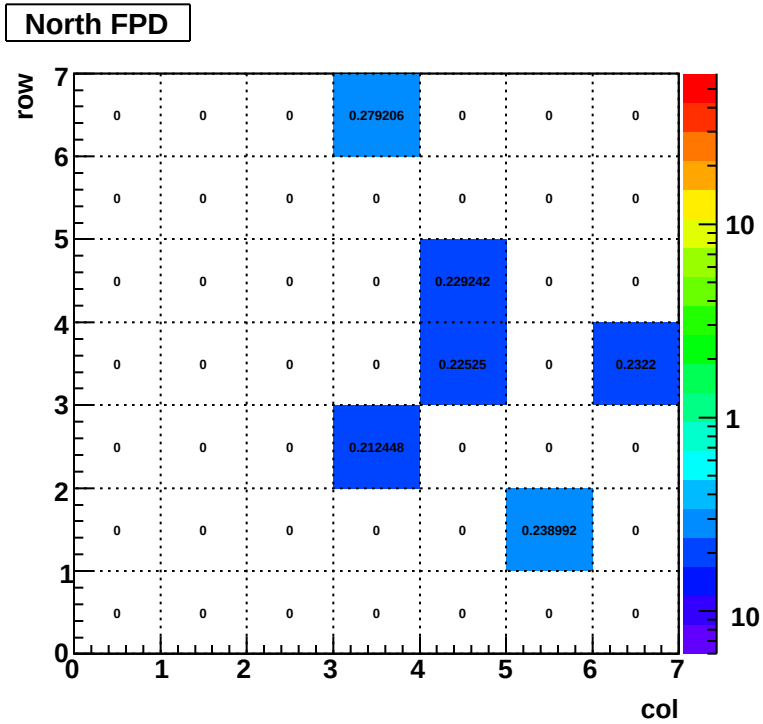
(1) Energy=50.194588 Y=-3.787741 Phi=-0.091303

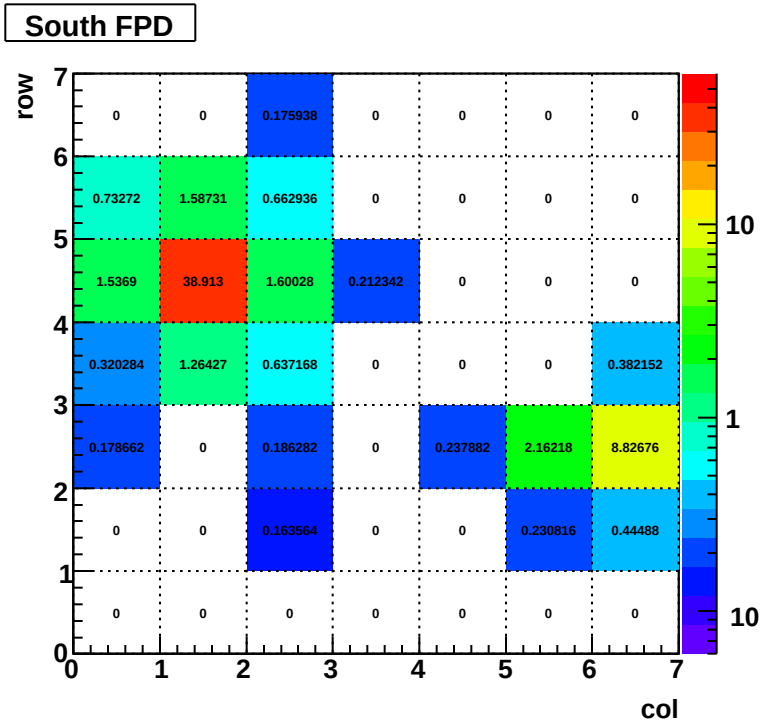
(2) Energy=12.822750 Y=-3.395097 Phi=0.084529

M12=0.604 Y12=-3.697 Phi12=-0.043 E12=63.017

SumN(-) = 3 SumN(+)= 5 AN/.6=0.417







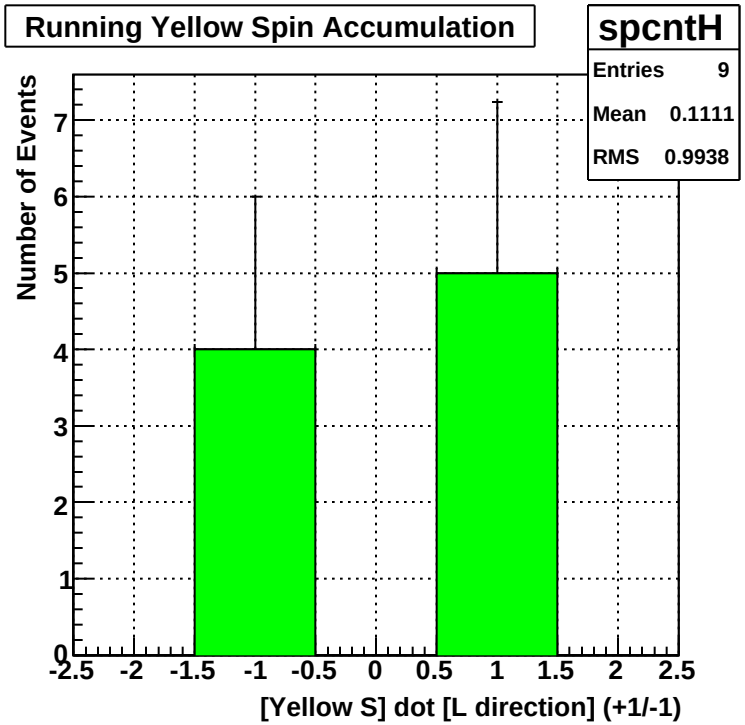
9) Rnum=7118002 EventN=5003032 (3 Yu-S[-])

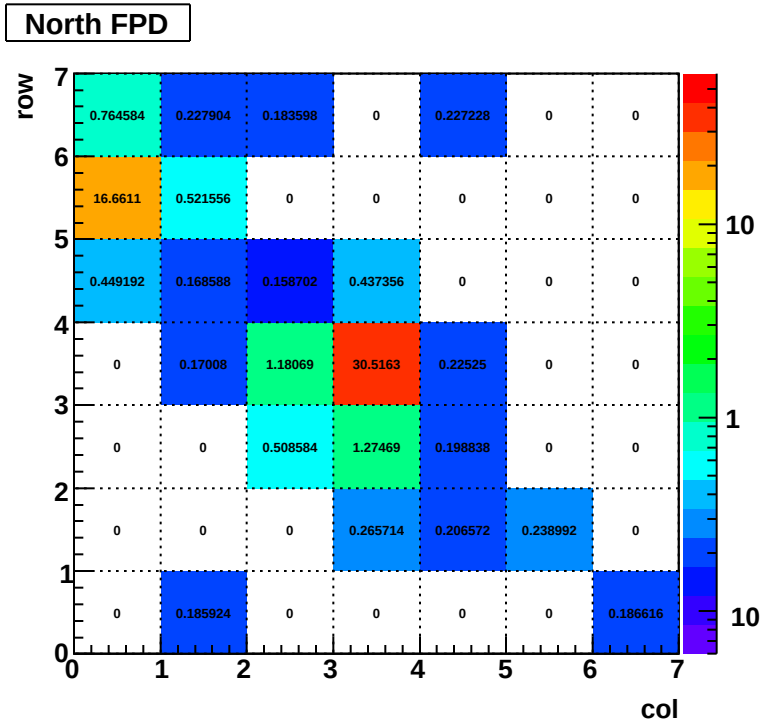
(1) Energy=37.897400 Y=-3.613043 Phi=3.121496

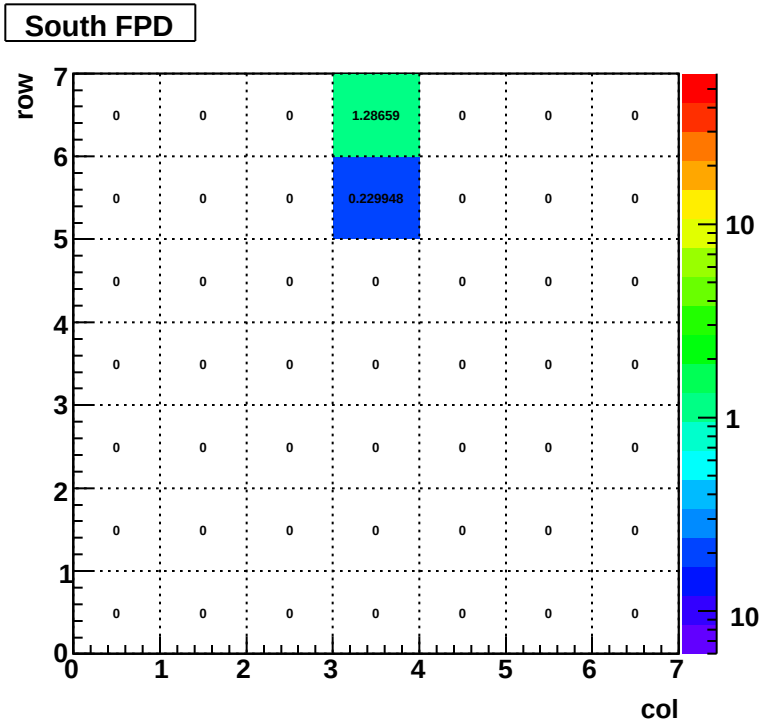
(2) Energy=22.899929 Y=-3.897319 Phi=-2.918163

M12=0.516 Y12=-3.717 Phi12=-3.086 E12=60.797

SumN(-) = 4 SumN(+)= 5 AN/.6=0.185







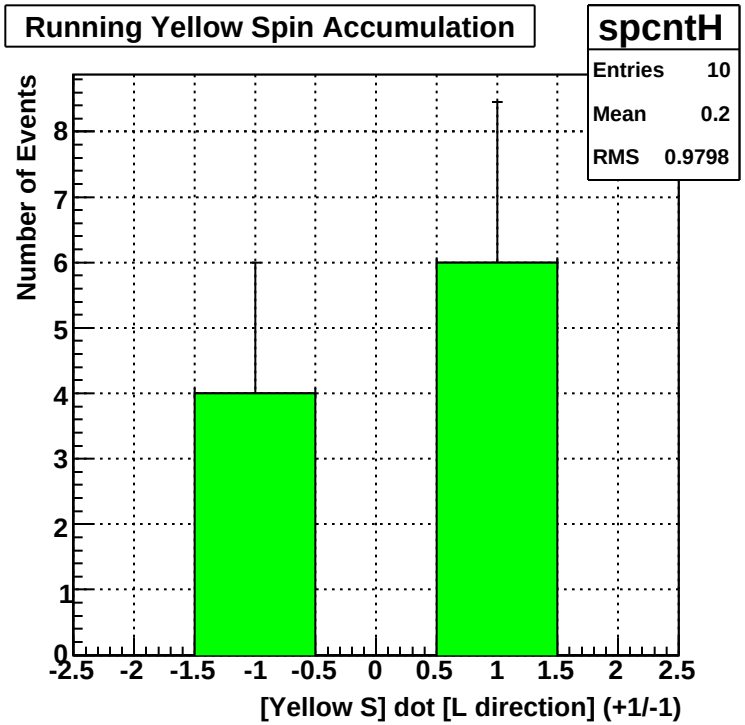
10) Rnum=7118003 EventN=7106467 (3 Yu-N[+])

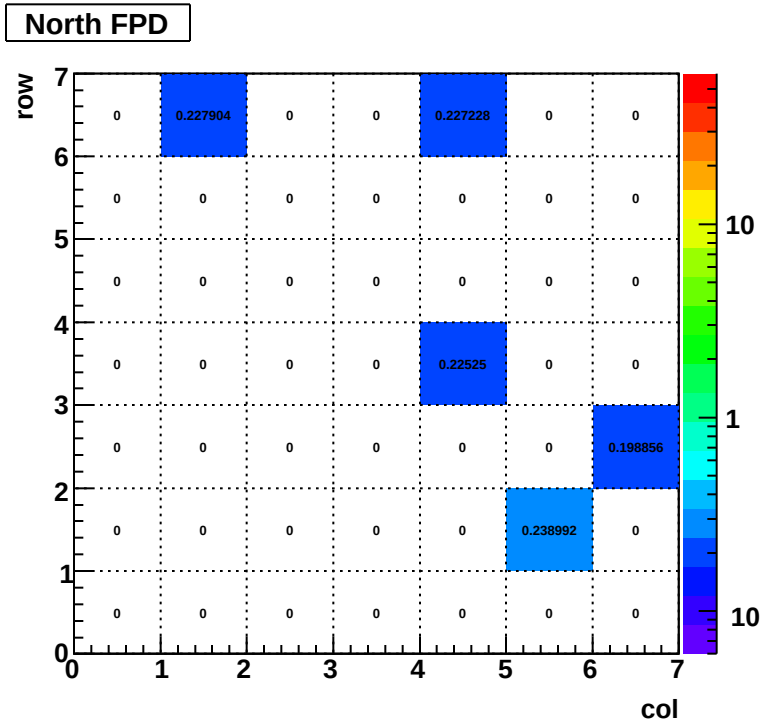
(1) Energy=46.142025 Y=-3.529483 Phi=0.053863

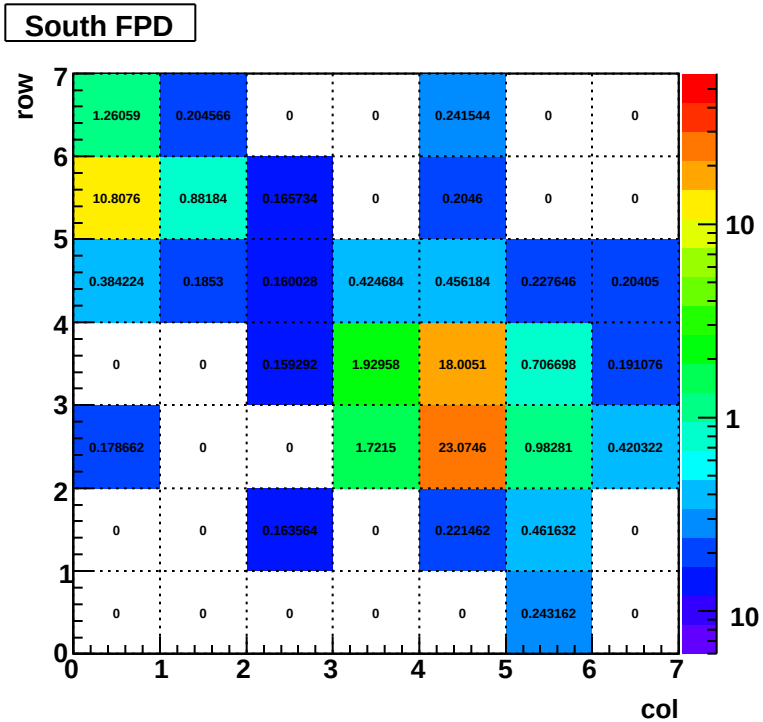
(2) Energy=14.644198 Y=-3.861176 Phi=-0.233095

M12=0.567 Y12=-3.606 Phi12=0.001 E12=60.786

SumN(-) = 4 SumN(+)= 6 AN/.6=0.333







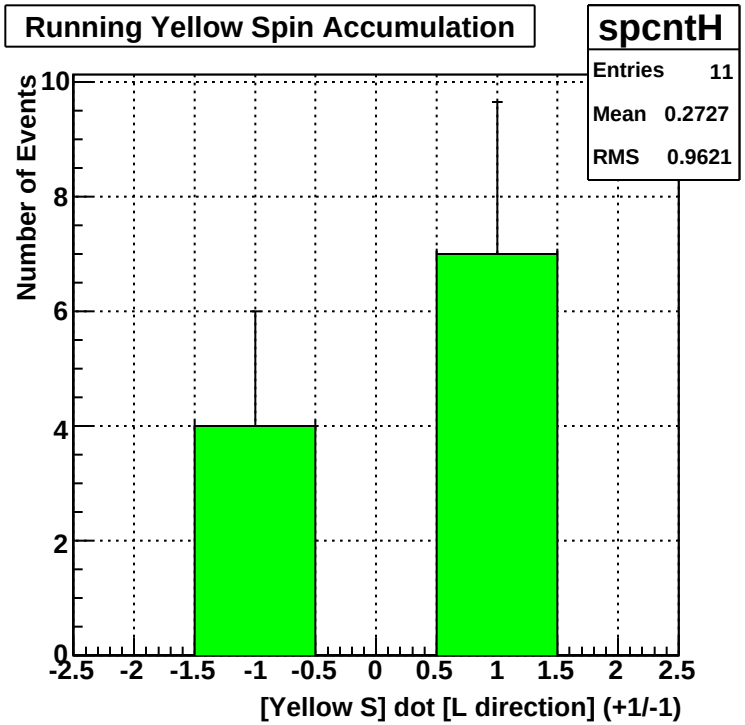
11) Rnum=7118003 EventN=7206541 (0 Yd-S[+])

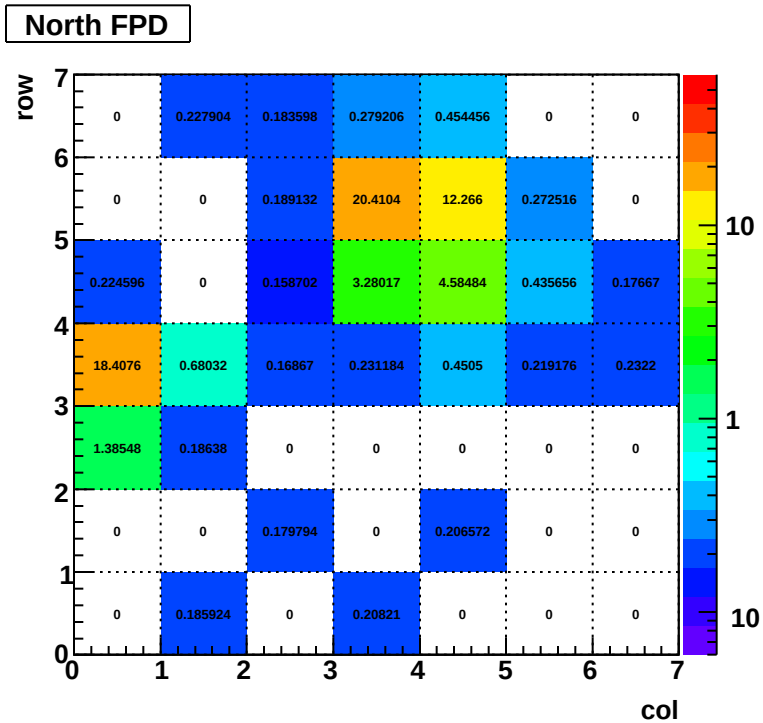
(1) Energy=43.173752 Y=-3.557051 Phi=-3.014802

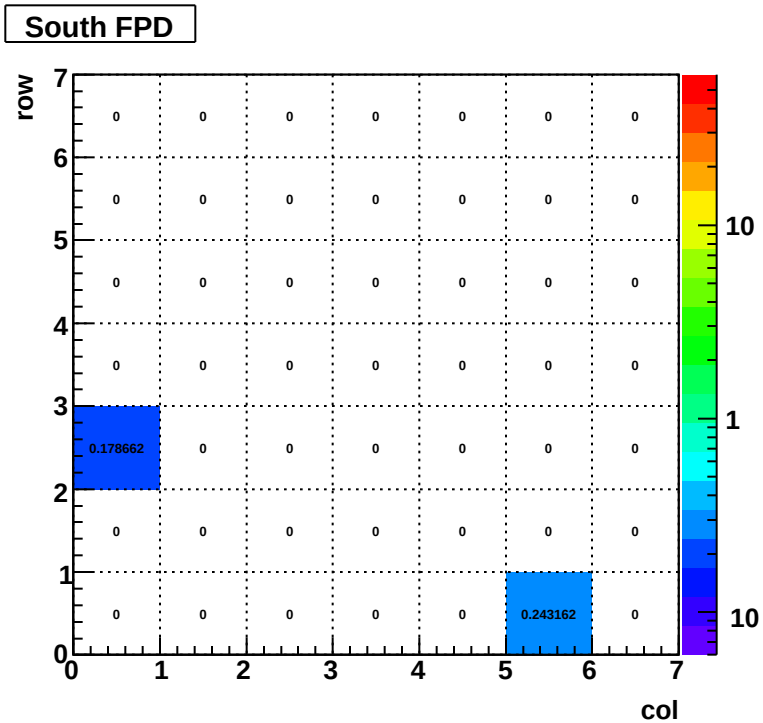
(2) Energy=24.978153 Y=-3.918730 Phi=3.106631

M12=0.622 Y12=-3.678 Phi12=-3.061 E12=68.152

SumN(-) = 4 SumN(+)= 7 AN/.6=0.455







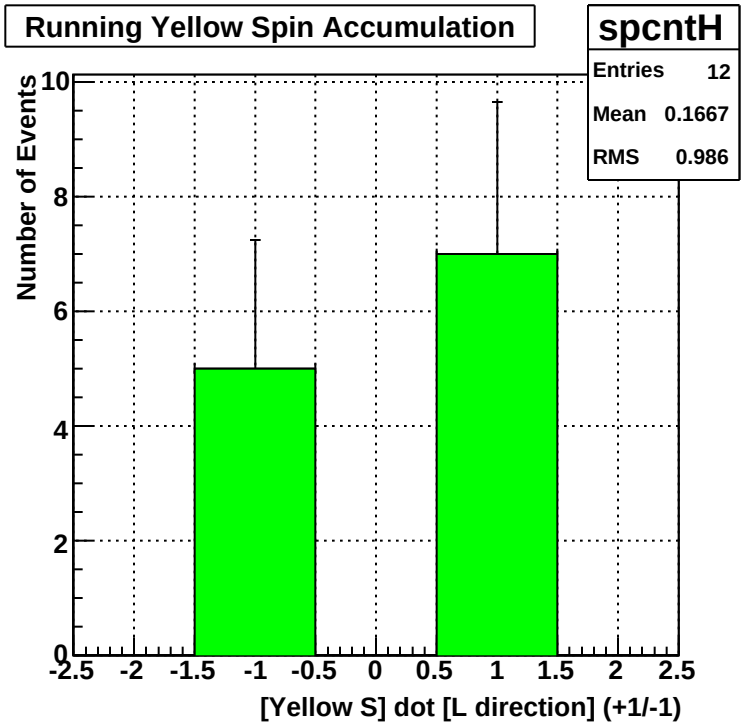
12) Rnum=7118009 EventN=3006573 (2 Yd-N[-])

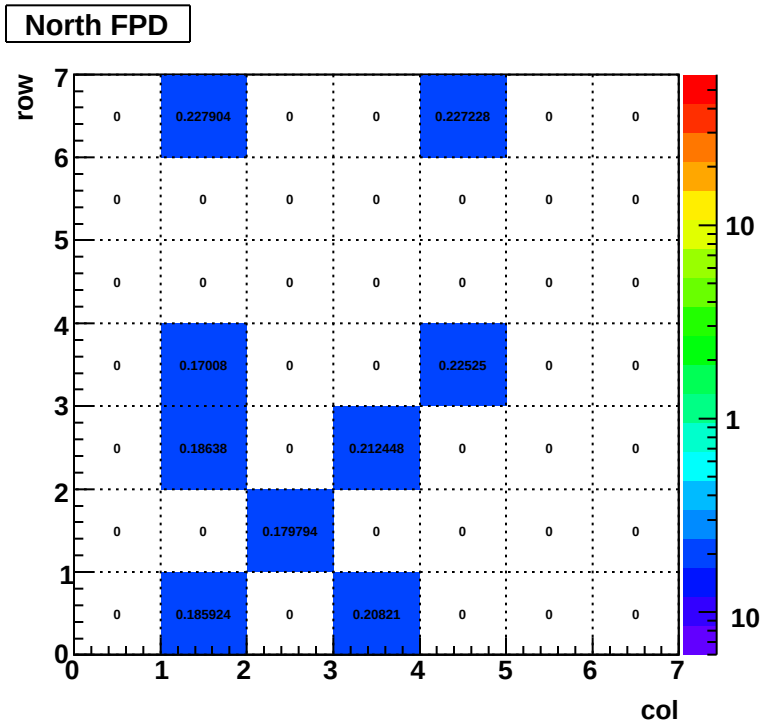
(1) Energy=26.871241 Y=-3.779771 Phi=-0.080998

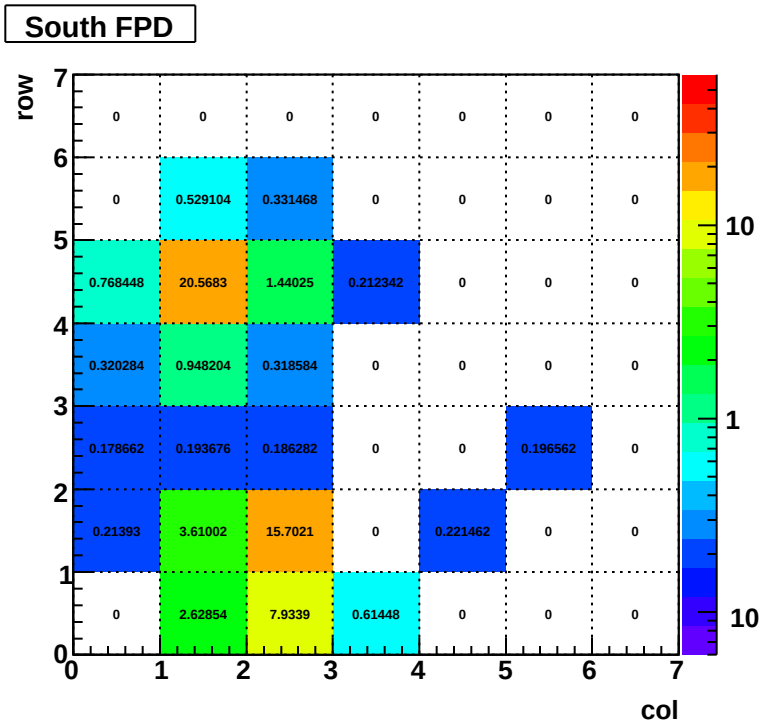
(2) Energy=33.148708 Y=-3.697331 Phi=0.249500

M12=0.482 Y12=-3.747 Phi12=0.108 E12=60.020

SumN(-) = 5 SumN(+)= 7 AN/.6=0.278







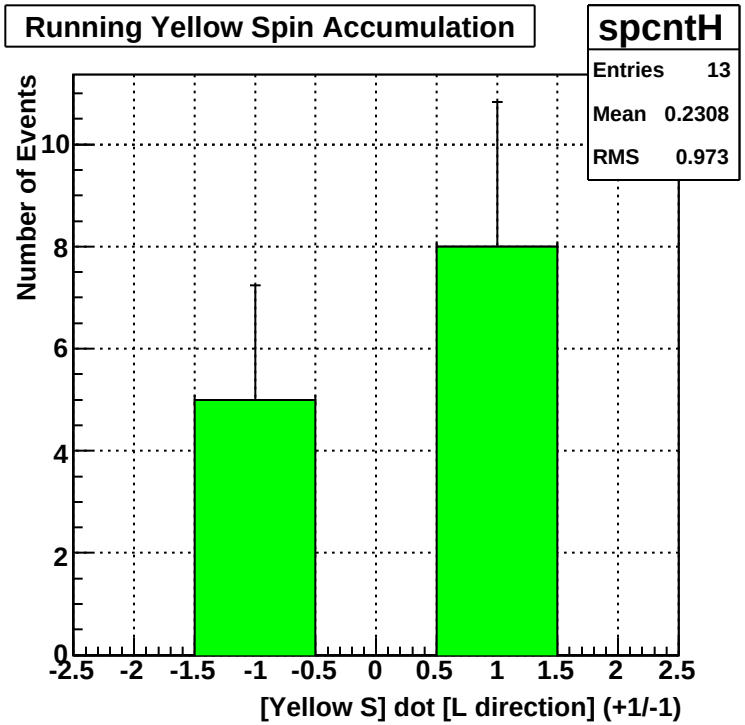
13) Rnum=7118016 EventN=2706555 (0 Yd-S[+])

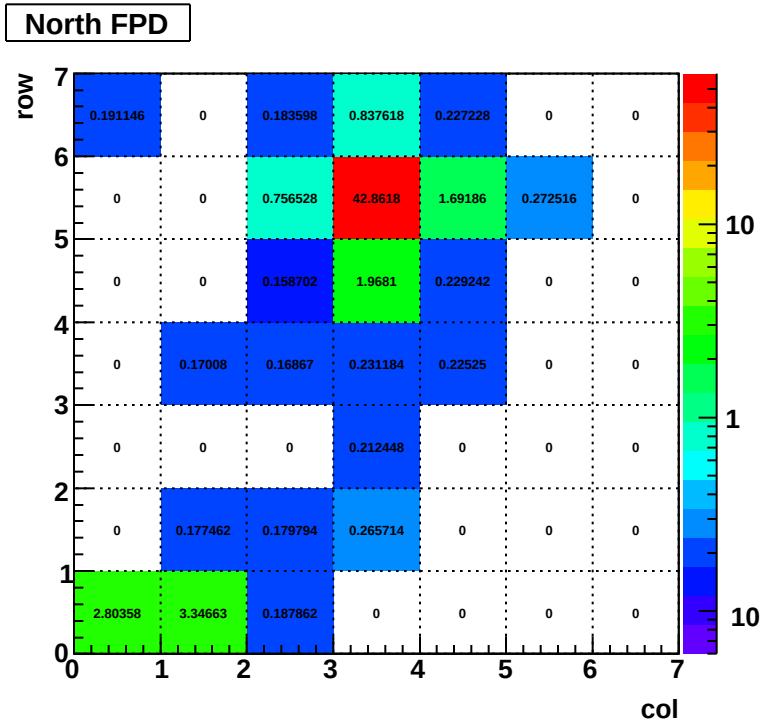
(1) Energy=53.231674 Y=-3.587832 Phi=-2.989030

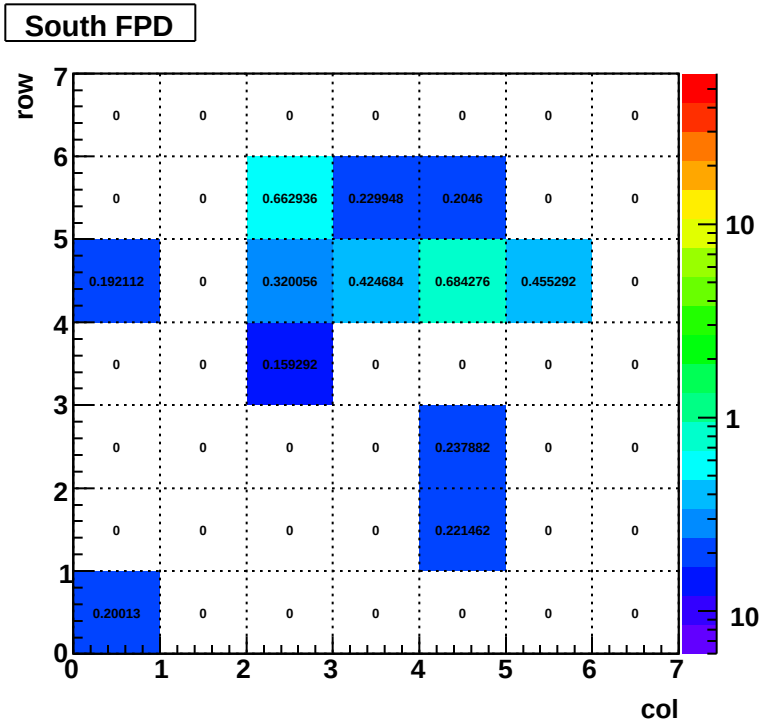
(2) Energy=7.453807 Y=-3.789797 Phi=2.807765

M12=0.520 Y12=-3.621 Phi12=-3.038 E12=60.685

SumN(-) = 5 SumN(+)= 8 AN/.6=0.385







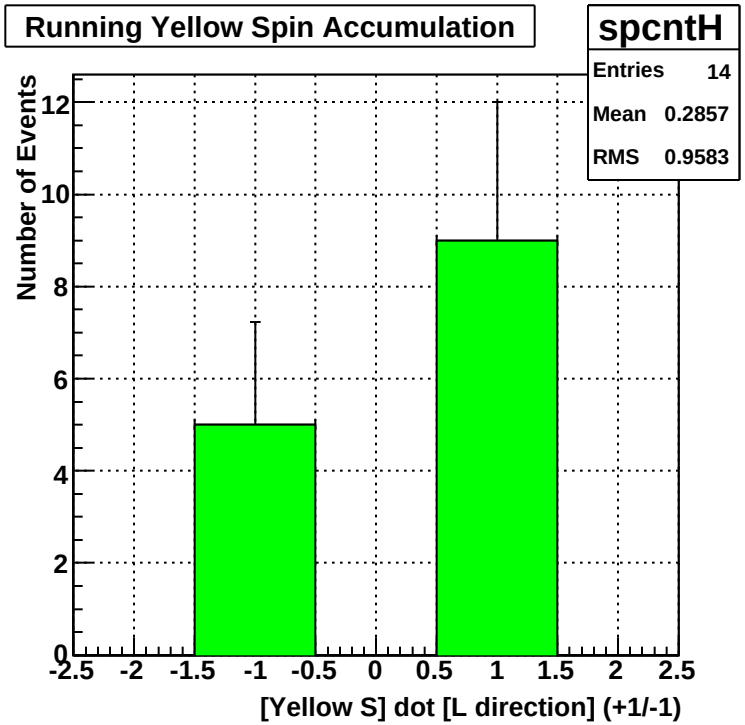
14) Rnum=7118018 EventN=204651 (0 Yd-S[+])

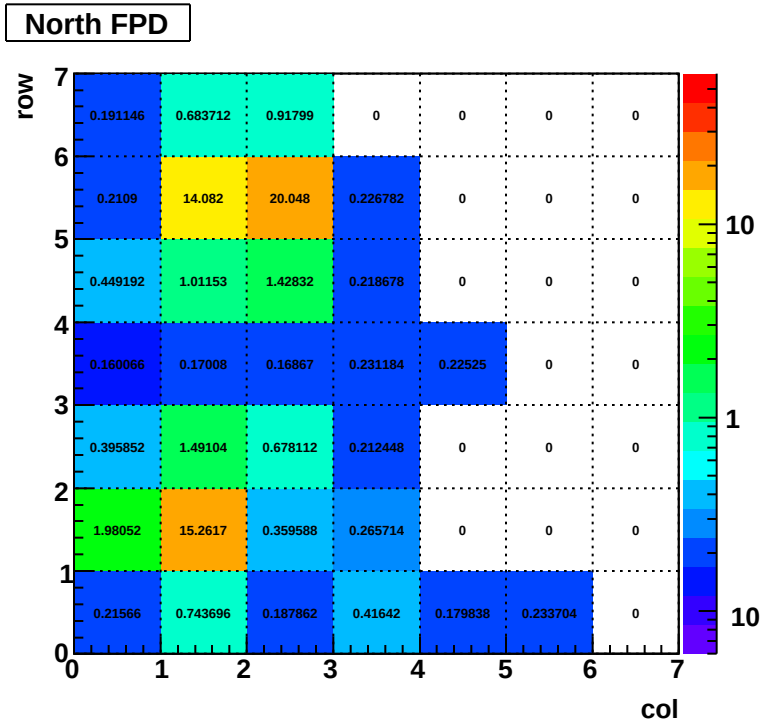
(1) Energy=39.561611 Y=-3.724933 Phi=-2.967651

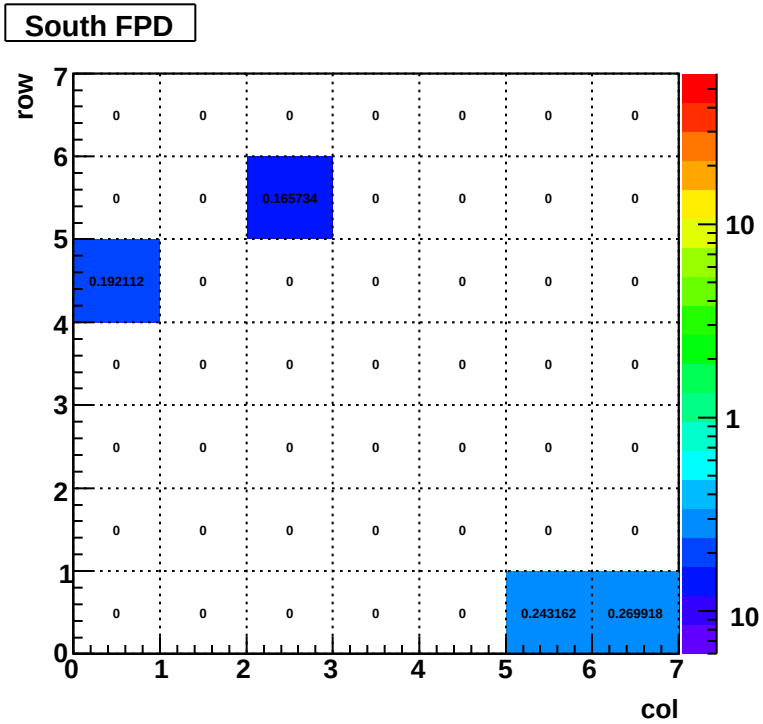
(2) Energy=21.597488 Y=-3.797108 Phi=2.932177

M12=0.527 Y12=-3.766 Phi12=-3.096 E12=61.159

SumN(-) = 5 SumN(+)= 9 AN/.6=0.476







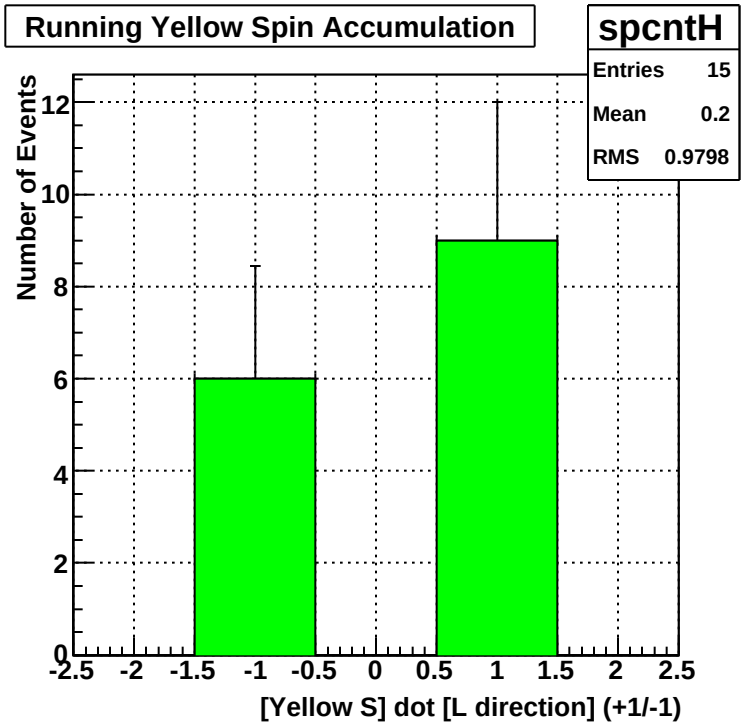
15) Rnum=7118024 EventN=5909457 (2 Yd-N[-])

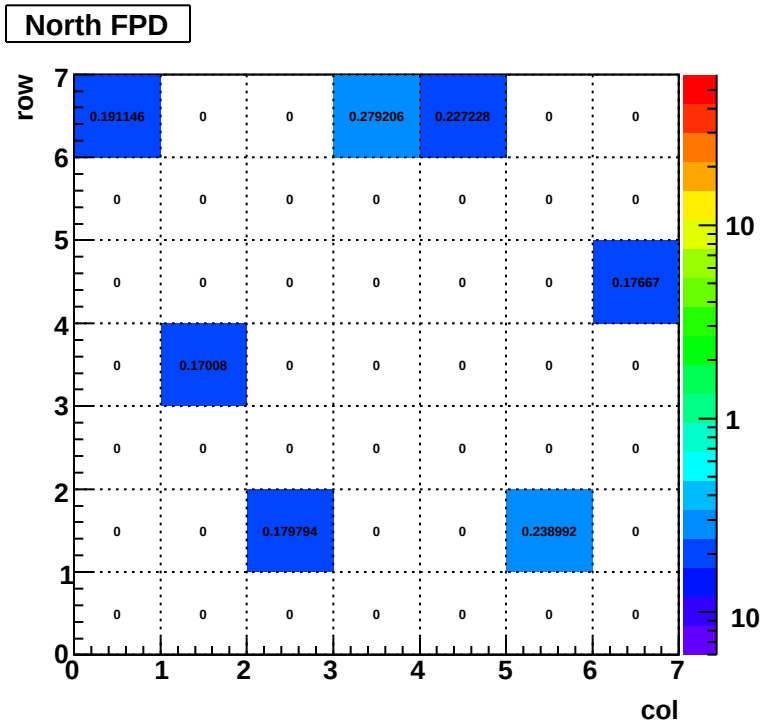
(1) Energy=32.138981 Y=-3.488252 Phi=0.009052

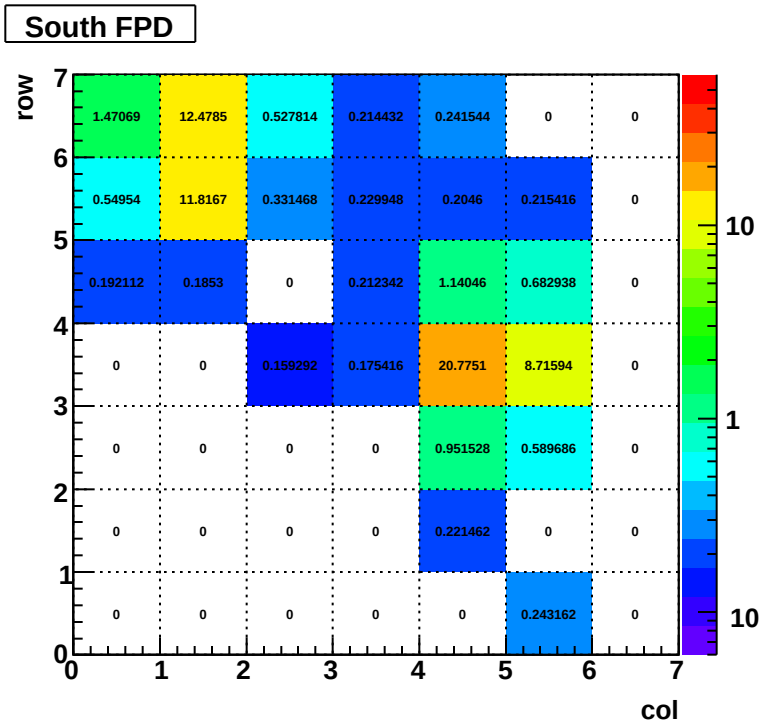
(2) Energy=28.750126 Y=-3.774854 Phi=-0.244132

M12=0.616 Y12=-3.621 Phi12=-0.093 E12=60.889

SumN(-) = 6 SumN(+)= 9 AN/.6=0.333







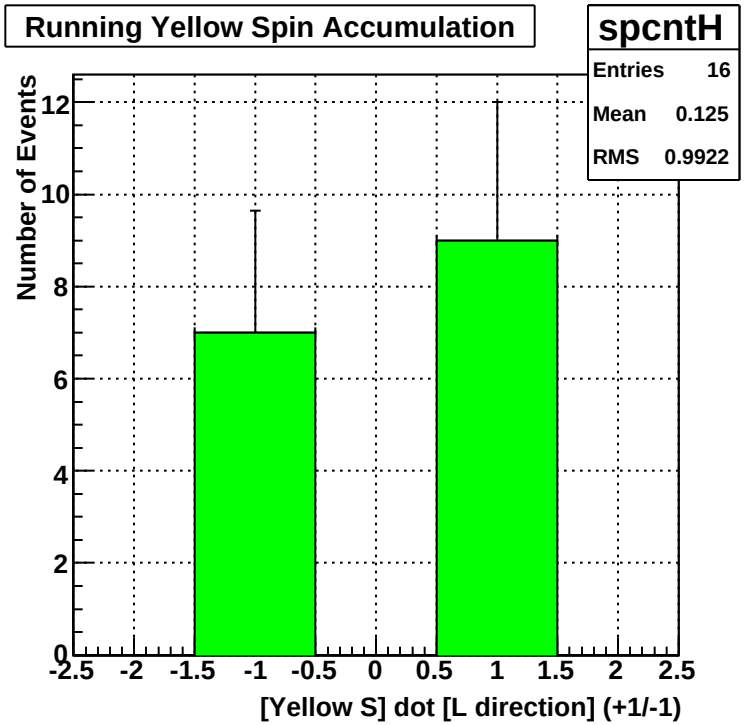
16) Rnum=7118024 EventN=2206581 (1 Yu-S[-])

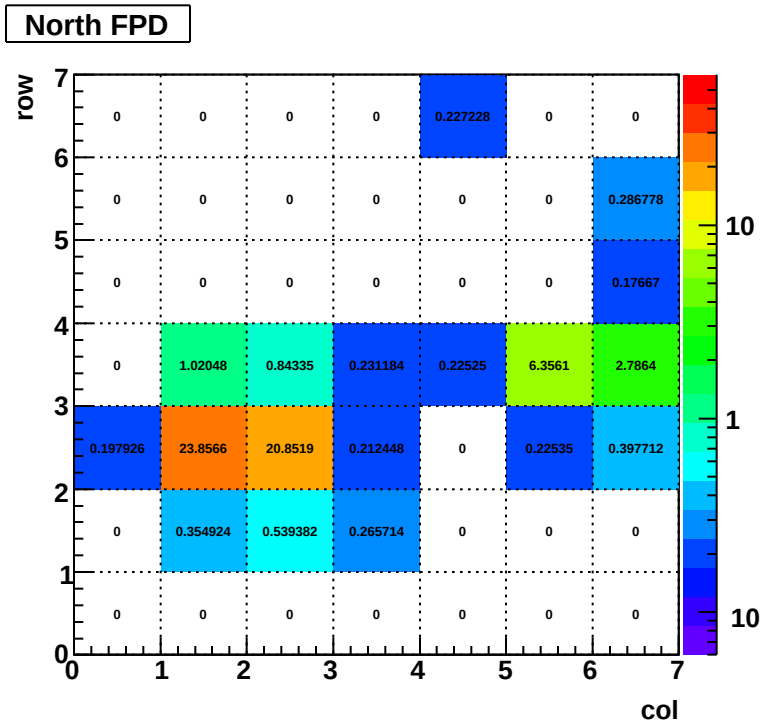
(1) Energy=50.942368 Y=-3.738370 Phi=3.032446

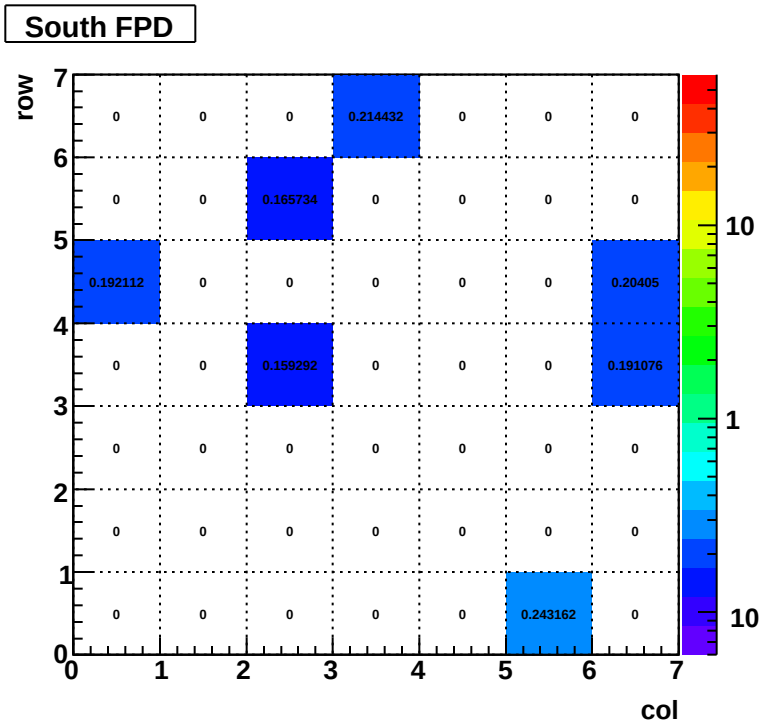
(2) Energy=11.084776 Y=-3.413723 Phi=3.128611

M12=0.452 Y12=-3.673 Phi12=3.055 E12=62.027

SumN(-) = 7 SumN(+)= 9 AN/.6=0.208







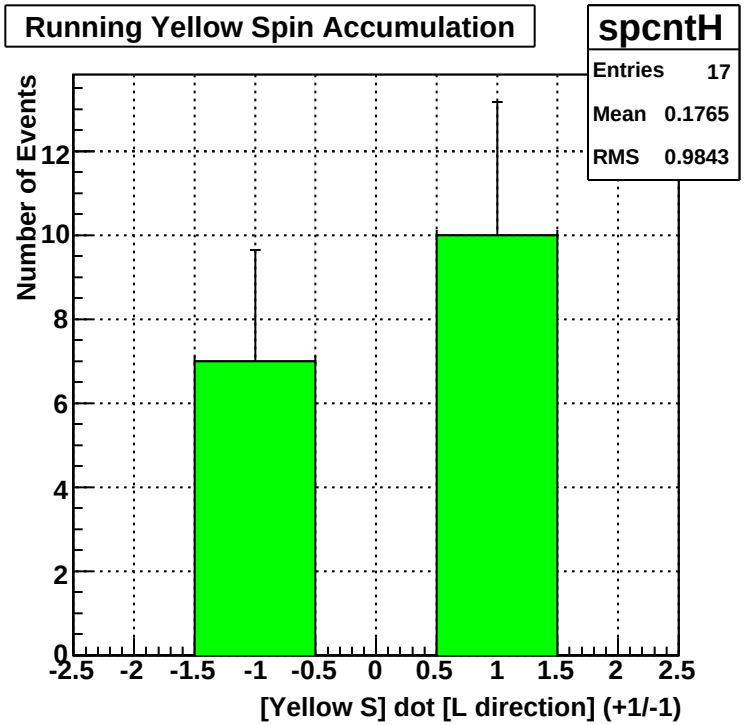
17) Rnum=7118025 EventN=4305305 (2 Yd-S[+])

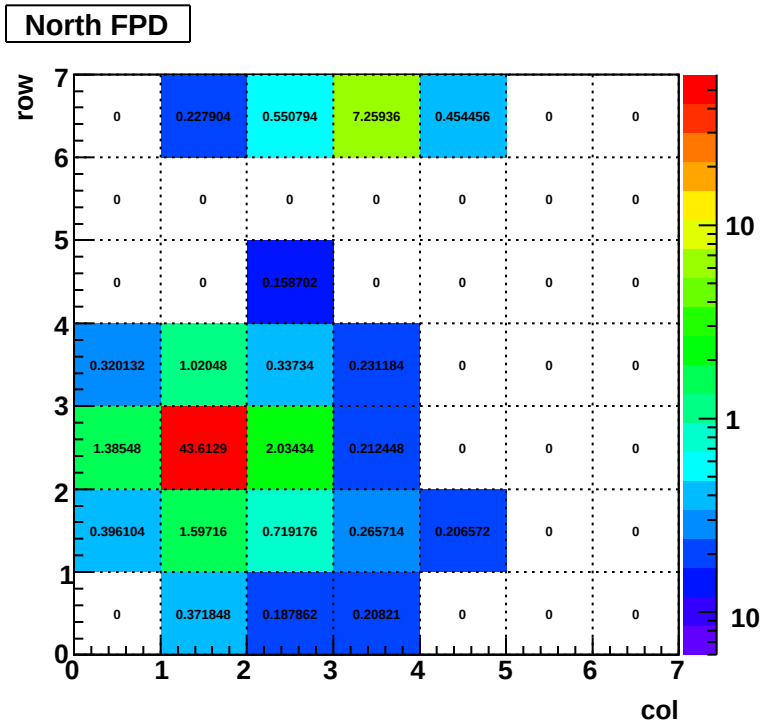
(1) Energy=54.955669 Y=-3.781253 Phi=3.016647

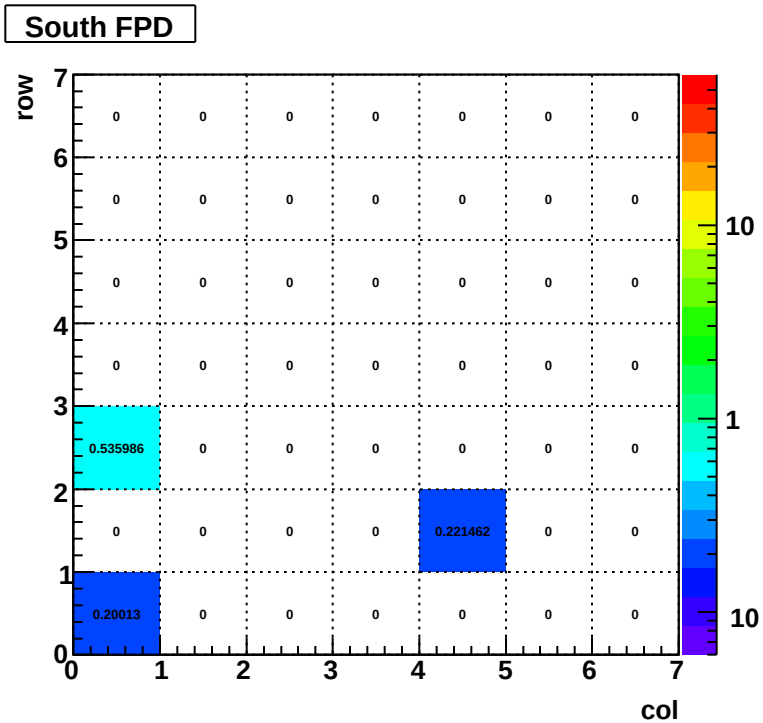
(2) Energy=8.558441 Y=-3.587661 Phi=-2.896588

M12=0.452 Y12=-3.762 Phi12=3.075 E12=63.514

SumN(-) = 7 SumN(+)= 10 AN/.6=0.294







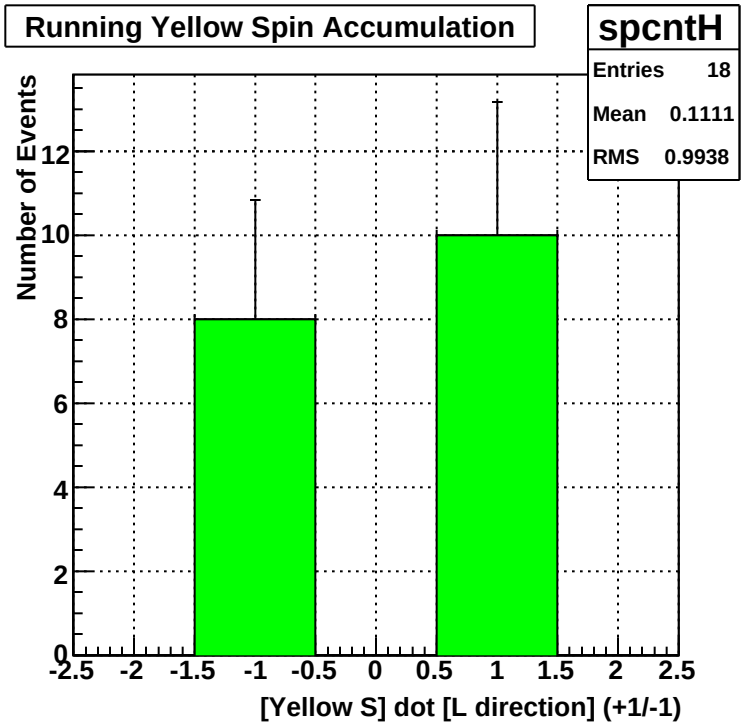
18) Rnum=7118025 EventN=2603761 (1 Yu-S[-])

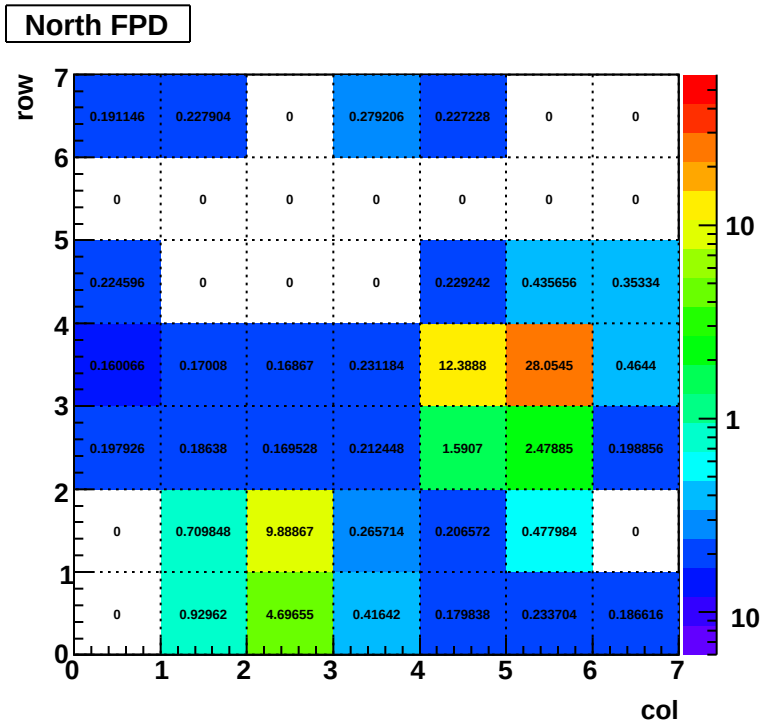
(1) Energy=47.981419 Y=-3.476830 Phi=3.117089

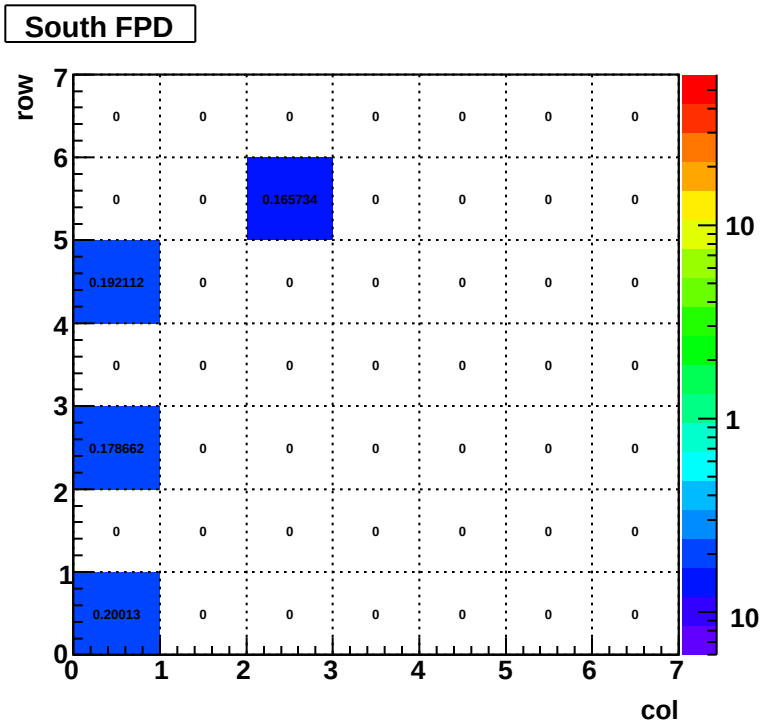
(2) Energy=18.342583 Y=-3.679653 Phi=2.897525

M12=0.494 Y12=-3.533 Phi12=3.065 E12=66.324

SumN(-) = 8 SumN(+)= 10 AN/.6=0.185







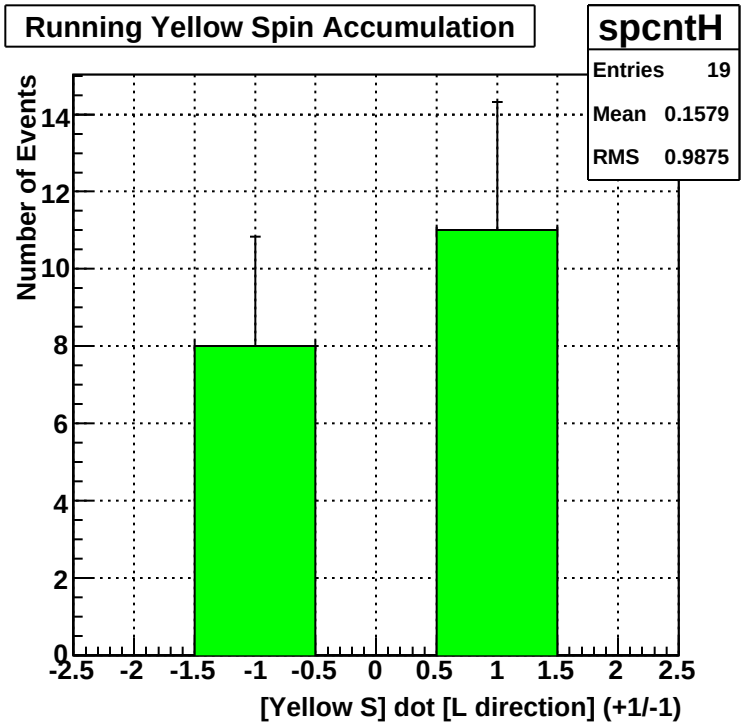
19) Rnum=7118027 EventN=1107648 (3 Yu-N[+])

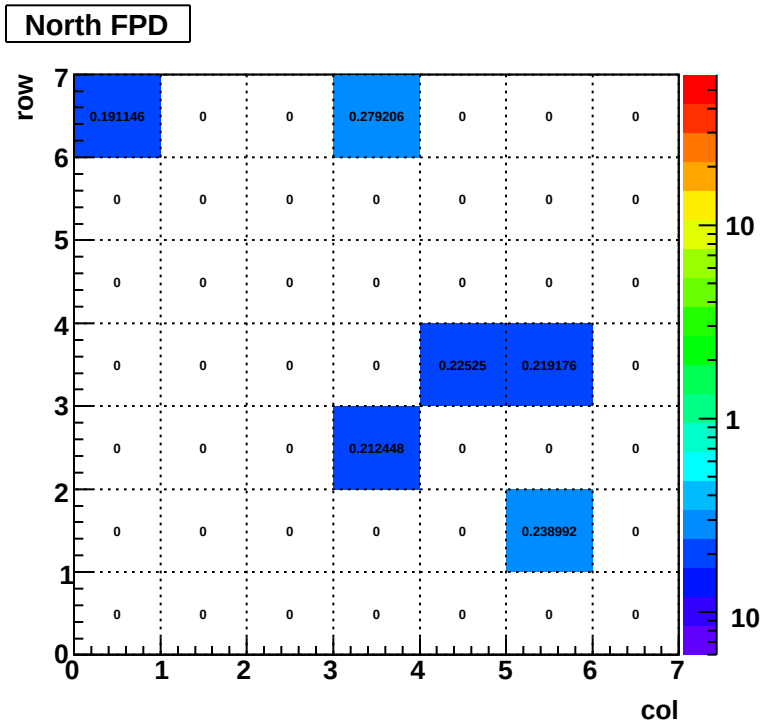
(1) Energy=32.340900 Y=-3.715930 Phi=0.292536

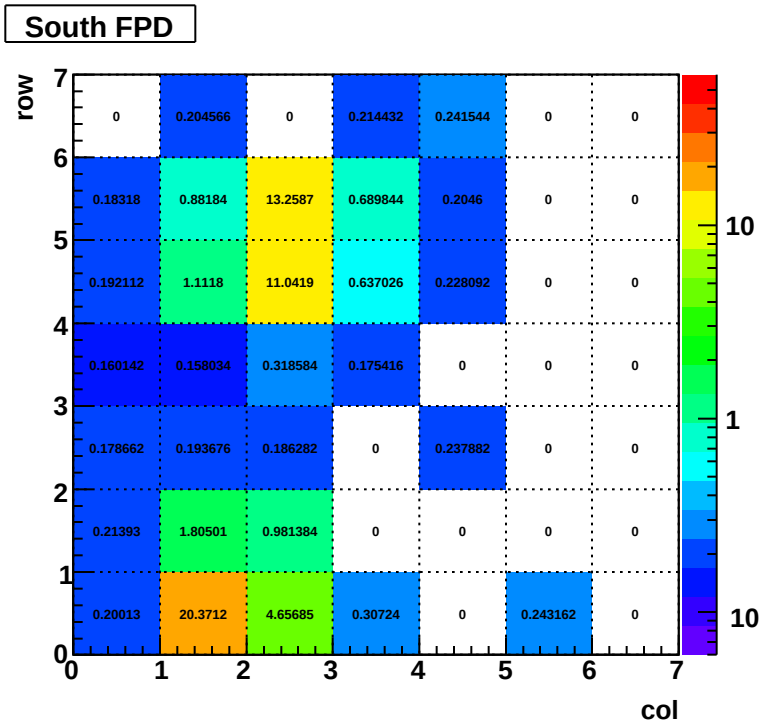
(2) Energy=29.844959 Y=-3.693581 Phi=-0.129577

M12=0.641 Y12=-3.728 Phi12=0.088 E12=62.186

SumN(-) = 8 SumN(+)= 11 AN/.6=0.263







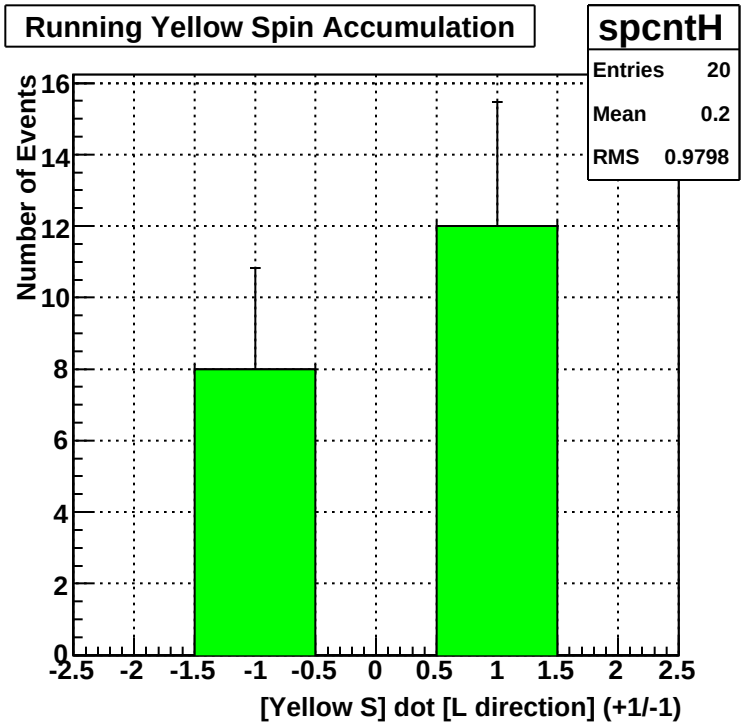
20) Rnum=7118035 EventN=2009482 (3 Yu-N[+])

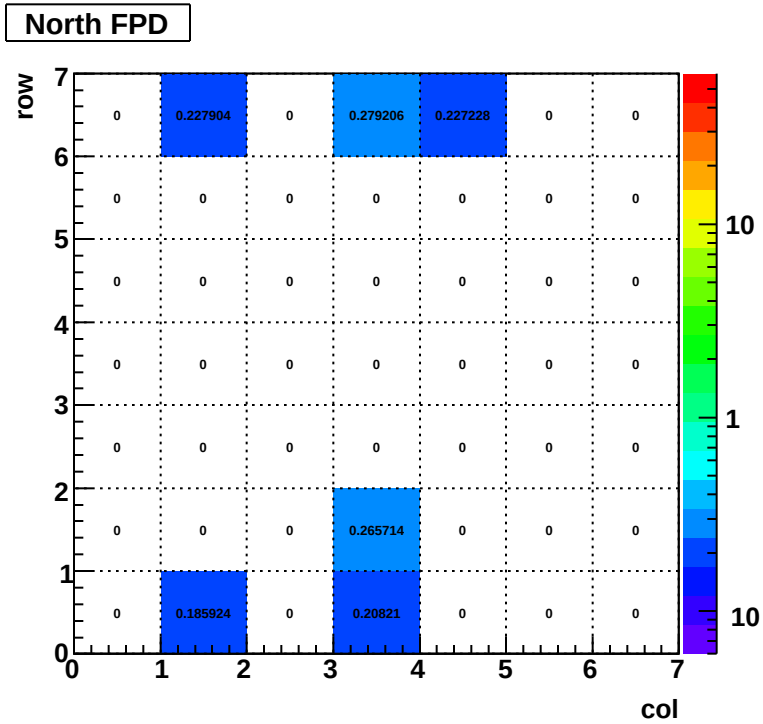
(1) Energy=46.139004 Y=-3.728041 Phi=0.048328

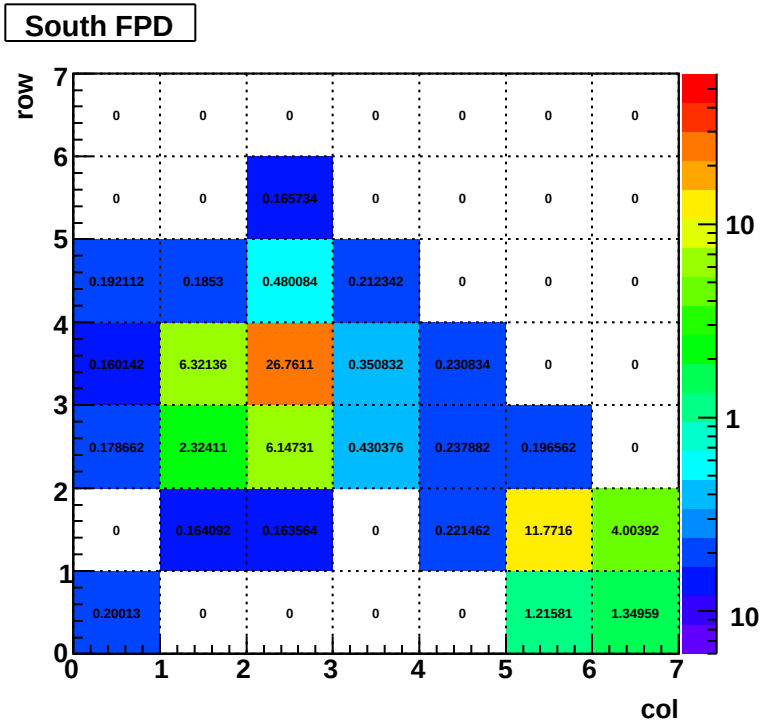
(2) Energy=20.411530 Y=-3.398808 Phi=0.170247

M12=0.613 Y12=-3.617 Phi12=0.095 E12=66.551

SumN(-) = 8 SumN(+)= 12 AN/.6=0.333







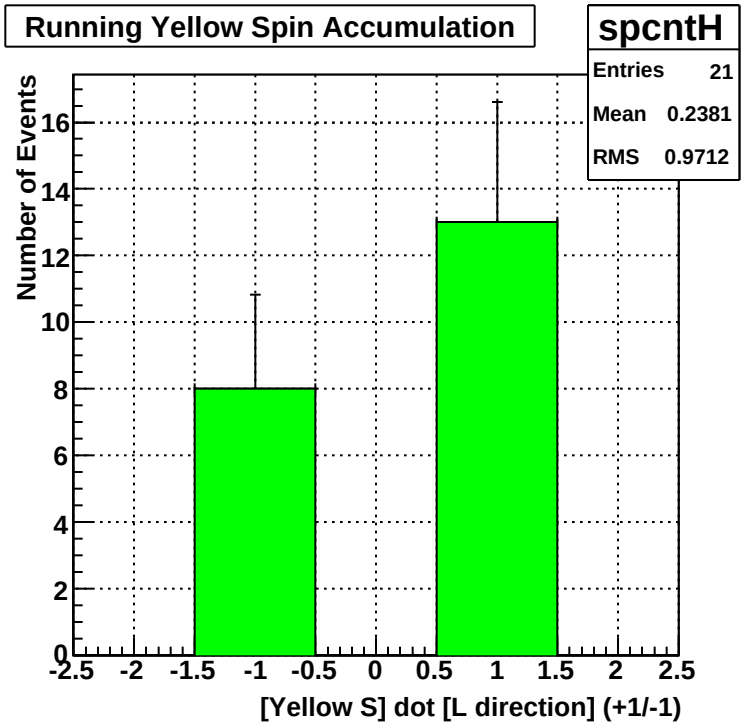
21) Rnum=7118038 EventN=1409547 (3 Yu-N[+])

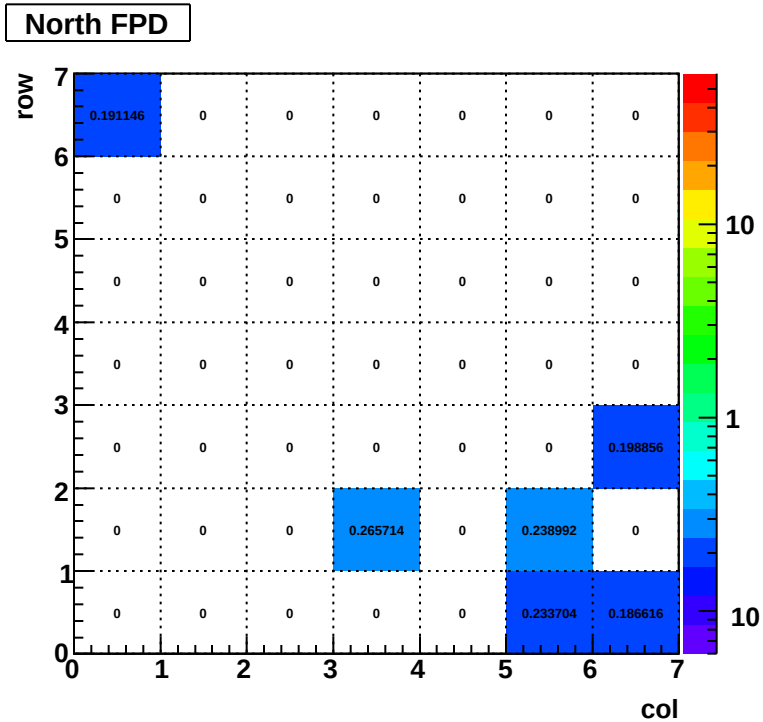
(1) Energy=29.937536 Y=-3.668617 Phi=0.217409

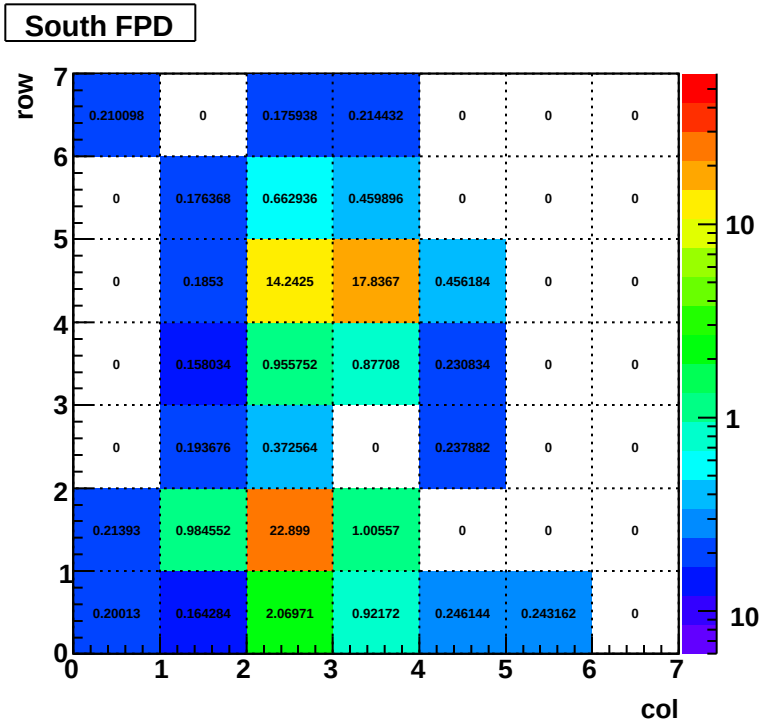
(2) Energy=37.297489 Y=-3.645043 Phi=-0.072022

M12=0.499 Y12=-3.666 Phi12=0.055 E12=67.235

SumN(-) = 8 SumN(+)= 13 AN/.6=0.397







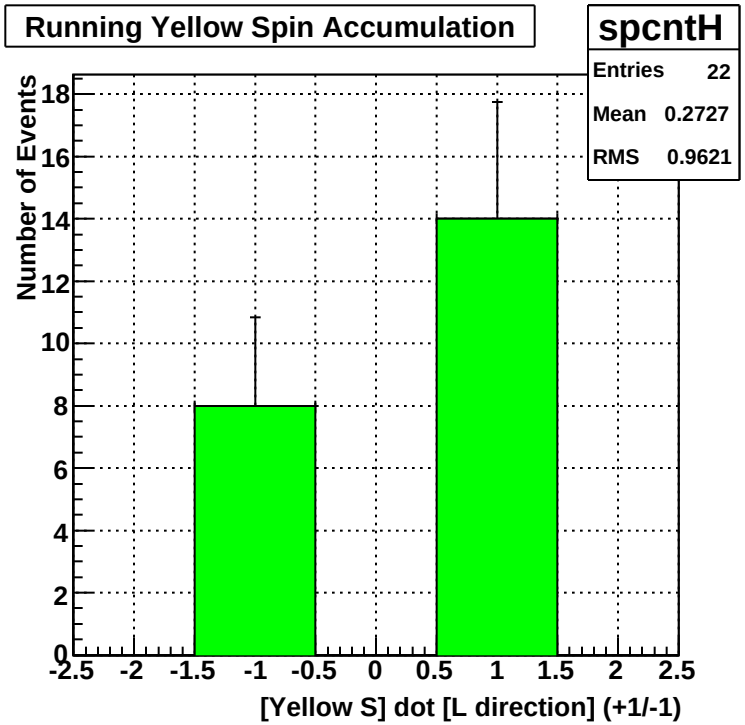
22) Rnum=7118039 EventN=104800 (1 Yu-N[+])

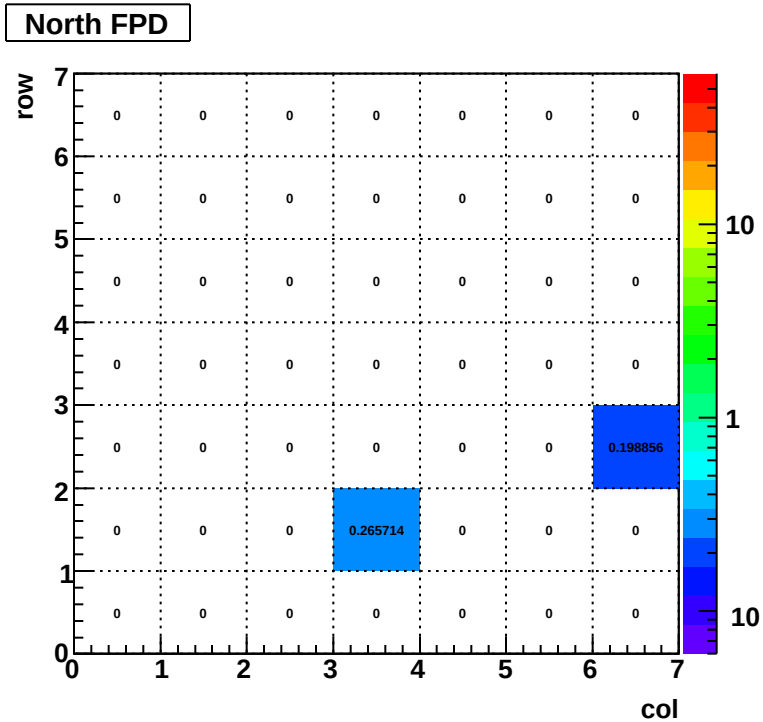
(1) Energy=40.639172 Y=-3.803870 Phi=0.124209

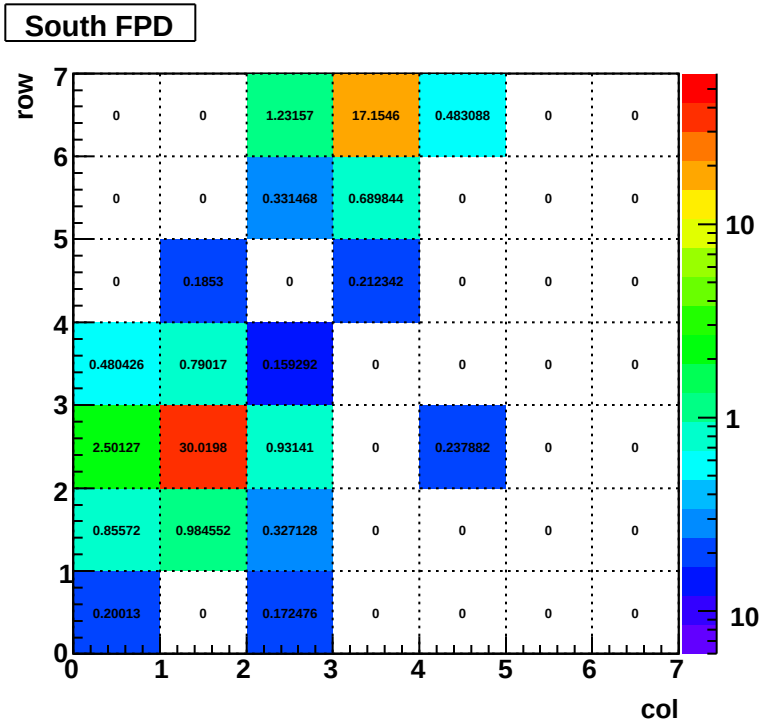
(2) Energy=21.600954 Y=-3.586459 Phi=-0.245540

M12=0.628 Y12=-3.739 Phi12=-0.022 E12=62.240

SumN(-) = 8 SumN(+)= 14 AN/.6=0.455







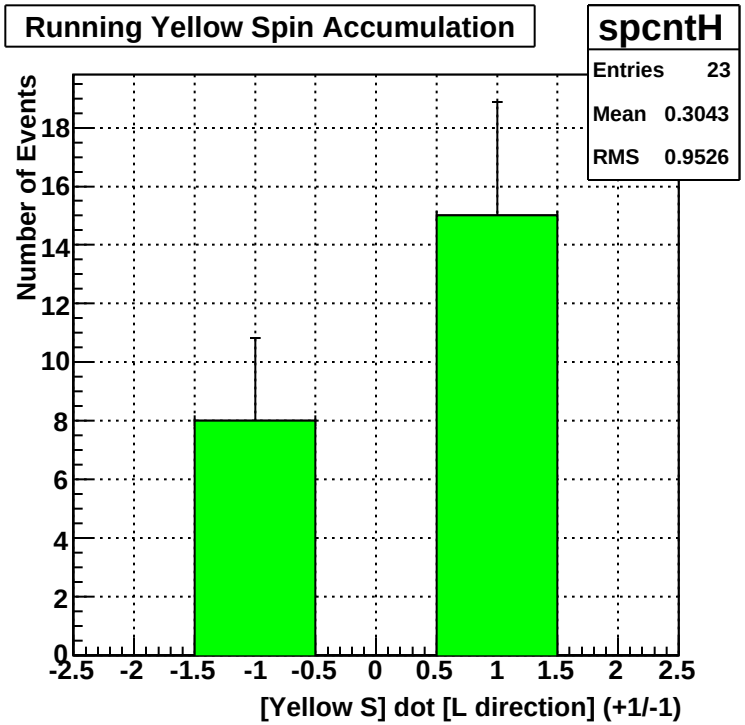
23) Rnum=7118040 EventN=102904 (2 Yd-S[+])

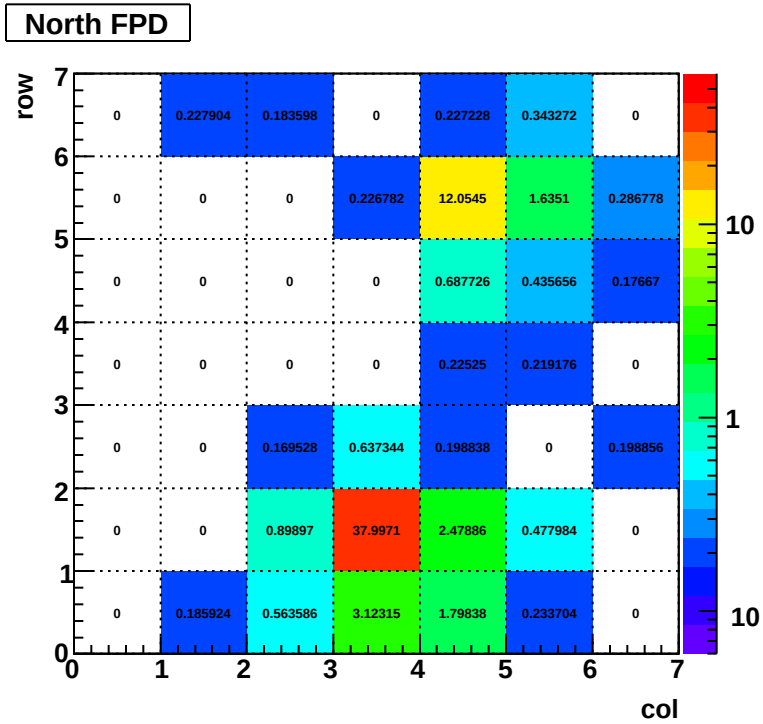
(1) Energy=44.328255 Y=-3.571629 Phi=2.943281

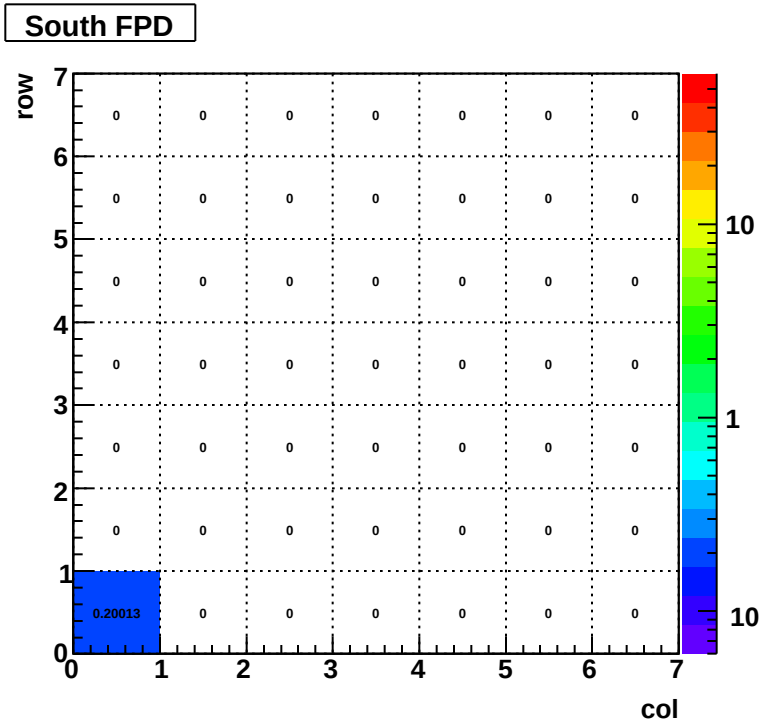
(2) Energy=16.516579 Y=-3.494029 Phi=-3.005546

M12=0.540 Y12=-3.561 Phi12=3.039 E12=60.845

SumN(-) = 8 SumN(+)= 15 AN/.6=0.507







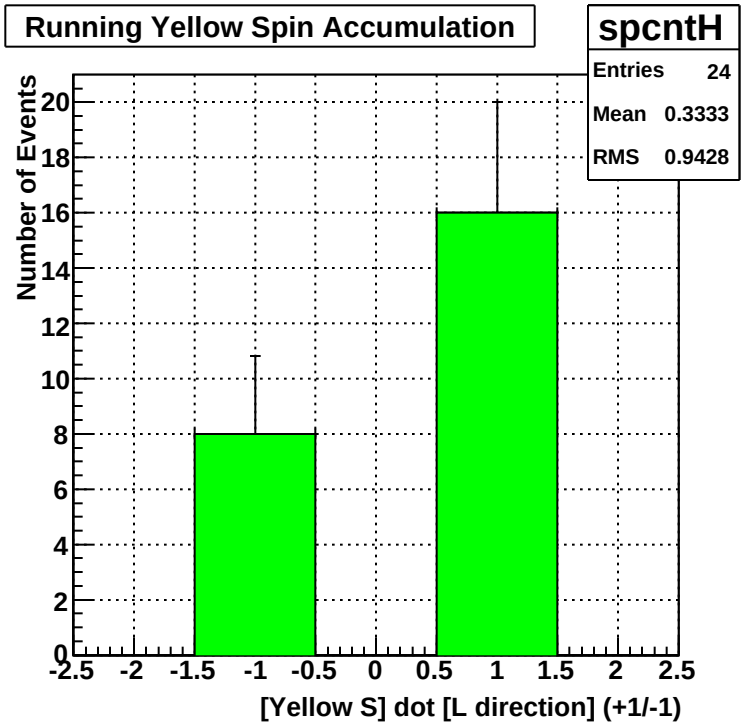
24) Rnum=7118041 EventN=4901150 (3 Yu-N[+])

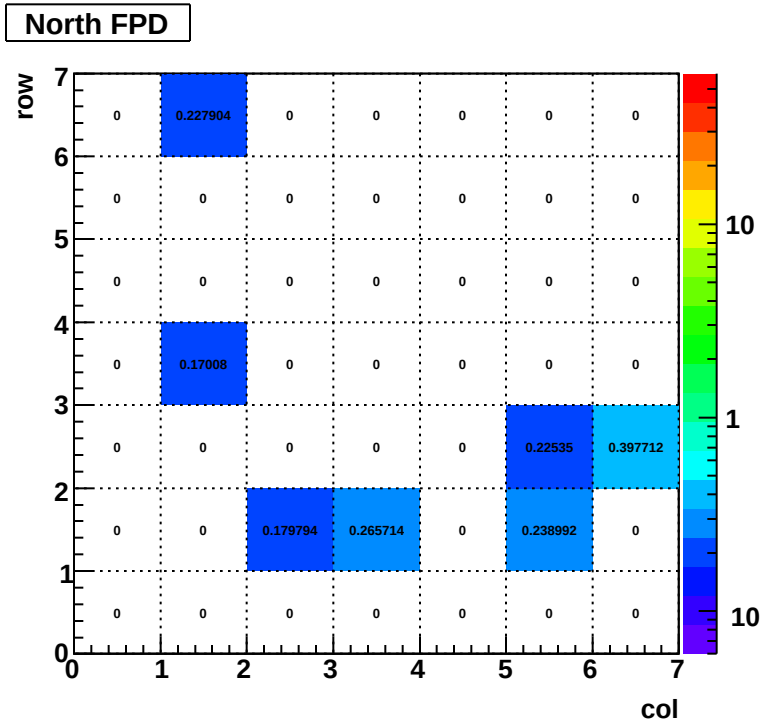
(1) Energy=41.722305 Y=-3.693438 Phi=0.159313

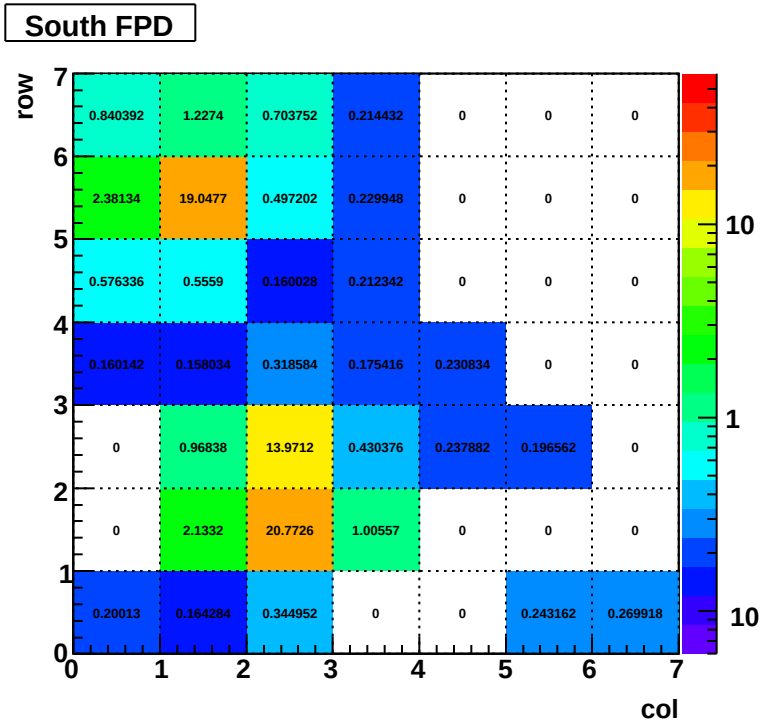
(2) Energy=26.210869 Y=-3.798181 Phi=-0.207910

M12=0.593 Y12=-3.748 Phi12=0.027 E12=67.933

SumN(-) = 8 SumN(+)= 16 AN/.6=0.556







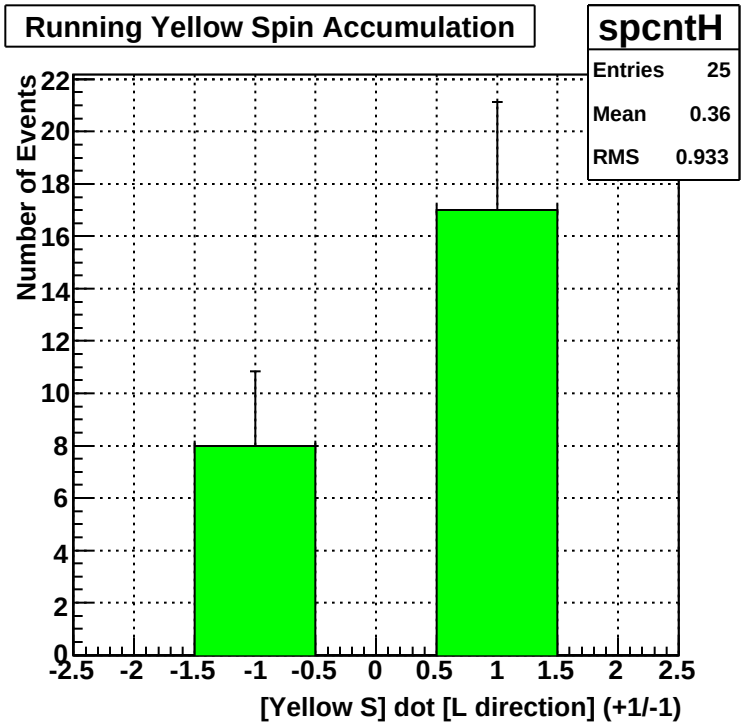
25) Rnum=7118041 EventN=2307222 (1 Yu-N[+])

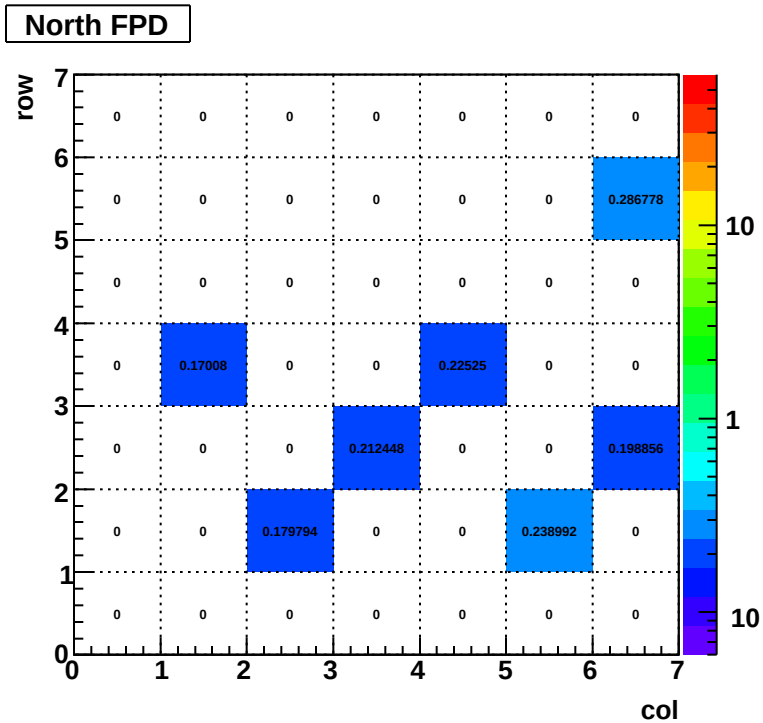
(1) Energy=39.016064 Y=-3.635466 Phi=0.015583

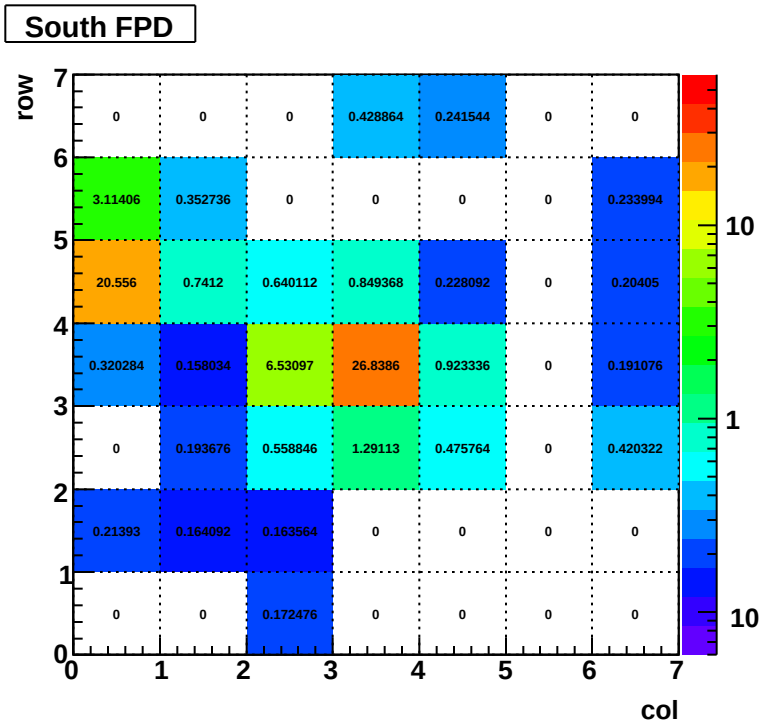
(2) Energy=28.720041 Y=-3.904598 Phi=-0.131578

M12=0.474 Y12=-3.743 Phi12=-0.037 E12=67.736

SumN(-) = 8 SumN(+)= 17 AN/.6=0.600







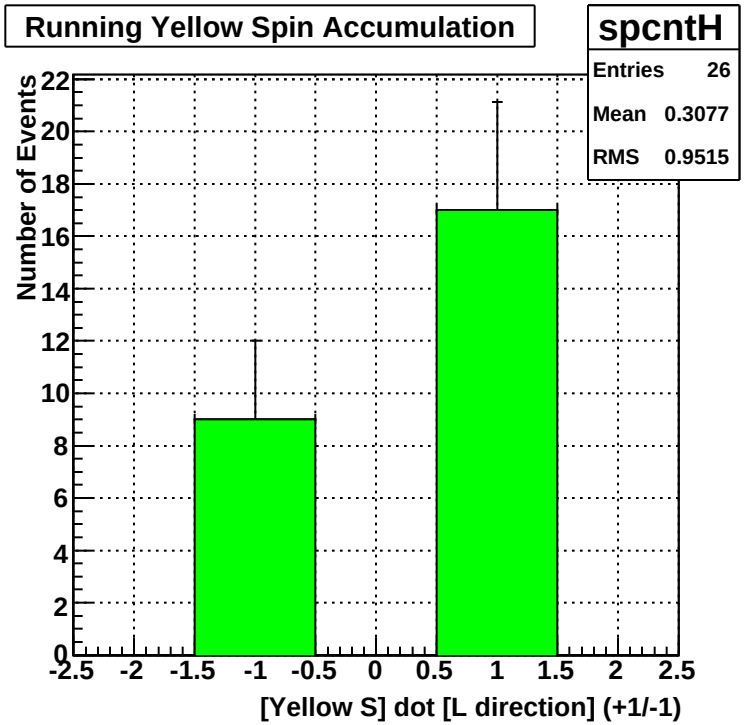
26) Rnum=7118045 EventN=3601663 (3 Yu-S[-])

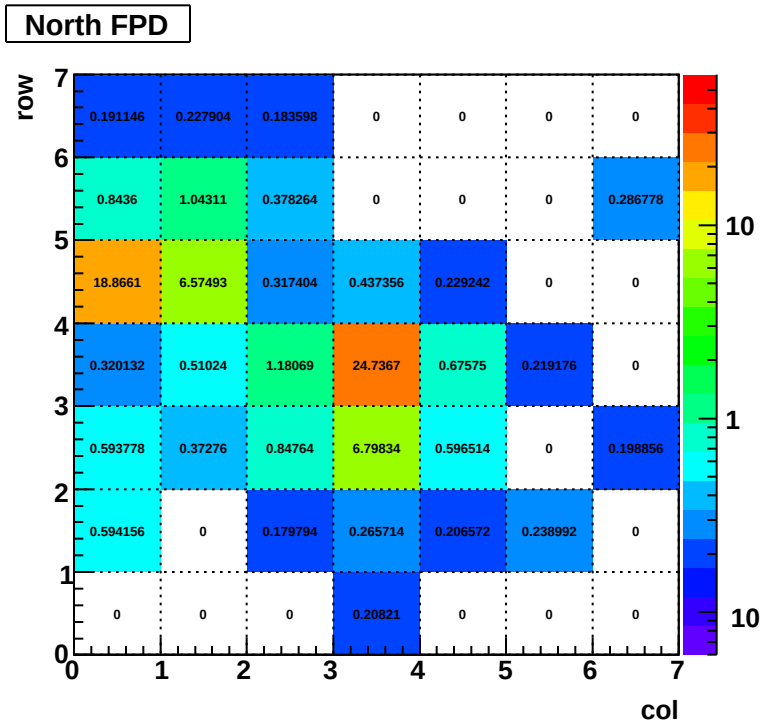
(1) Energy=36.623589 Y=-3.609449 Phi=3.096843

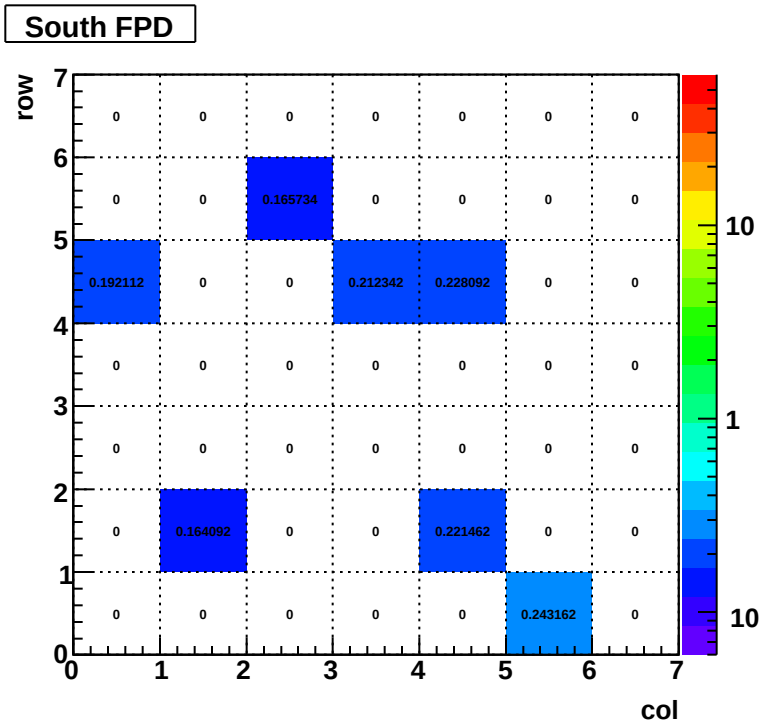
(2) Energy=29.387241 Y=-3.852379 Phi=-3.035213

M12=0.450 Y12=-3.713 Phi12=-3.128 E12=66.011

SumN(-) = 9 SumN(+)= 17 AN/.6=0.513







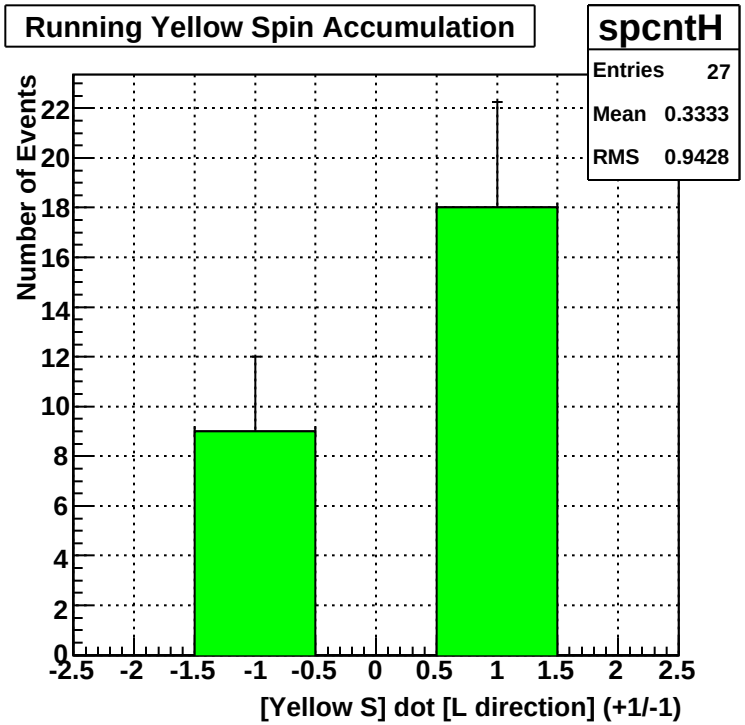
27) Rnum=7118045 EventN=7205928 (0 Yd-S[+])

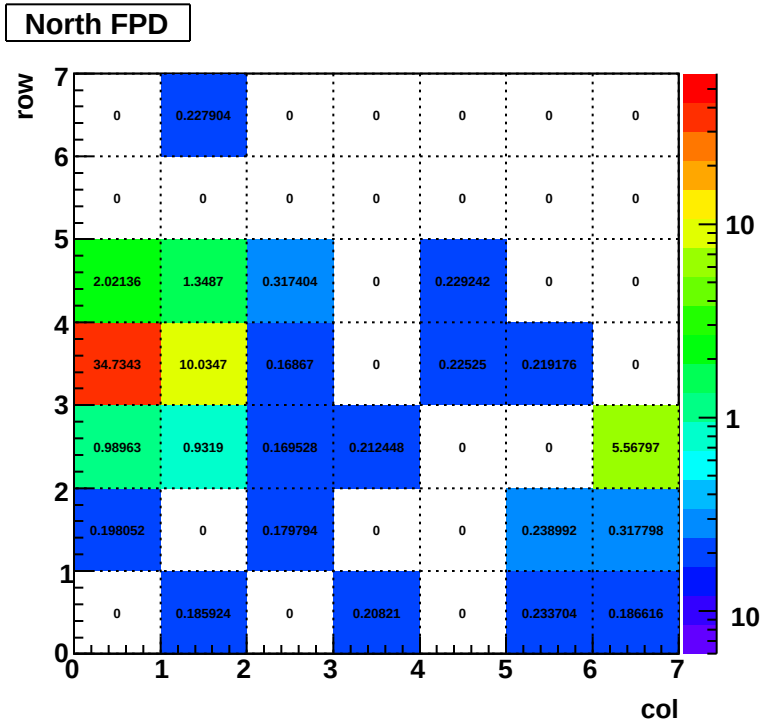
(1) Energy=54.717045 Y=-3.863184 Phi=3.133452

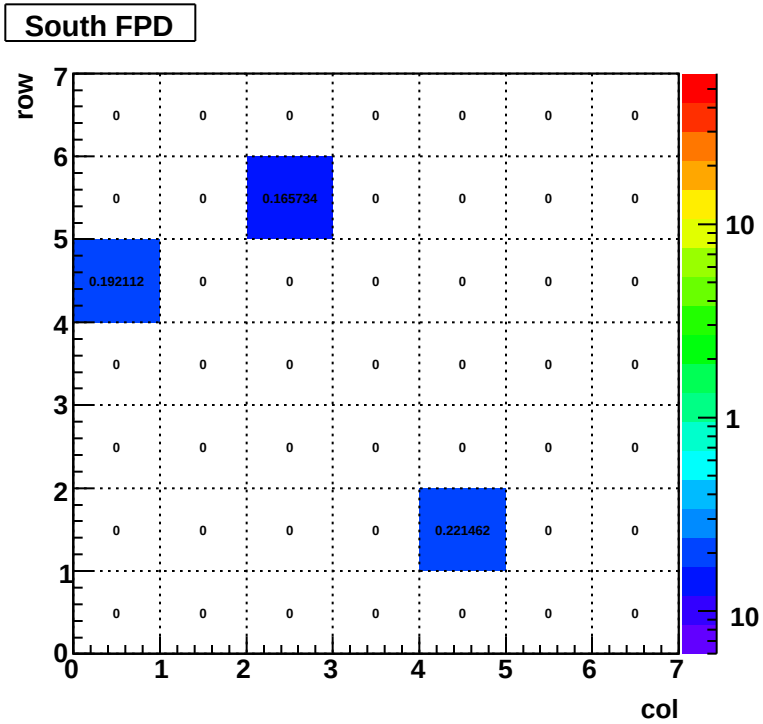
(2) Energy=8.353292 Y=-3.371707 Phi=3.065448

M12=0.575 Y12=-3.783 Phi12=3.120 E12=63.070

SumN(-) = 9 SumN(+)= 18 AN/.6=0.556







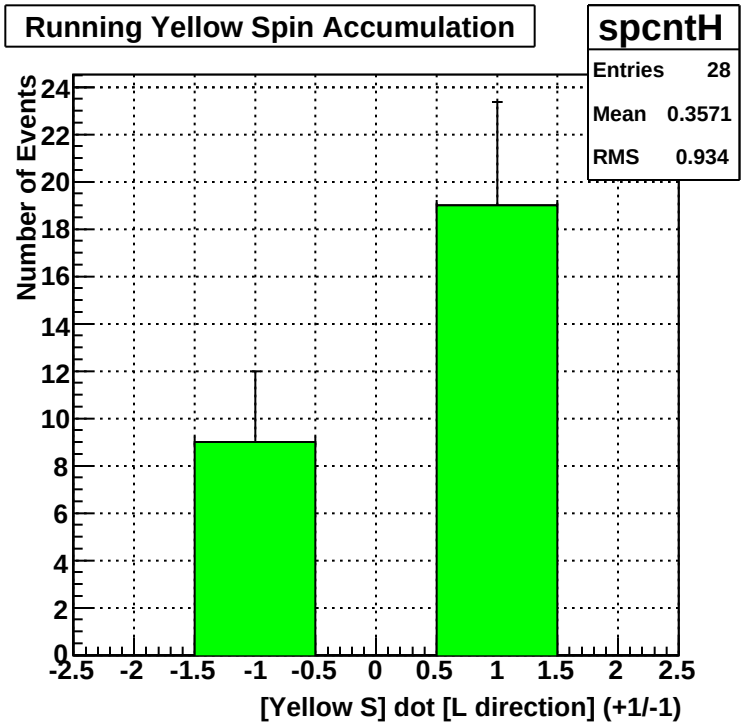
28) Rnum=7118048 EventN=1201955 (3 Yu-N[+])

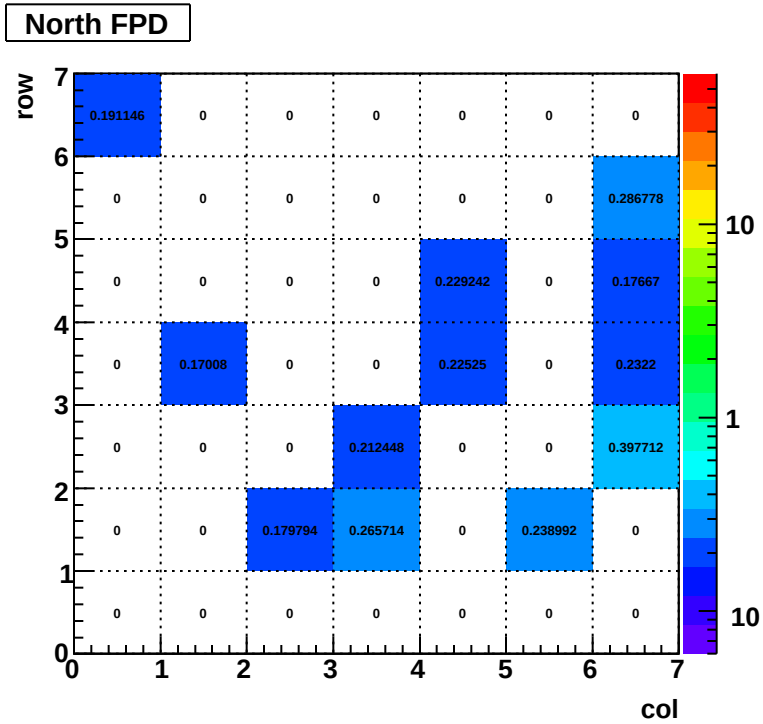
(1) Energy=49.574085 Y=-3.747471 Phi=0.018035

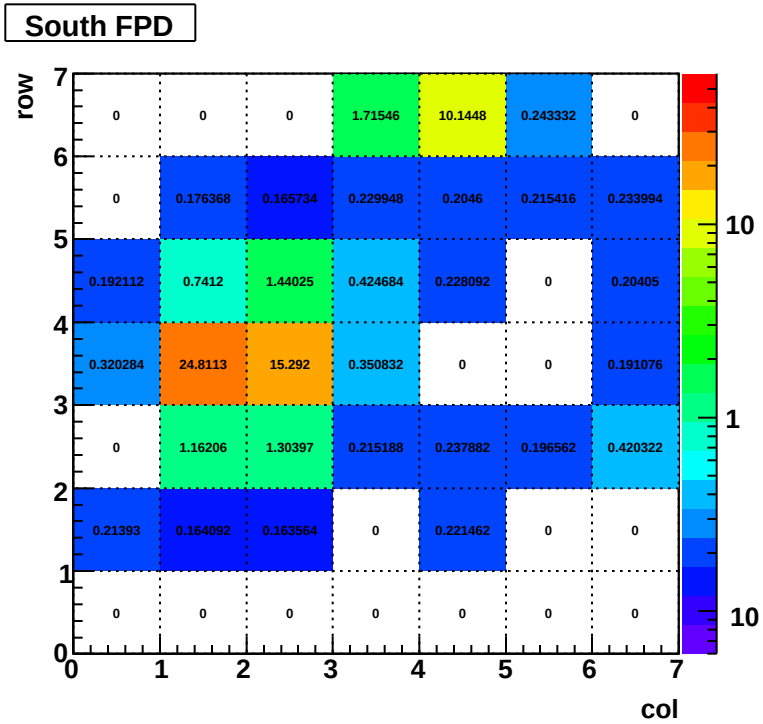
(2) Energy=14.122299 Y=-3.516020 Phi=-0.241924

M12=0.487 Y12=-3.698 Phi12=-0.050 E12=63.696

SumN(-) = 9 SumN(+)= 19 AN/.6=0.595







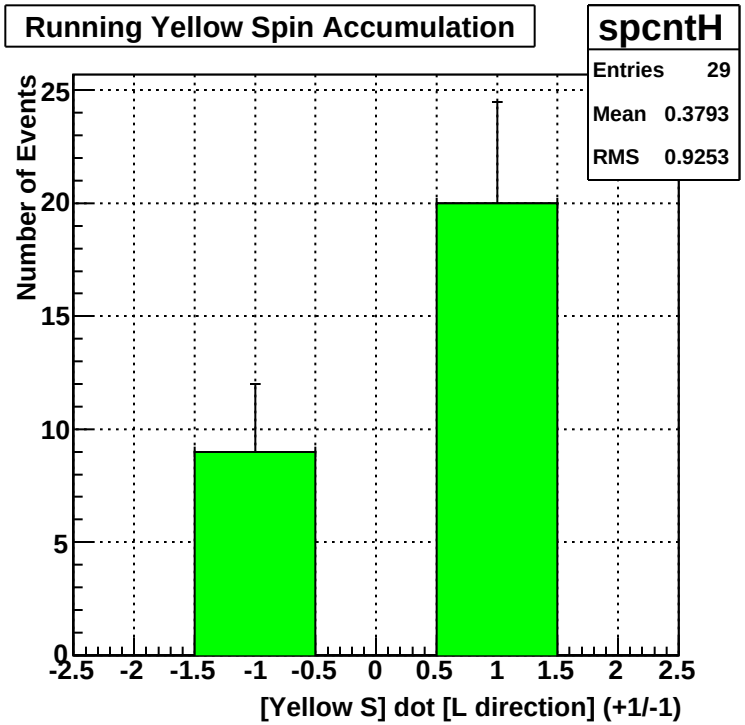
29) Rnum=7118050 EventN=3404354 (0 Yd-S[+])

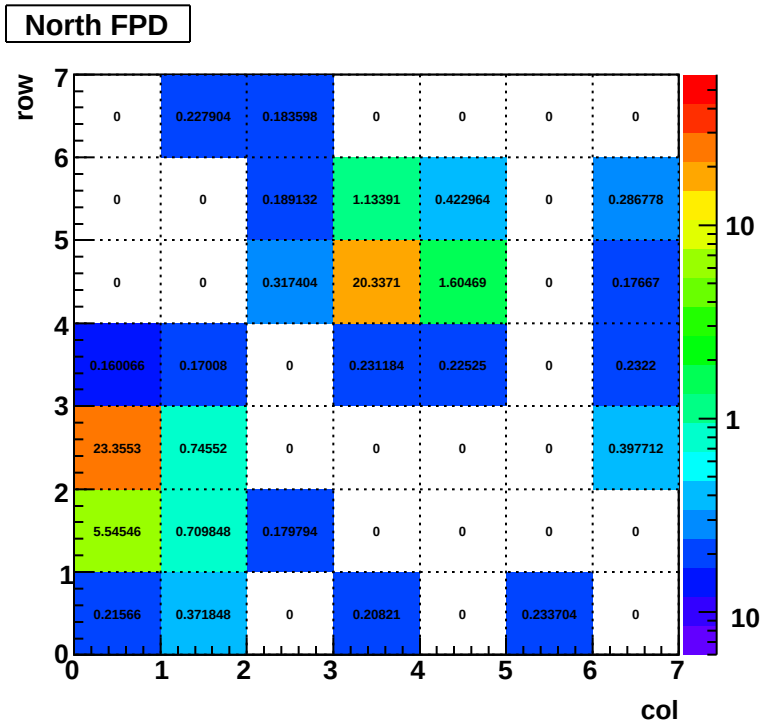
(1) Energy=34.781532 Y=-3.896565 Phi=2.967007

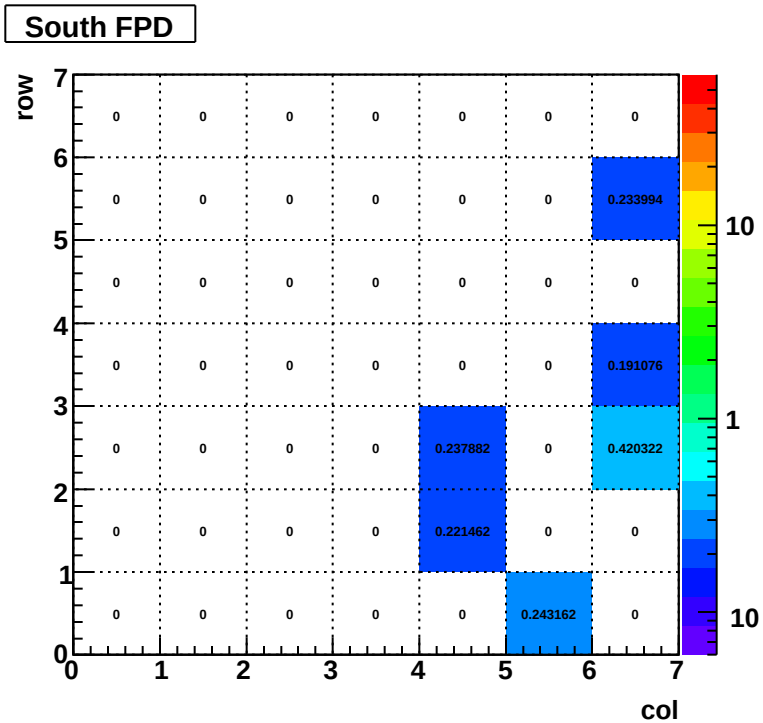
(2) Energy=25.659710 Y=-3.589958 Phi=-3.058739

M12=0.567 Y12=-3.763 Phi12=3.096 E12=60.441

SumN(-) = 9 SumN(+)= 20 AN/.6=0.632







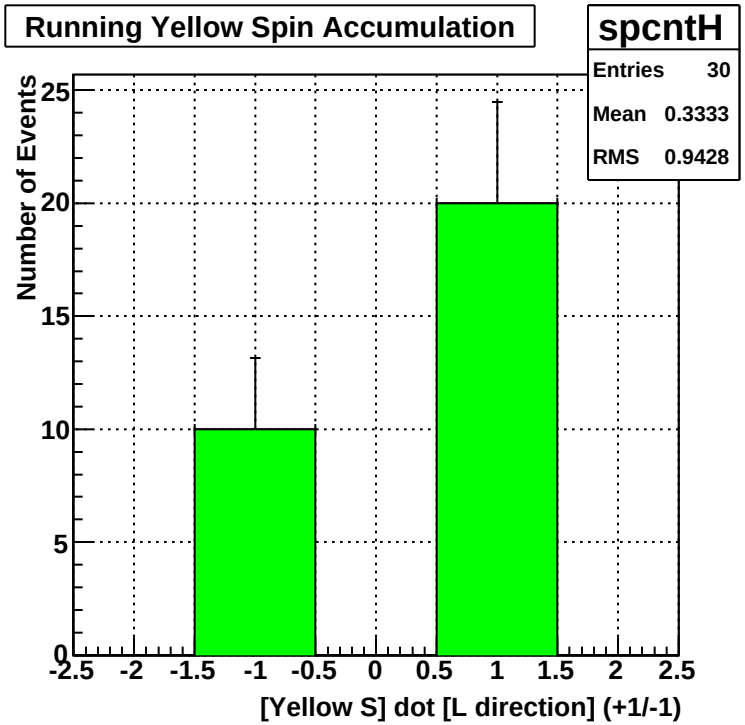
30) Rnum=7118050 EventN=5402220 (3 Yu-S[-])

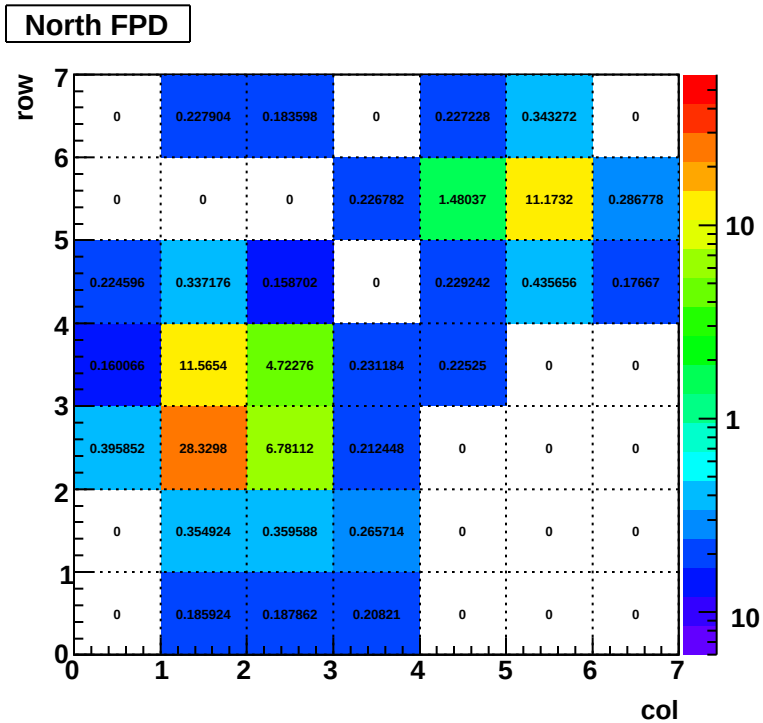
(1) Energy=55.202995 Y=-3.754251 Phi=3.068751

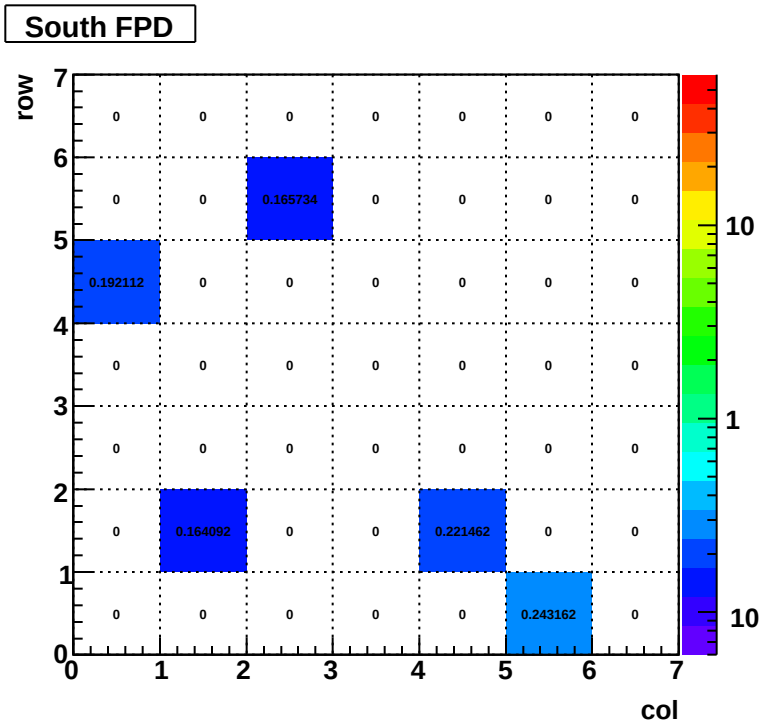
(2) Energy=13.456432 Y=-3.456609 Phi=-3.005604

M12=0.539 Y12=-3.693 Phi12=3.120 E12=68.659

SumN(-) = 10 SumN(+)= 20 AN/.6=0.556







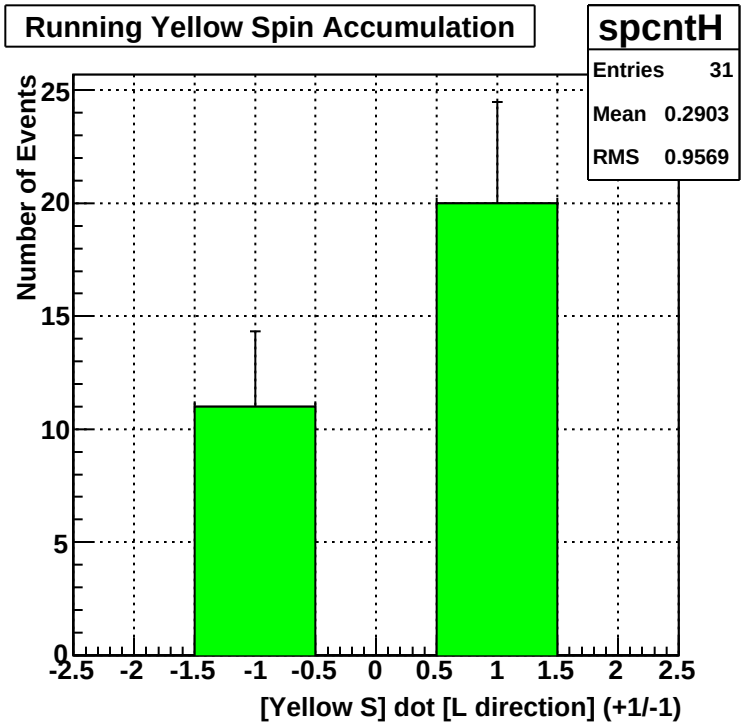
31) Rnum=7118050 EventN=900806 (0 Yd-N[-])

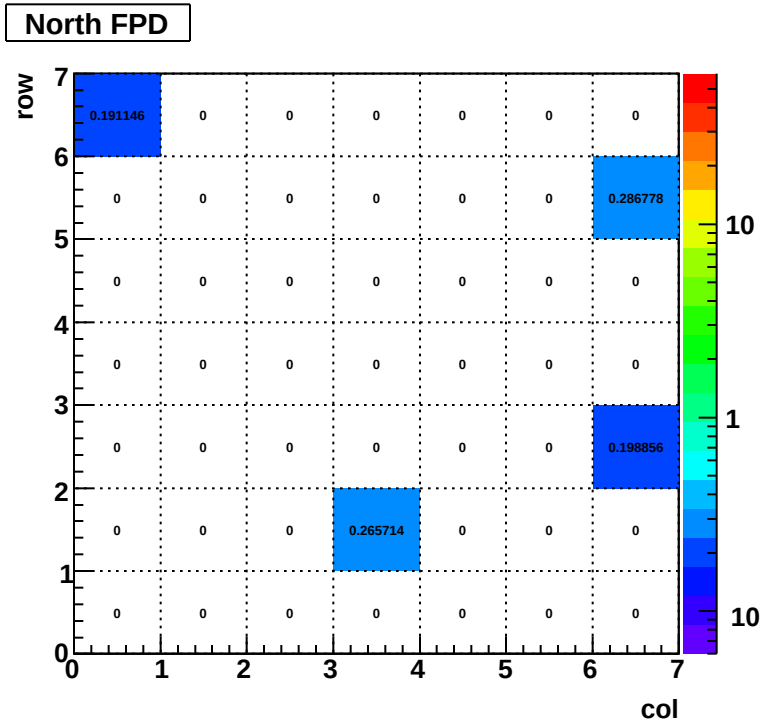
(1) Energy=30.725212 Y=-3.595183 Phi=0.126461

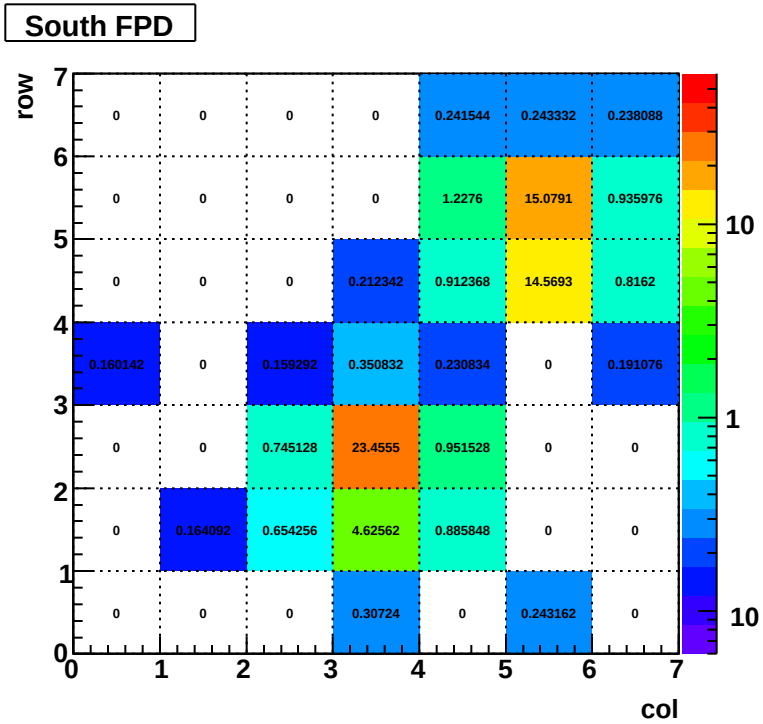
(2) Energy=34.252823 Y=-3.442076 Phi=-0.099679

M12=0.524 Y12=-3.518 Phi12=-0.001 E12=64.978

SumN(-) = 11 SumN(+)= 20 AN/.6=0.484







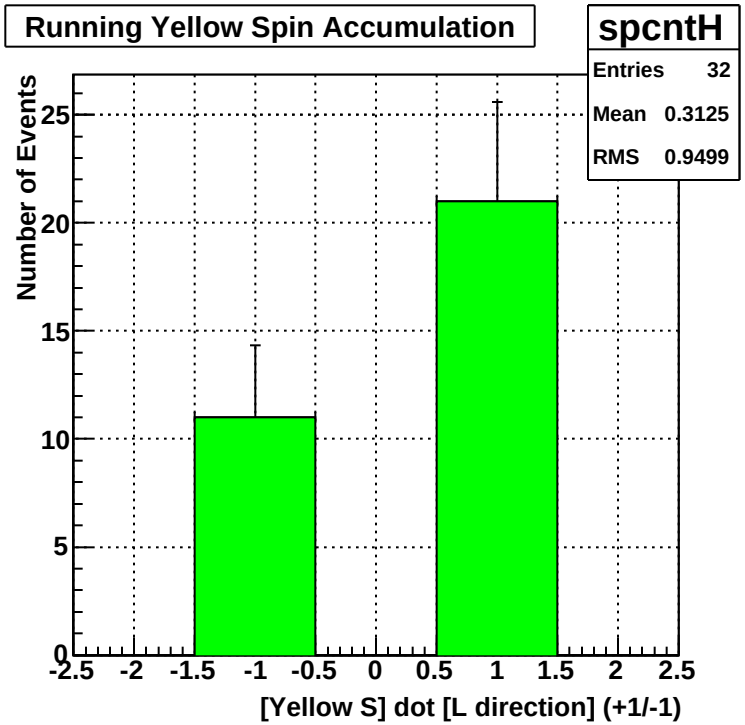
32) Rnum=7118050 EventN=1303725 (3 Yu-N[+])

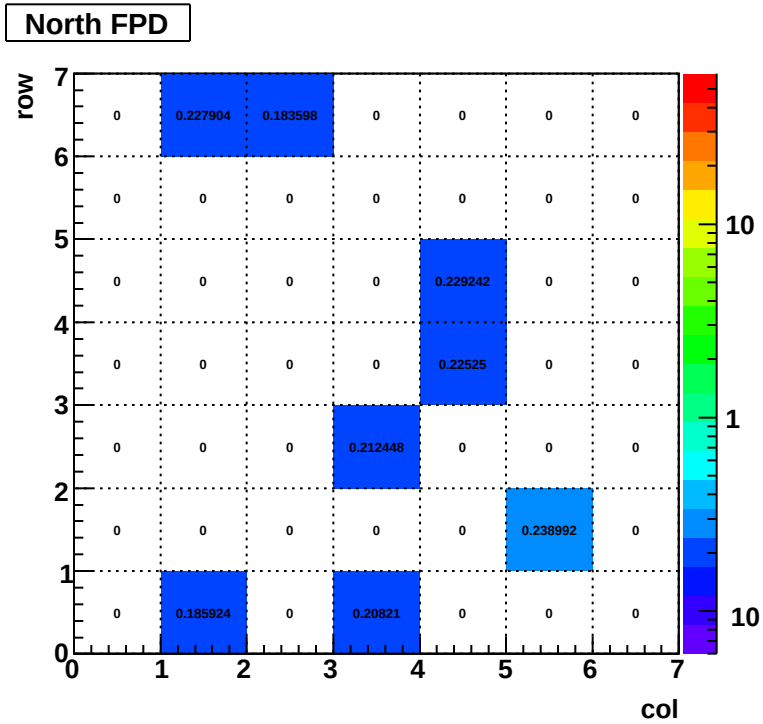
(1) Energy=41.181519 Y=-3.482614 Phi=0.028244

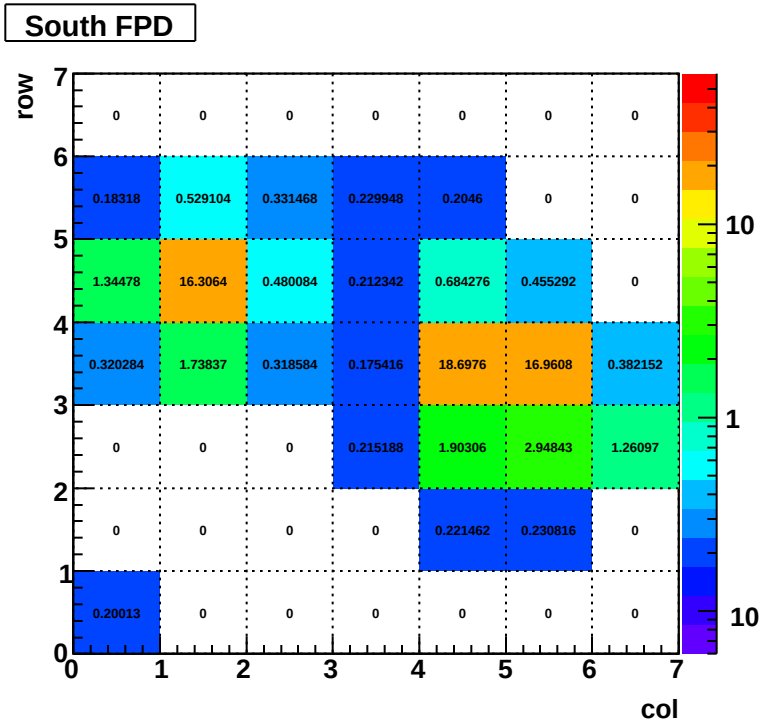
(2) Energy=22.168840 Y=-3.803220 Phi=-0.068141

M12=0.531 Y12=-3.584 Phi12=0.001 E12=63.350

SumN(-) = 11 SumN(+)= 21 AN/.6=0.521







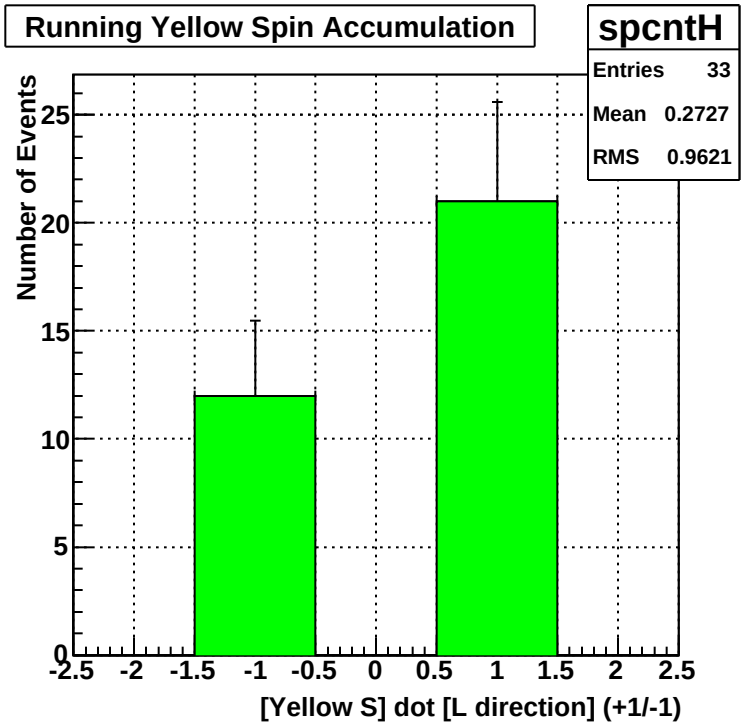
33) Rnum=7118052 EventN=508980 (2 Yd-N[-])

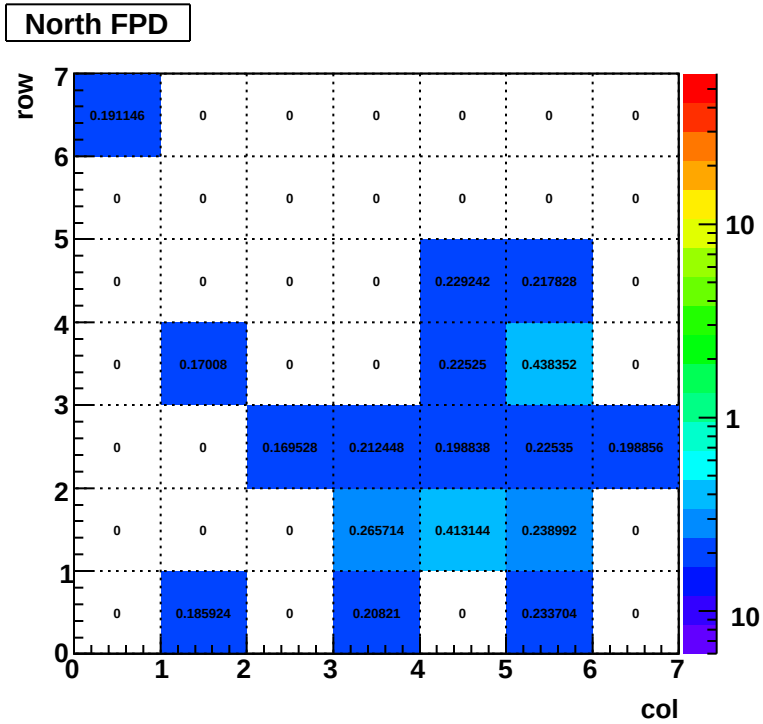
(1) Energy=32.087723 Y=-3.550498 Phi=0.132450

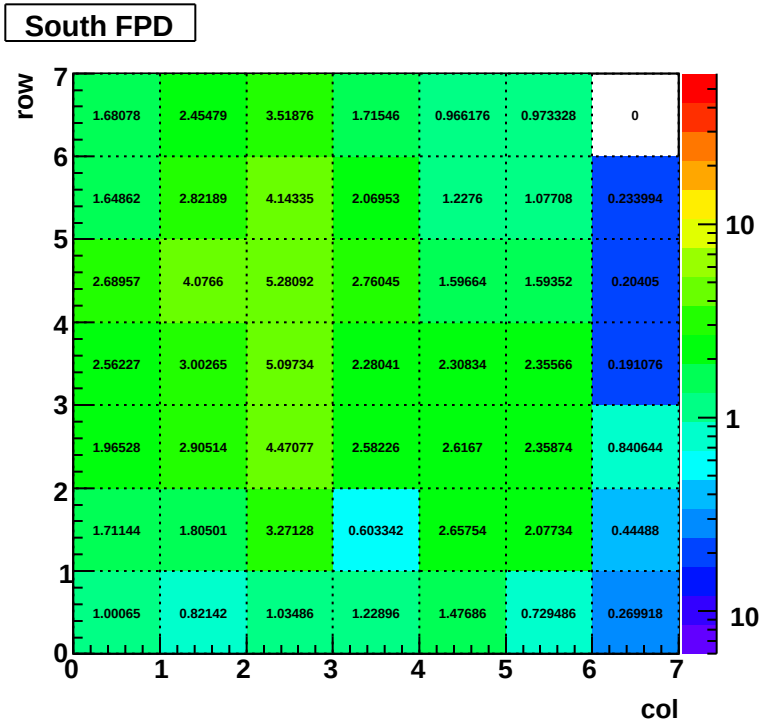
(2) Energy=35.881699 Y=-3.731633 Phi=-0.137483

M12=0.577 Y12=-3.651 Phi12=0.002 E12=67.969

SumN(-) = 12 SumN(+)= 21 AN/.6=0.455







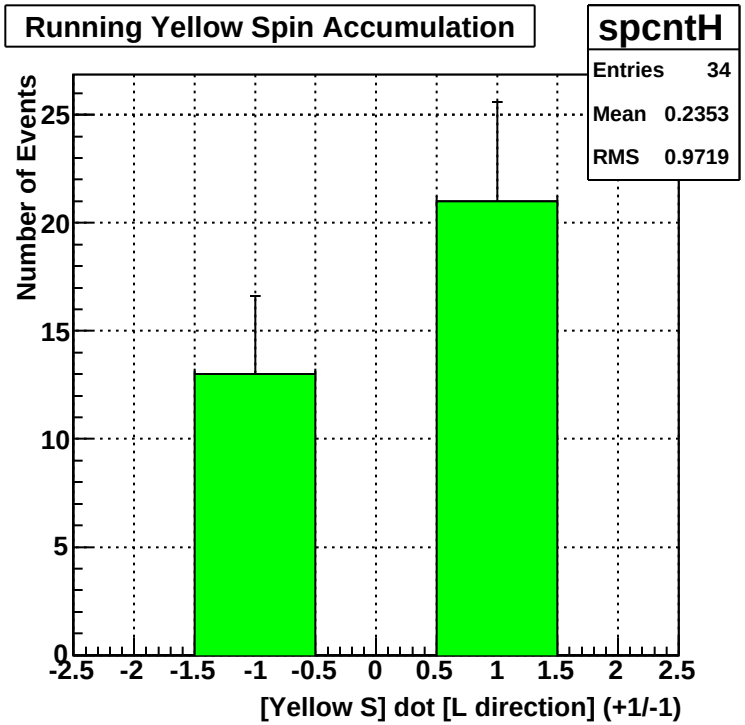
34) Rnum=7118068 EventN=707739 (2 Yd-N[-])

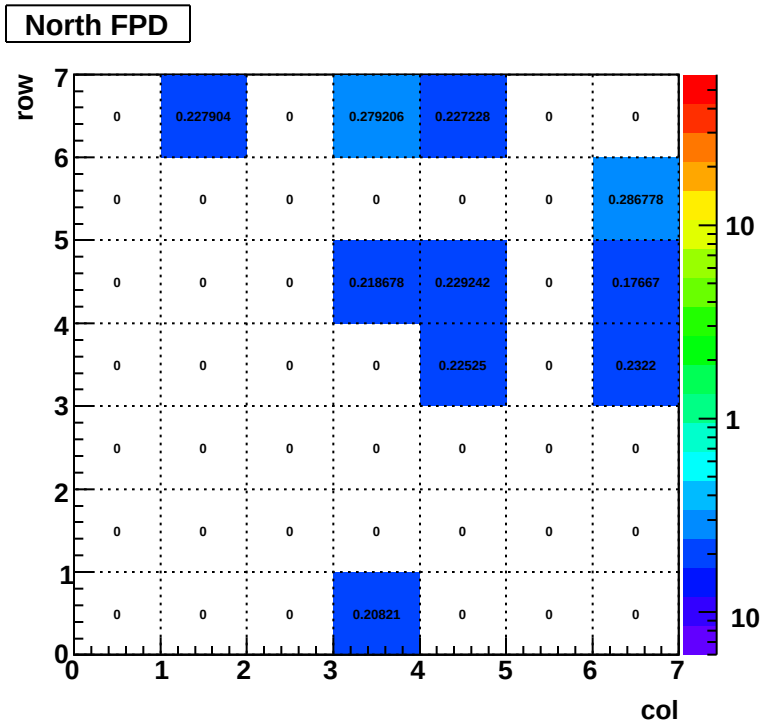
(1) Energy=28.711498 Y=-3.686728 Phi=0.083620

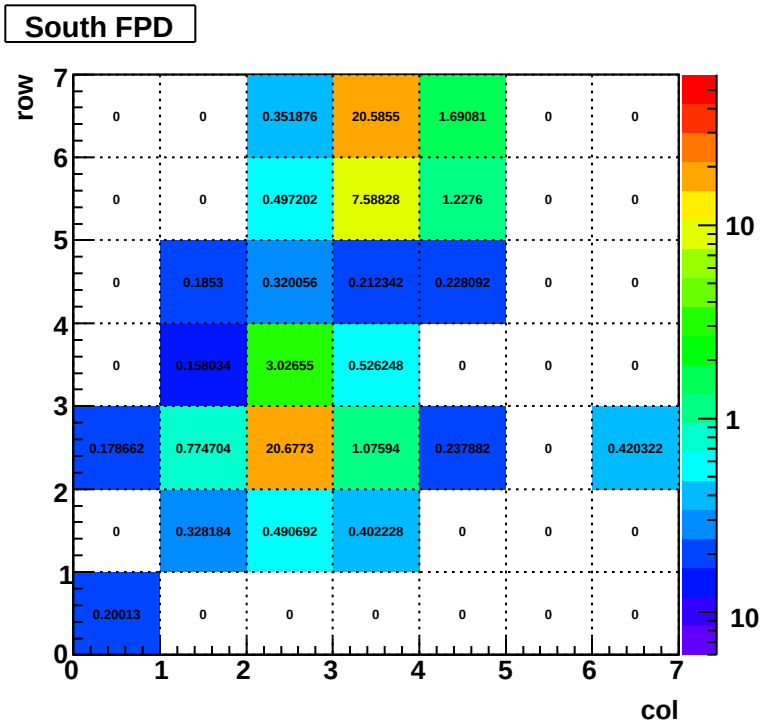
(2) Energy=33.310017 Y=-3.569442 Phi=-0.205334

M12=0.511 Y12=-3.632 Phi12=-0.080 E12=62.022

SumN(-) = 13 SumN(+)= 21 AN/.6=0.392







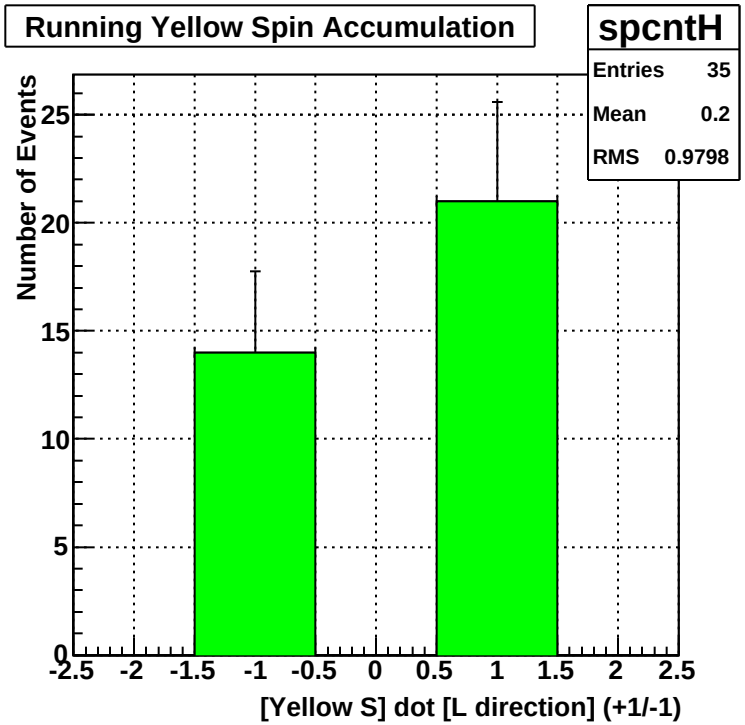
35) Rnum=7118073 EventN=1105261 (1 Yu-S[-])

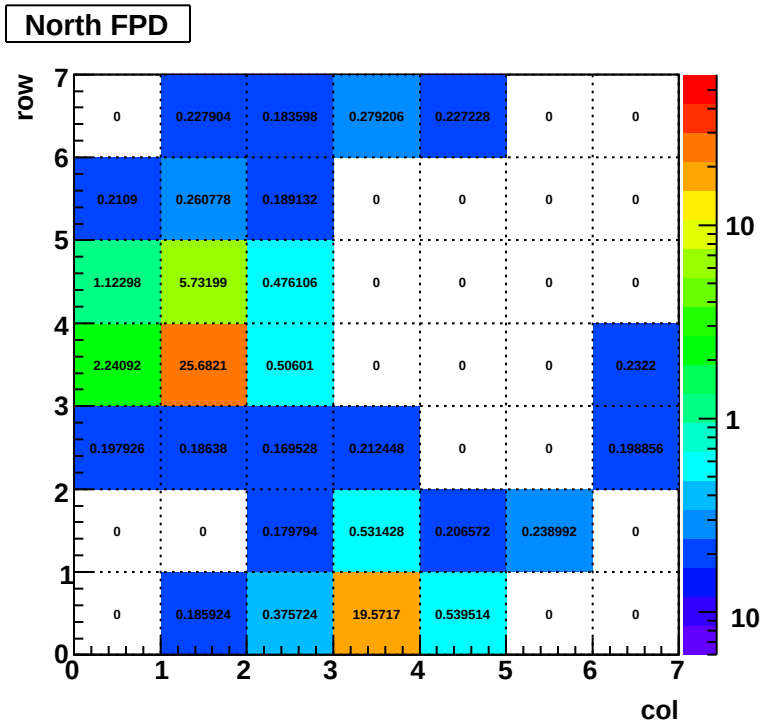
(1) Energy=37.908329 Y=-3.812928 Phi=-3.120443

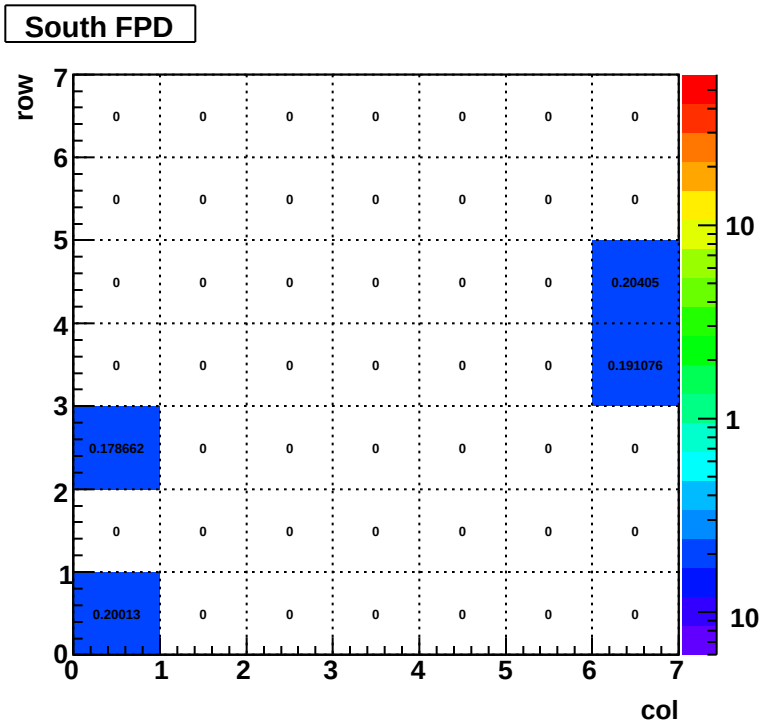
(2) Energy=24.827909 Y=-3.564160 Phi=2.864773

M12=0.595 Y12=-3.718 Phi12=3.027 E12=62.736

SumN(-) = 14 SumN(+)= 21 AN/.6=0.333







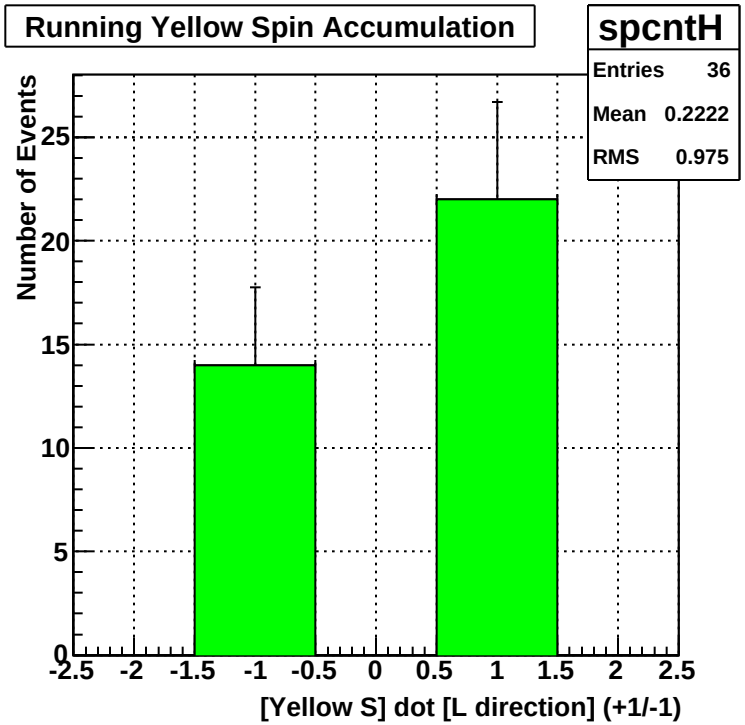
36) Rnum=7118075 EventN=3100141 (2 Yd-S[+])

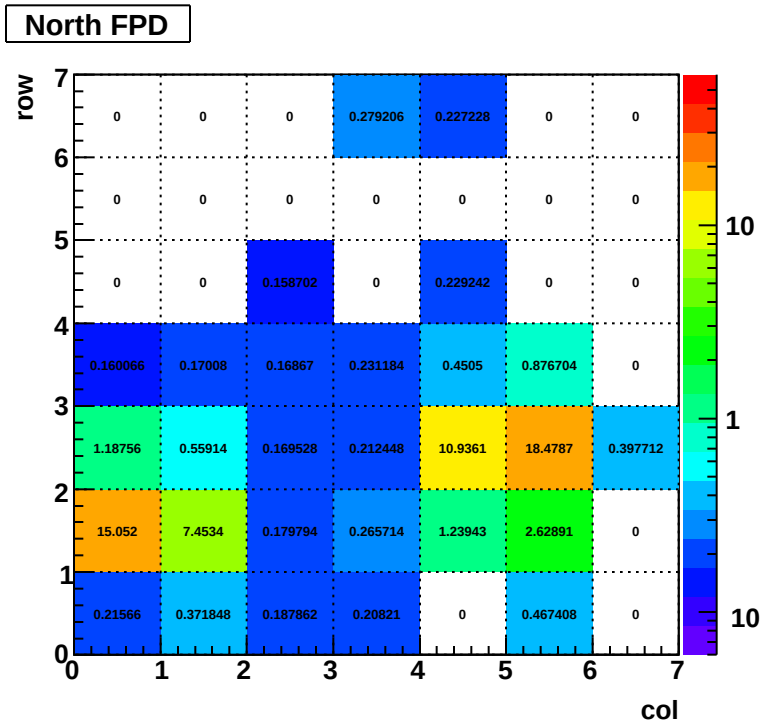
(1) Energy=34.583672 Y=-3.474821 Phi=3.040247

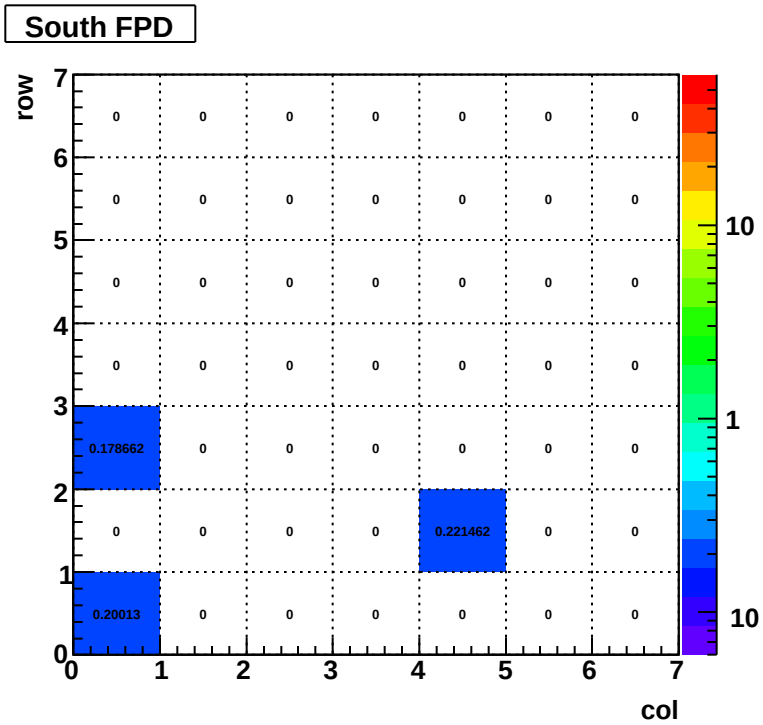
(2) Energy=27.022356 Y=-3.829366 Phi=2.917622

M12=0.597 Y12=-3.617 Phi12=2.997 E12=61.606

SumN(-) = 14 SumN(+)= 22 AN/.6=0.370







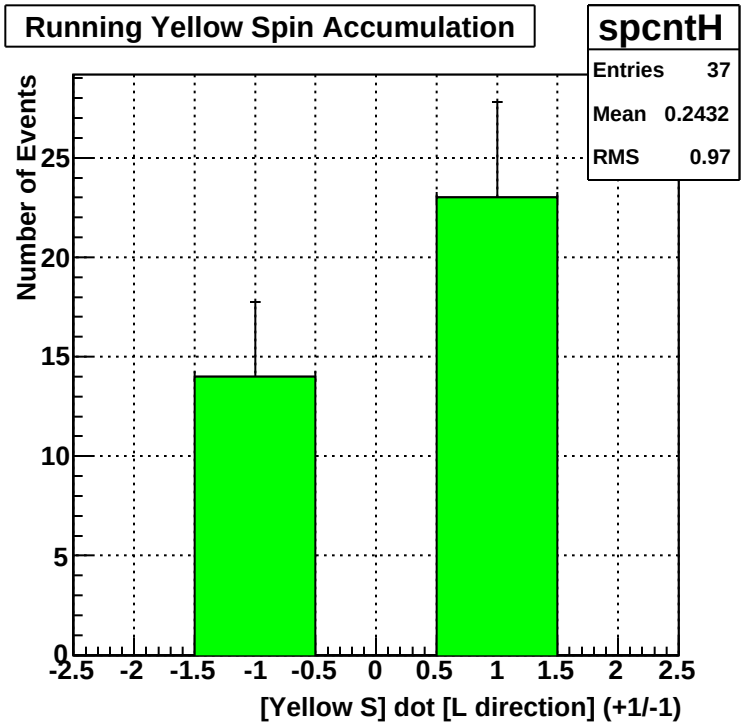
37) Rnum=7118076 EventN=104627 (0 Yd-S[+])

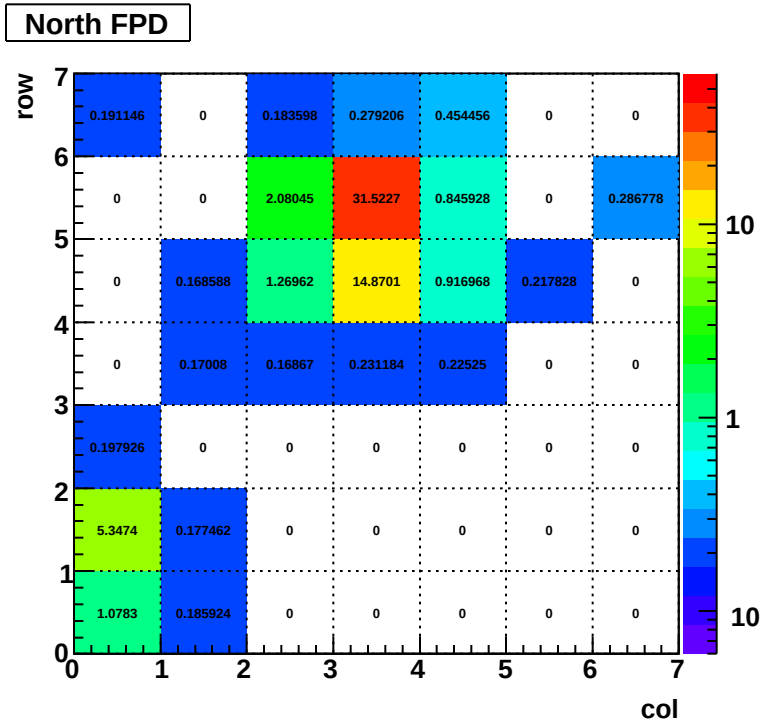
(1) Energy=53.978031 Y=-3.605650 Phi=-3.018507

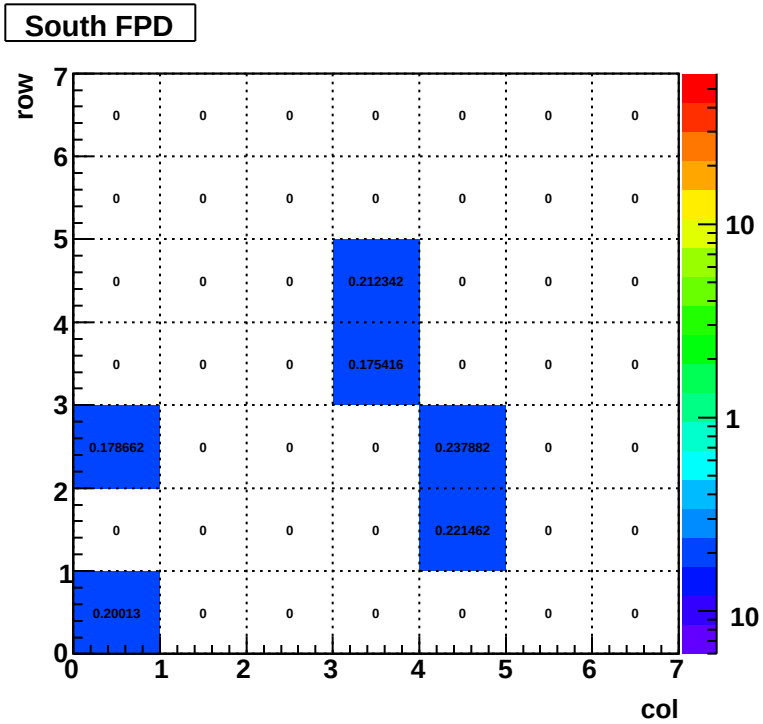
(2) Energy=7.764411 Y=-3.868781 Phi=2.859605

M12=0.469 Y12=-3.642 Phi12=-3.058 E12=61.742

SumN(-) = 14 SumN(+)= 23 AN/.6=0.405







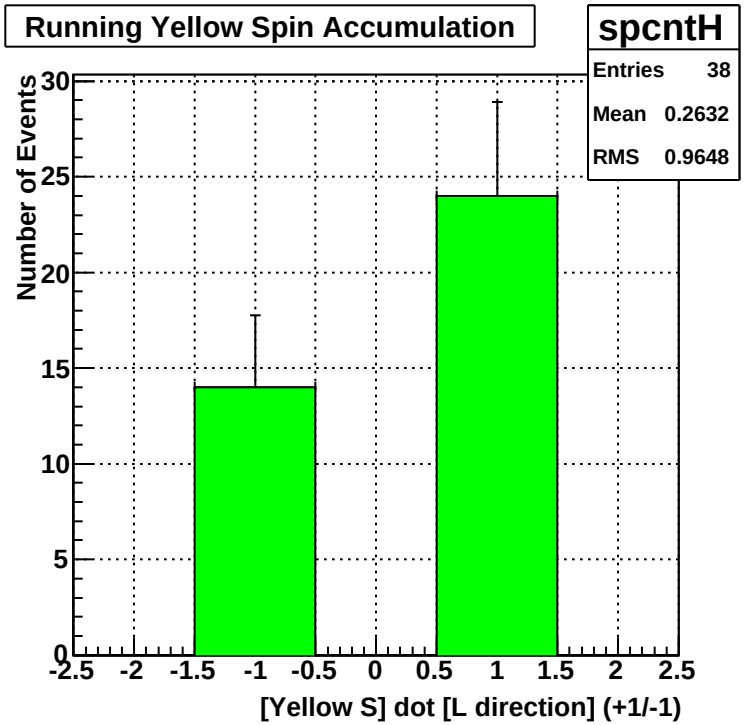
38) Rnum=7118077 EventN=903509 (1 Yu-N[+])

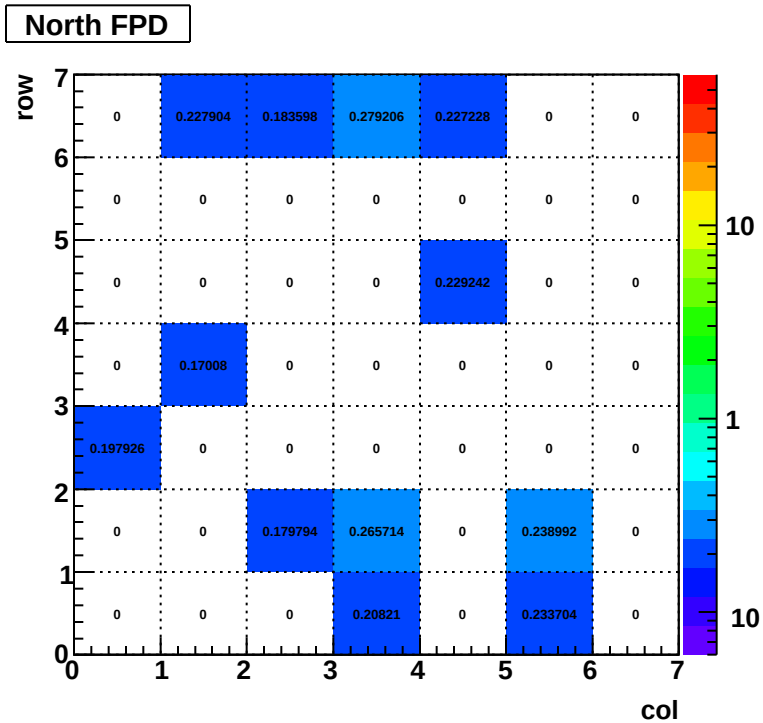
(1) Energy=49.988968 Y=-3.706271 Phi=0.209174

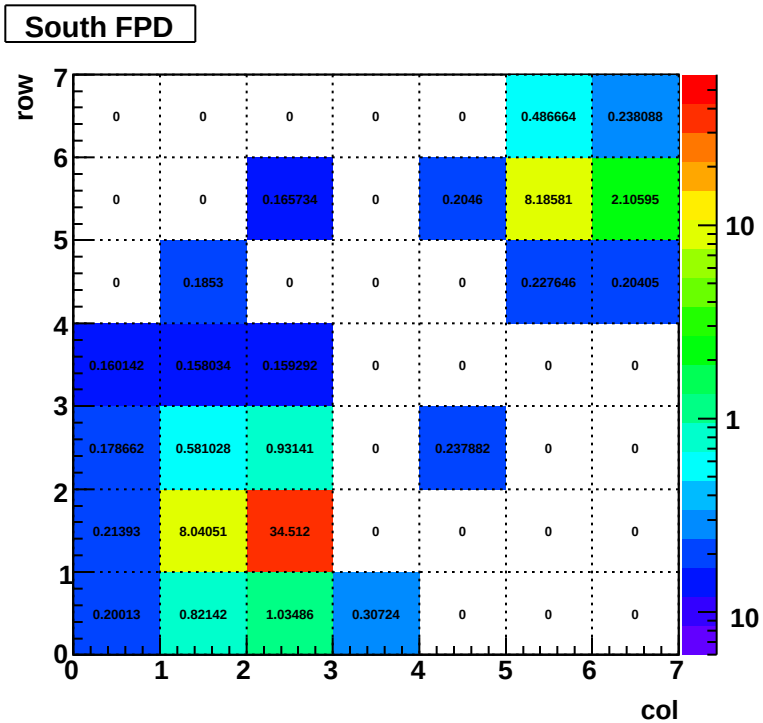
(2) Energy=11.945178 Y=-3.409320 Phi=-0.136823

M12=0.634 Y12=-3.653 Phi12=0.126 E12=61.934

SumN(-) = 14 SumN(+)= 24 AN/.6=0.439







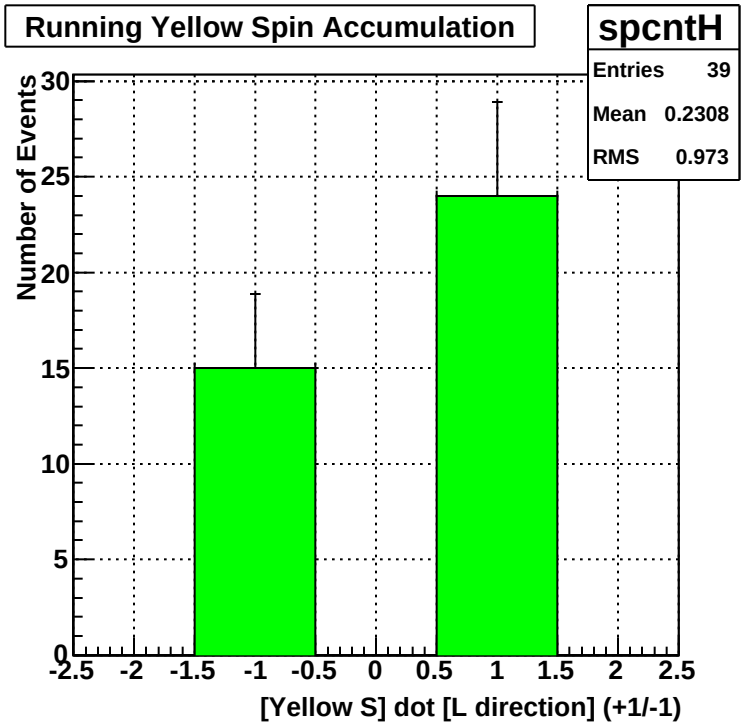
39) Rnum=7118078 EventN=3406109 (0 Yd-N[-])

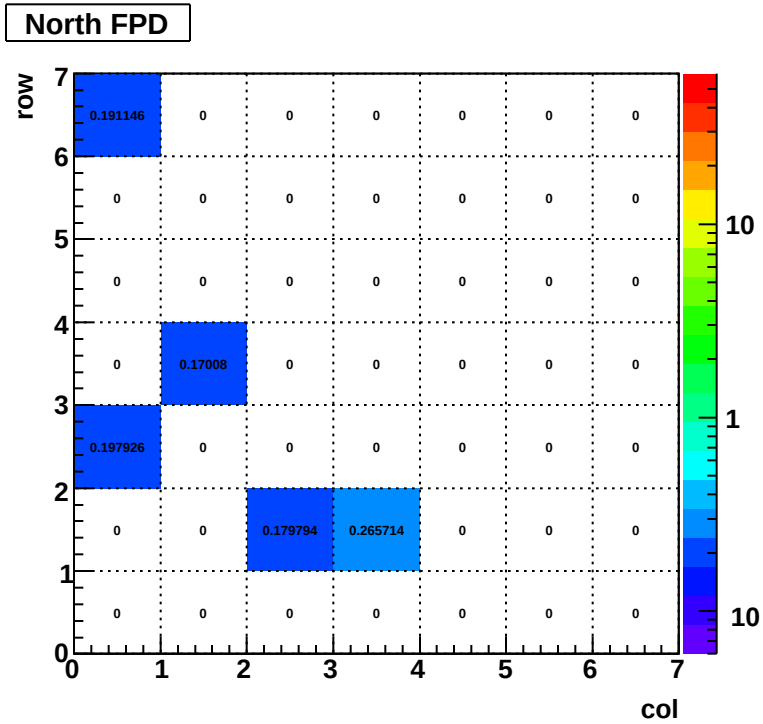
(1) Energy=37.711769 Y=-3.685962 Phi=-0.179745

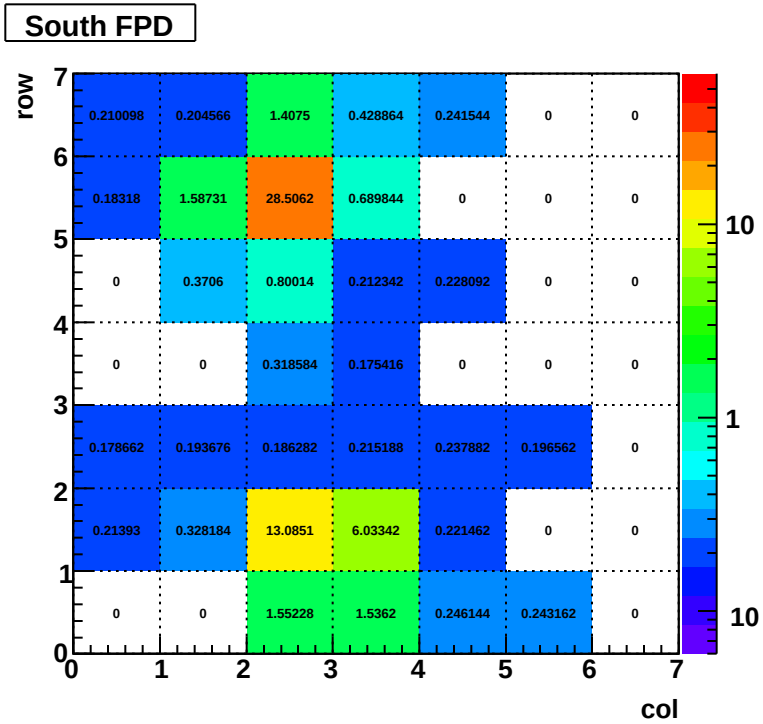
(2) Energy=23.680897 Y=-3.631857 Phi=0.215264

M12=0.610 Y12=-3.684 Phi12=-0.023 E12=61.393

SumN(-) = 15 SumN(+)= 24 AN/.6=0.385







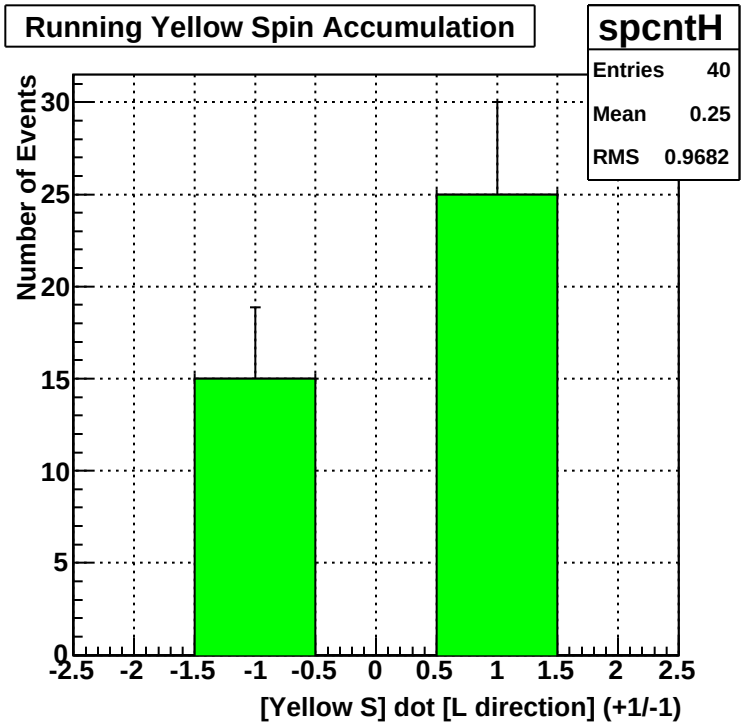
40) Rnum=7118078 EventN=4101531 (1 Yu-N[+])

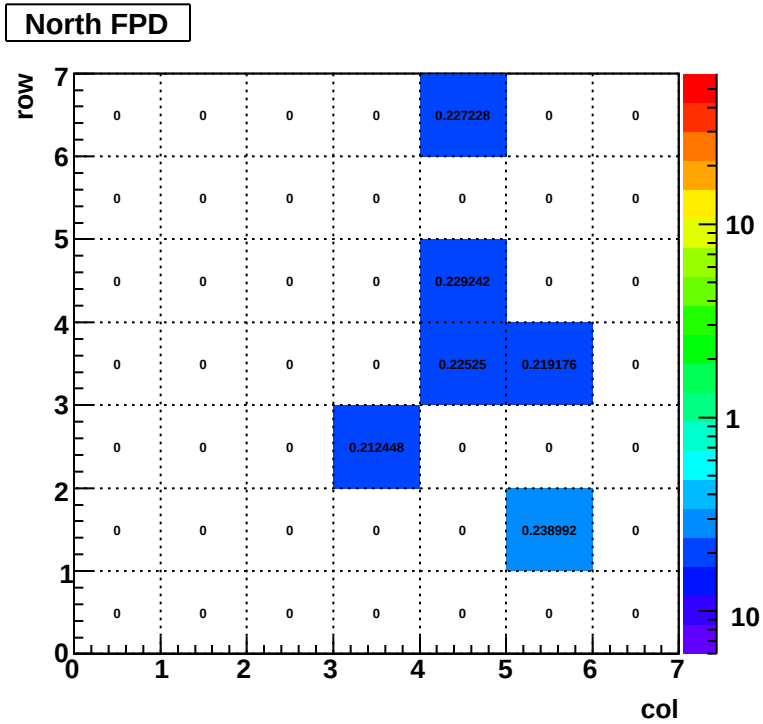
(1) Energy=40.542004 Y=-3.864061 Phi=0.076296

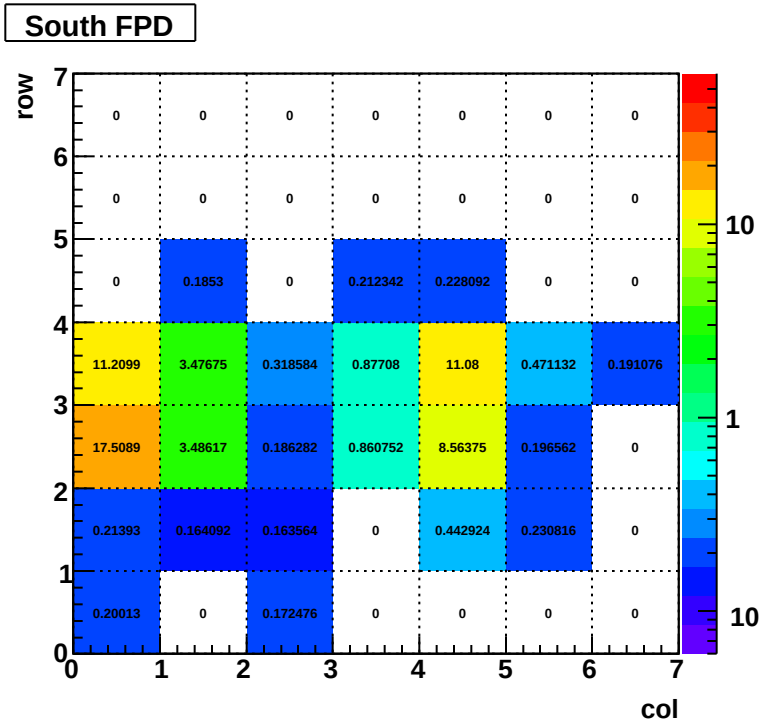
(2) Energy=21.895720 Y=-3.531236 Phi=0.050966

M12=0.495 Y12=-3.734 Phi12=0.065 E12=62.438

SumN(-) = 15 SumN(+)= 25 AN/.6=0.417







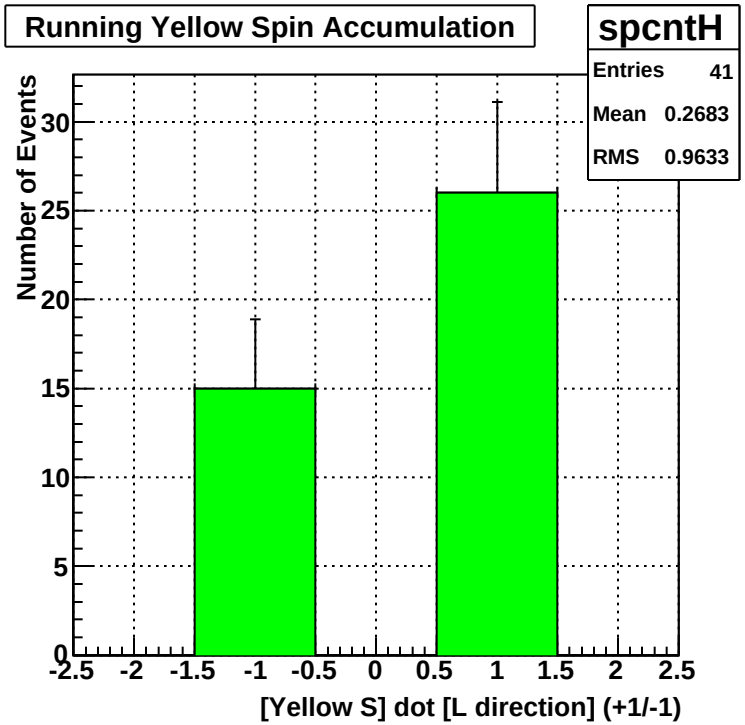
41) Rnum=7118078 EventN=5203711 (0 Yd-S[+])

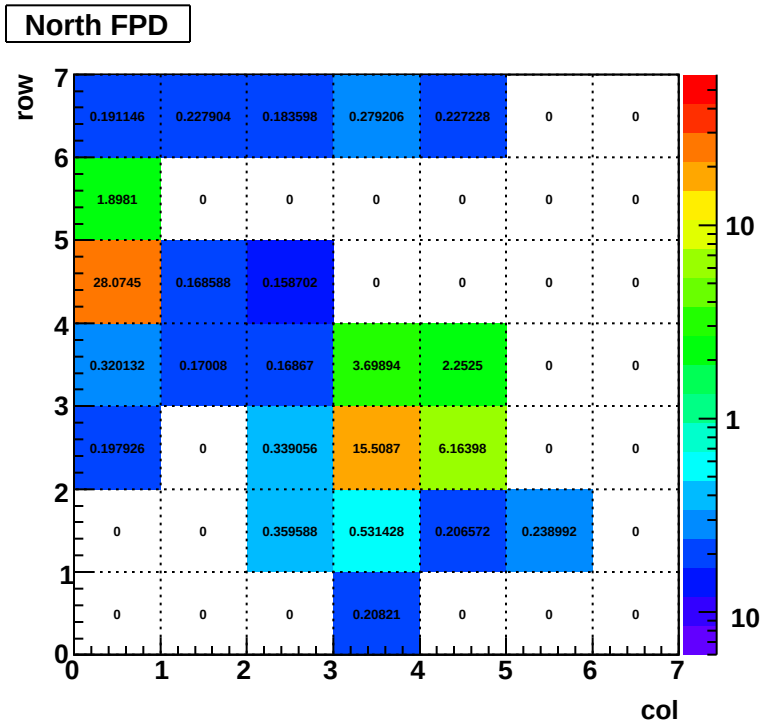
(1) Energy=34.790176 Y=-3.919901 Phi=-3.022966

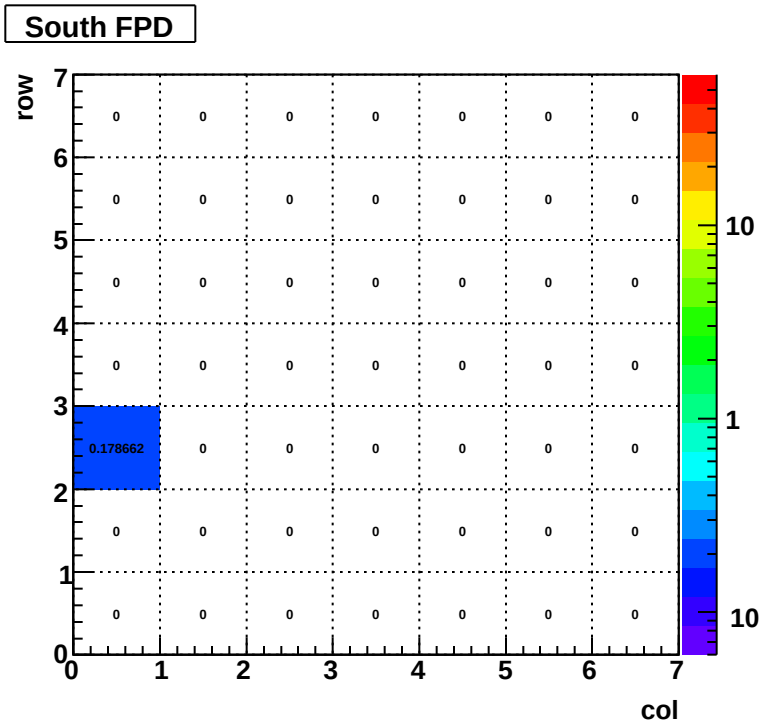
(2) Energy=29.151670 Y=-3.566641 Phi=3.075485

M12=0.603 Y12=-3.748 Phi12=-3.123 E12=63.942

SumN(-) = 15 SumN(+)= 26 AN/.6=0.447







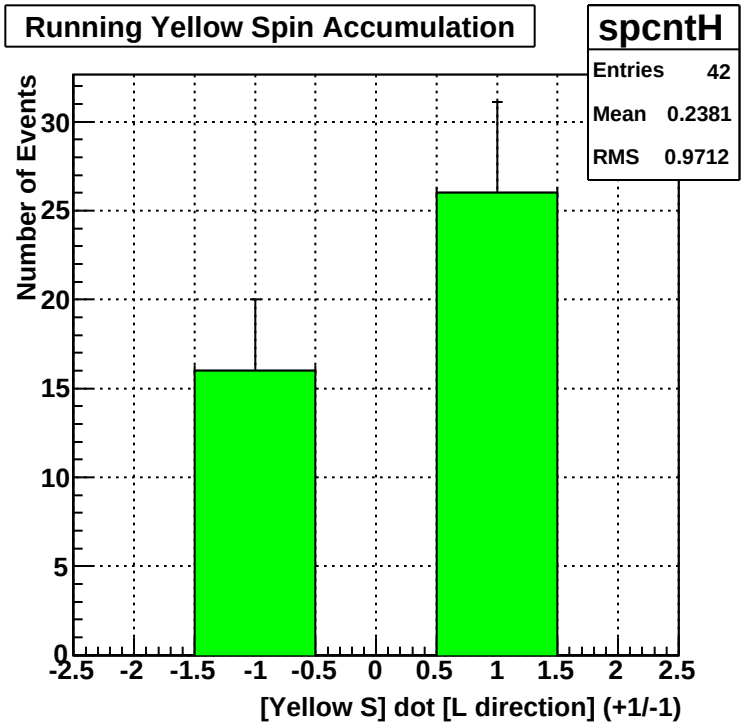
42) Rnum=7118078 EventN=7501509 (3 Yu-S[-])

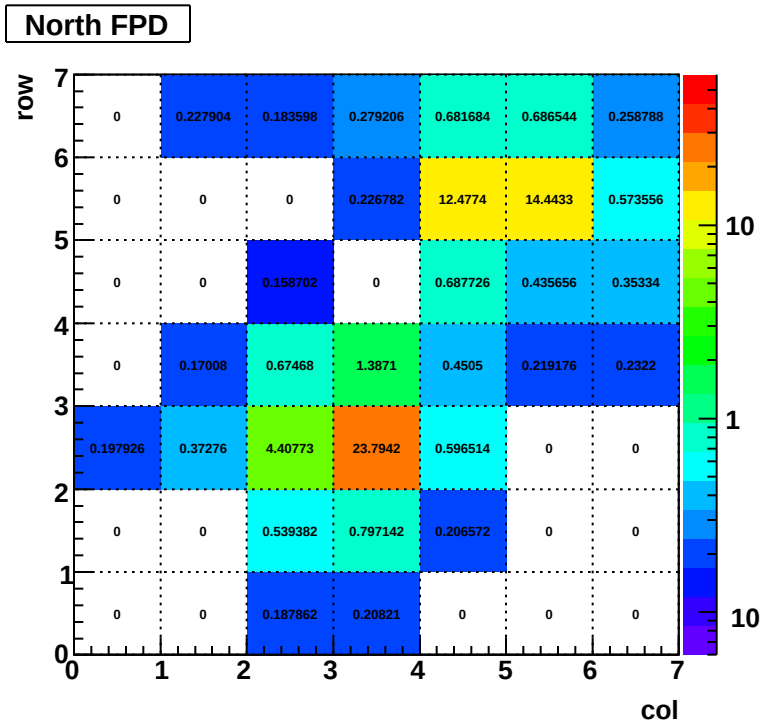
(1) Energy=32.927078 Y=-3.628039 Phi=3.048596

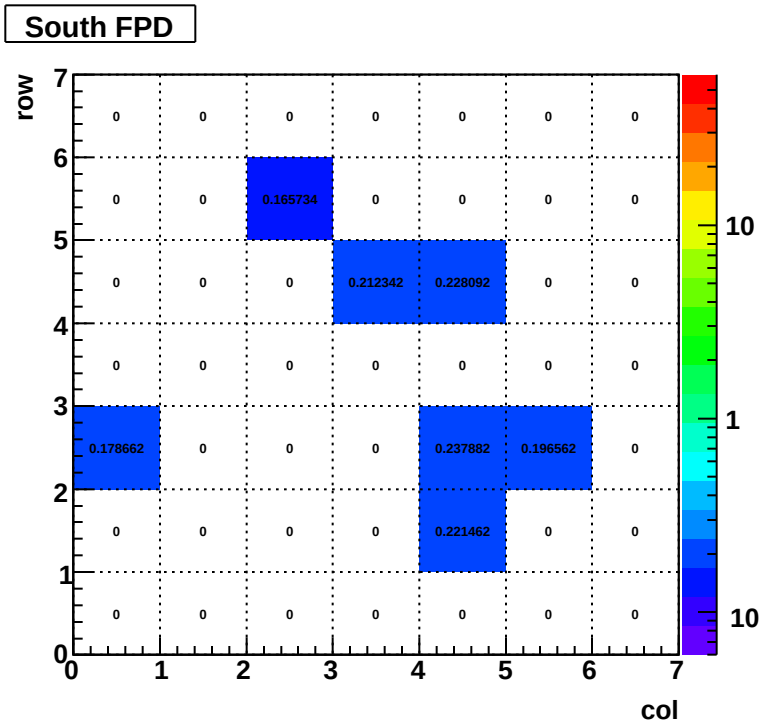
(2) Energy=29.550407 Y=-3.472729 Phi=-2.999232

M12=0.504 Y12=-3.558 Phi12=-3.114 E12=62.477

SumN(-) = 16 SumN(+)= 26 AN/.6=0.397







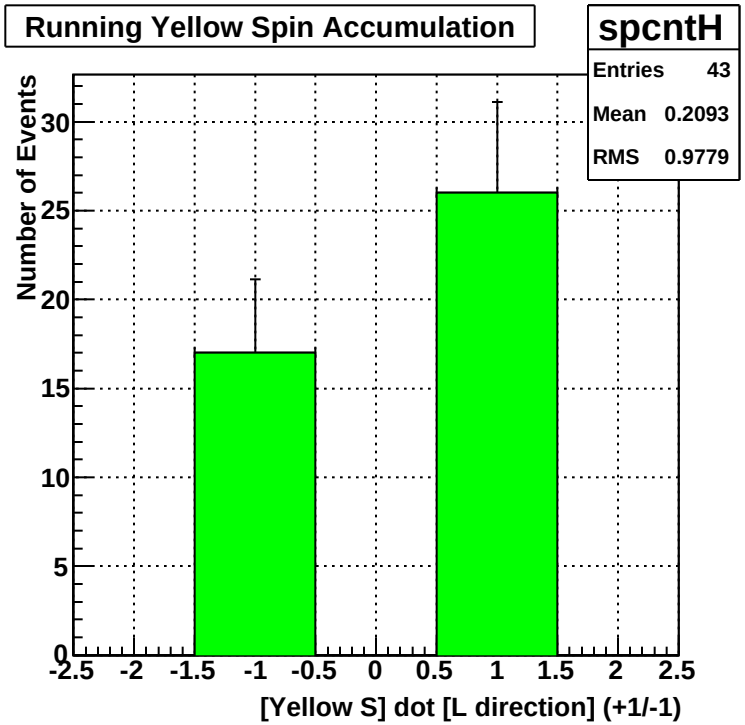
43) Rnum=7118082 EventN=100419 (1 Yu-S[-])

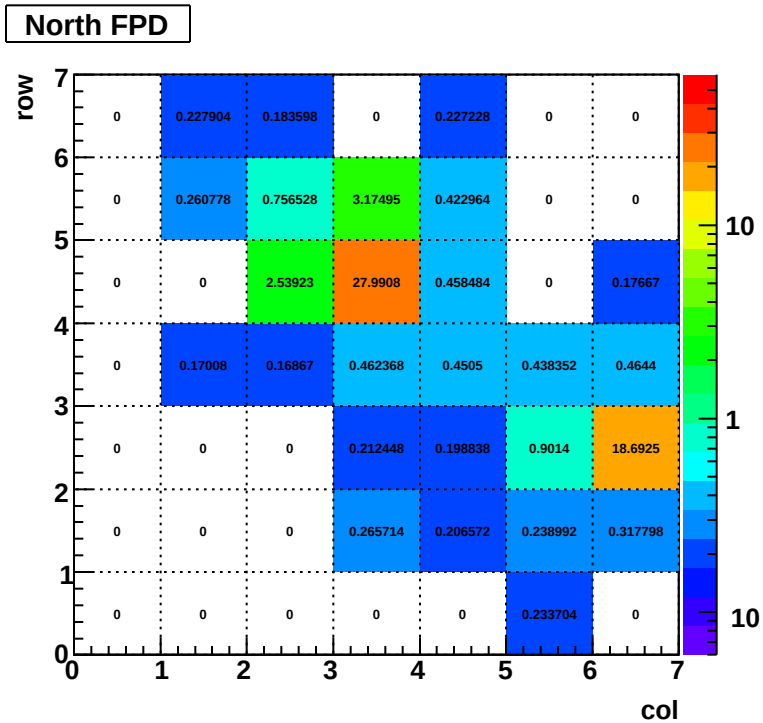
(1) Energy=37.460640 Y=-3.617145 Phi=-3.047185

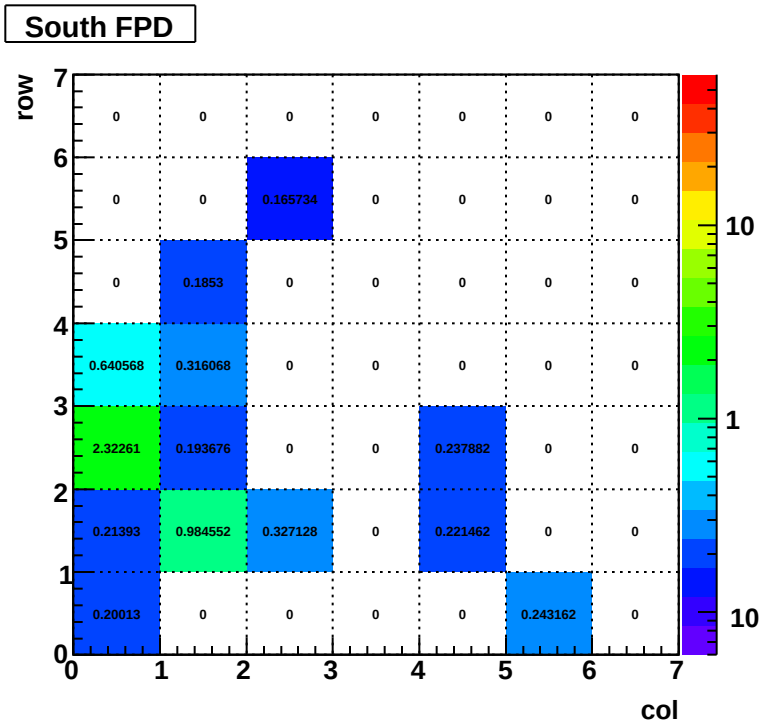
(2) Energy=28.113630 Y=-3.369427 Phi=3.065803

M12=0.593 Y12=-3.507 Phi12=-3.131 E12=65.574

SumN(-) = 17 SumN(+)= 26 AN/.6=0.349







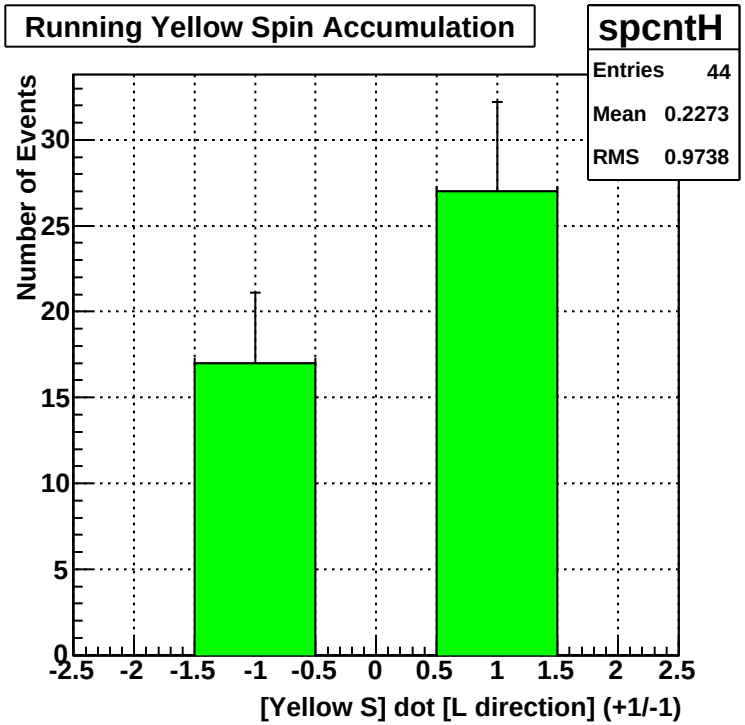
44) Rnum=7118083 EventN=2204381 (2 Yd-S[+])

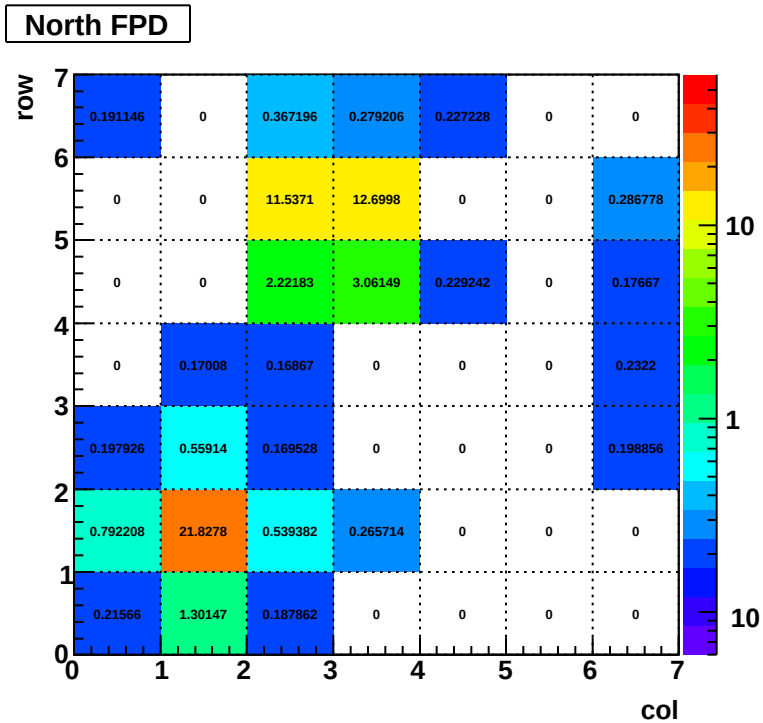
(1) Energy=28.474787 Y=-3.770728 Phi=2.910964

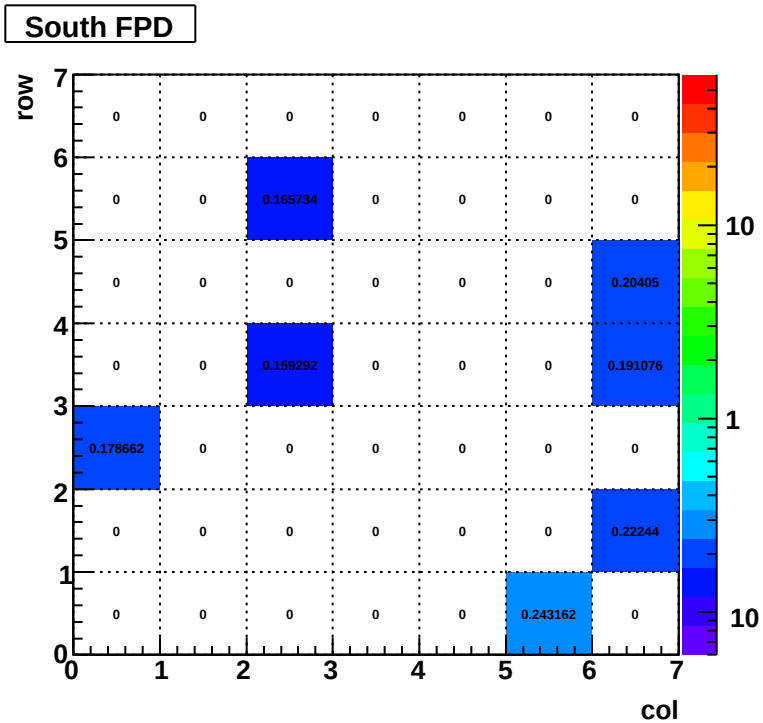
(2) Energy=32.033352 Y=-3.638832 Phi=-3.003721

M12=0.578 Y12=-3.716 Phi12=3.118 E12=60.508

SumN(-) = 17 SumN(+)= 27 AN/.6=0.379







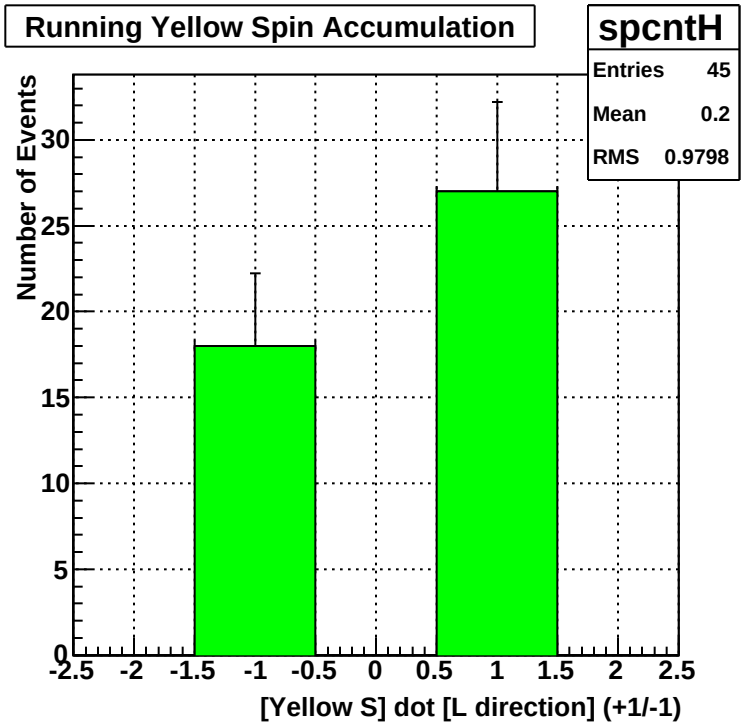
45) Rnum=7118084 EventN=2503332 (0 Yd-N[-])

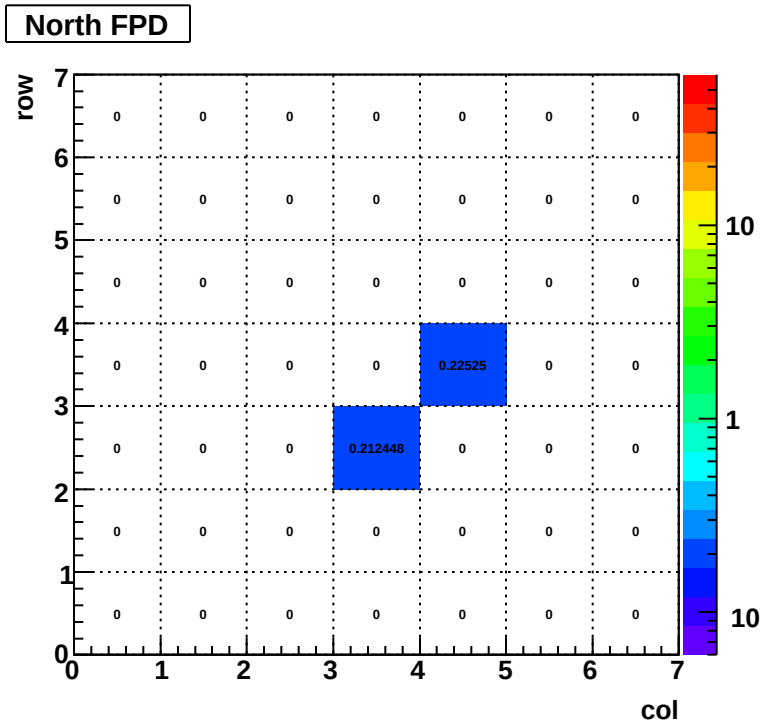
(1) Energy=35.022308 Y=-3.429619 Phi=0.039305

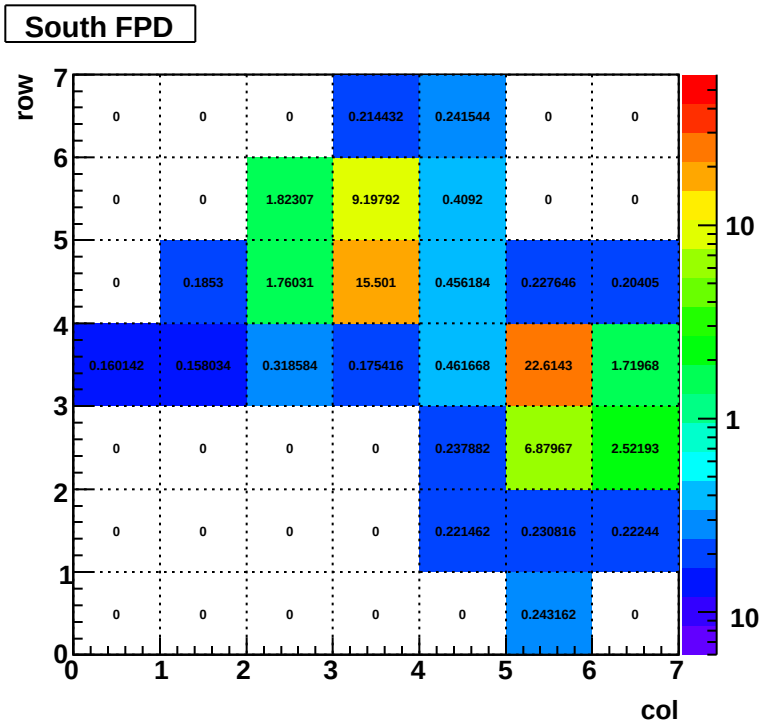
(2) Energy=30.231323 Y=-3.618273 Phi=-0.115429

M12=0.468 Y12=-3.516 Phi12=-0.025 E12=65.254

SumN(-) = 18 SumN(+)= 27 AN/.6=0.333







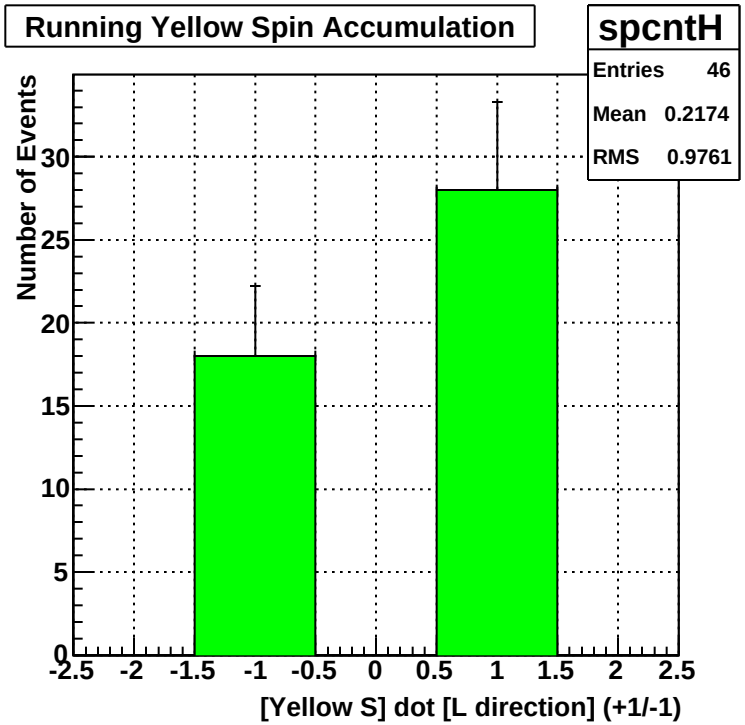
46) Rnum=7118085 EventN=3309303 (3 Yu-N[+])

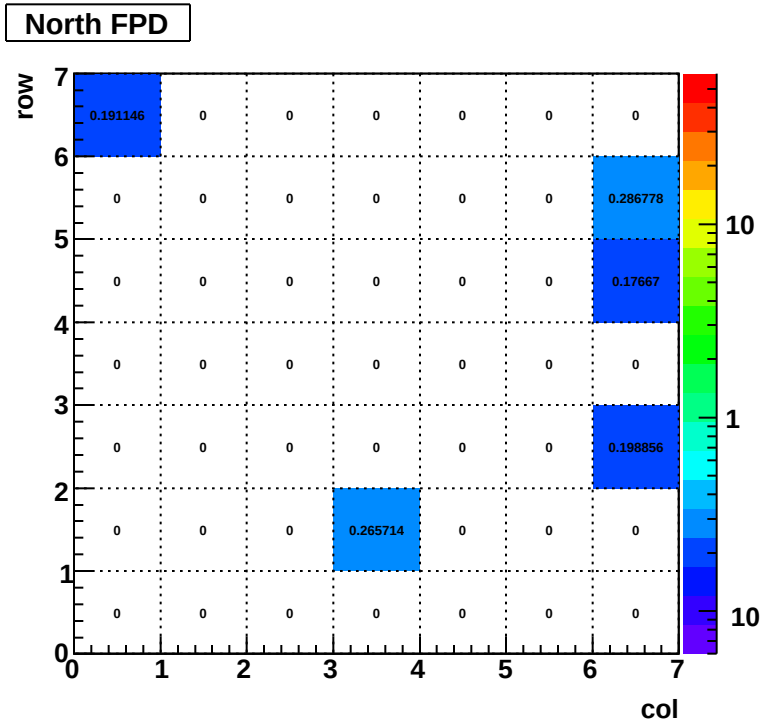
(1) Energy=37.745022 Y=-3.929595 Phi=0.054864

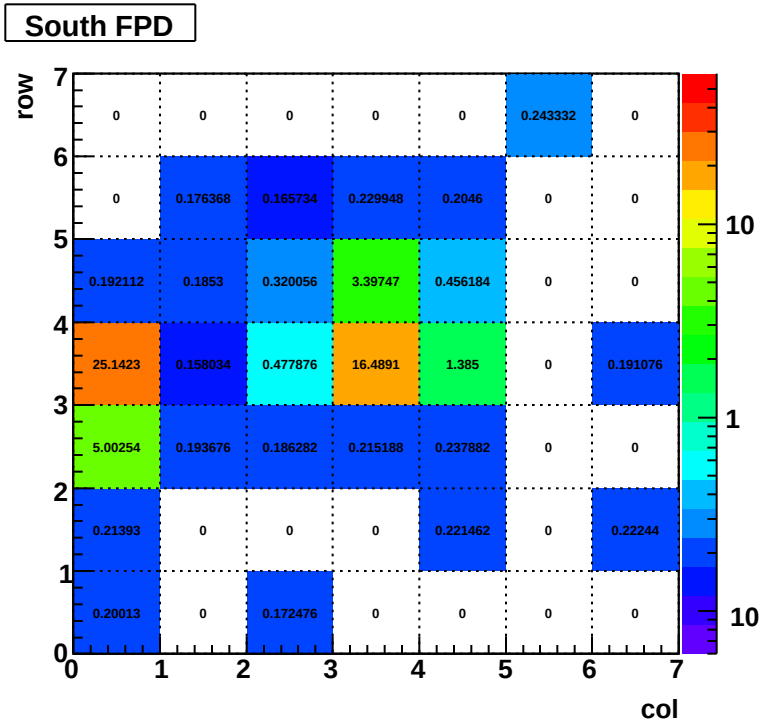
(2) Energy=23.435905 Y=-3.594532 Phi=-0.014873

M12=0.475 Y12=-3.788 Phi12=0.022 E12=61.181

SumN(-) = 18 SumN(+)= 28 AN/.6=0.362







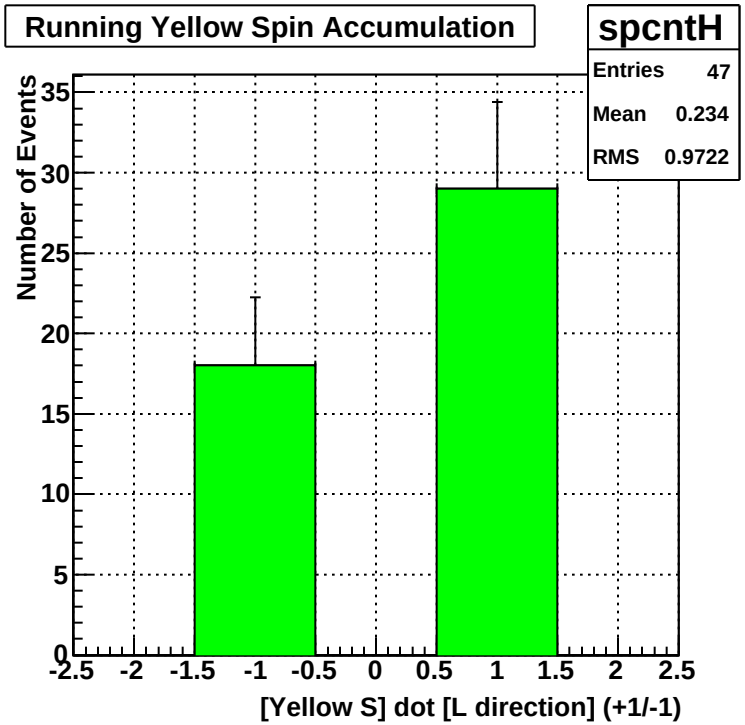
47) Rnum=7118092 EventN=608049 (1 Yu-N[+])

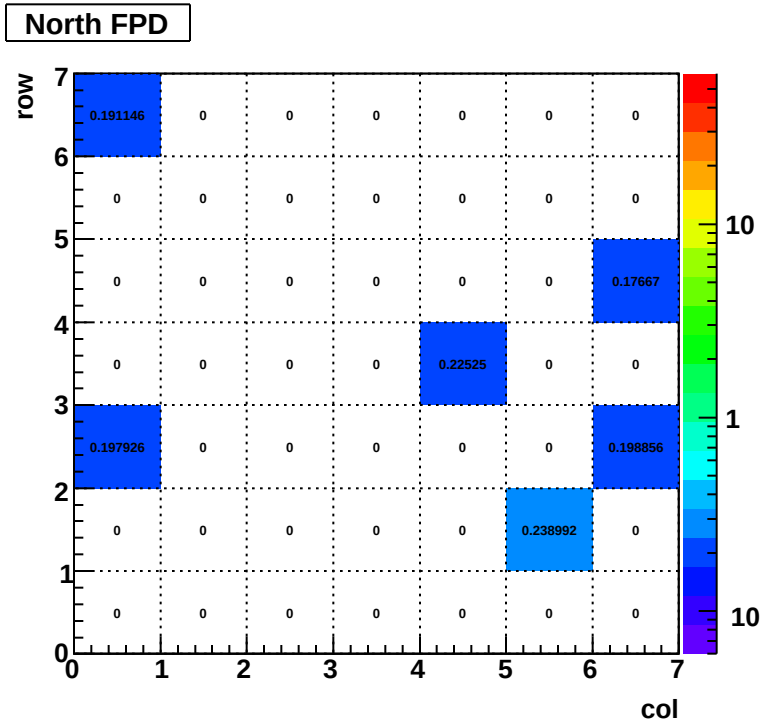
(1) Energy=42.568939 Y=-3.775448 Phi=-0.187684

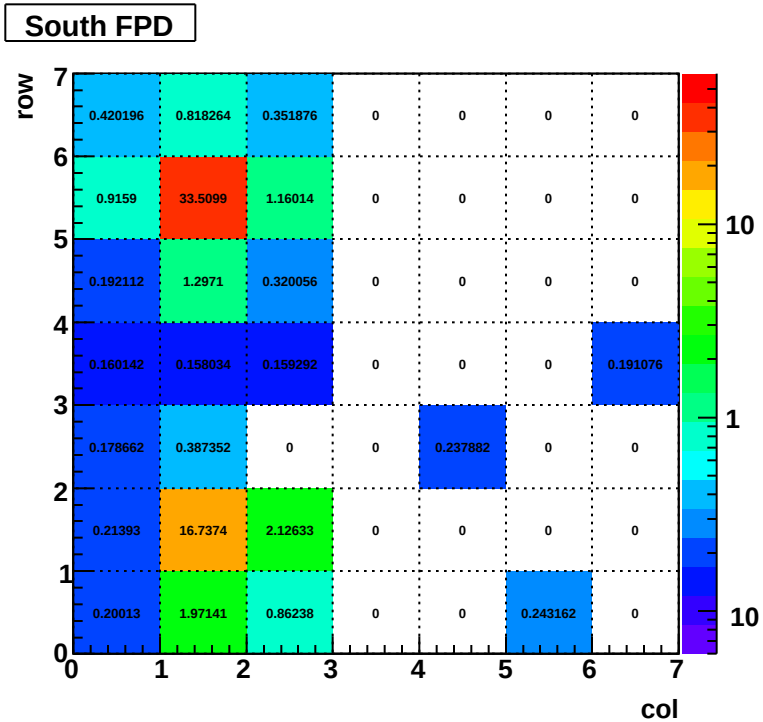
(2) Energy=24.423471 Y=-3.739820 Phi=0.239242

M12=0.640 Y12=-3.784 Phi12=-0.029 E12=66.992

SumN(-) = 18 SumN(+)= 29 AN/.6=0.390







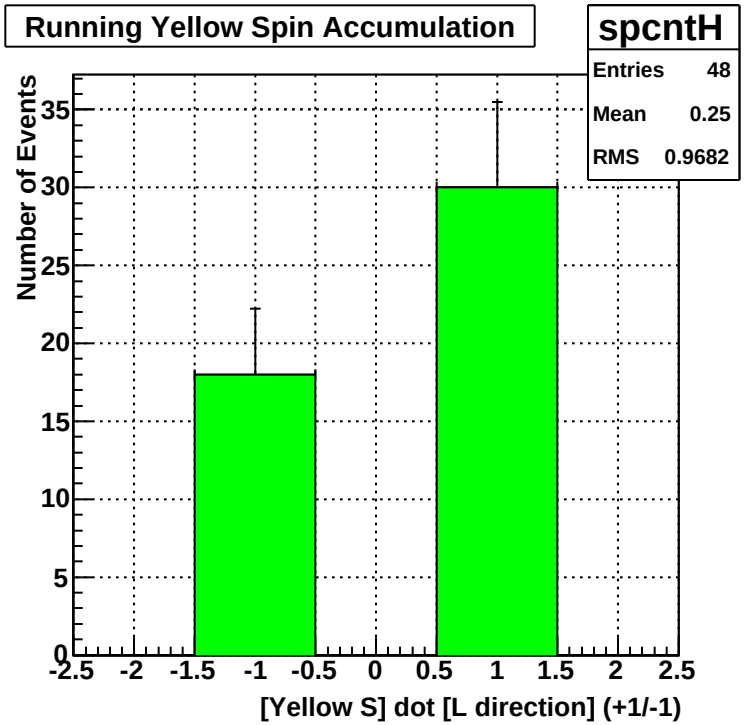
48) Rnum=7119001 EventN=2109929 (1 Yu-N[+])

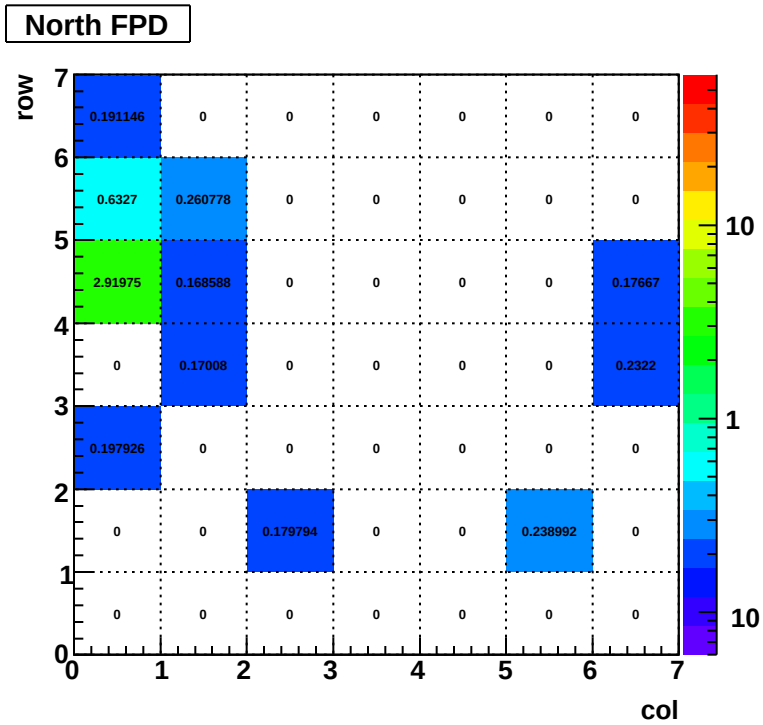
(1) Energy=34.693935 Y=-3.914924 Phi=0.015161

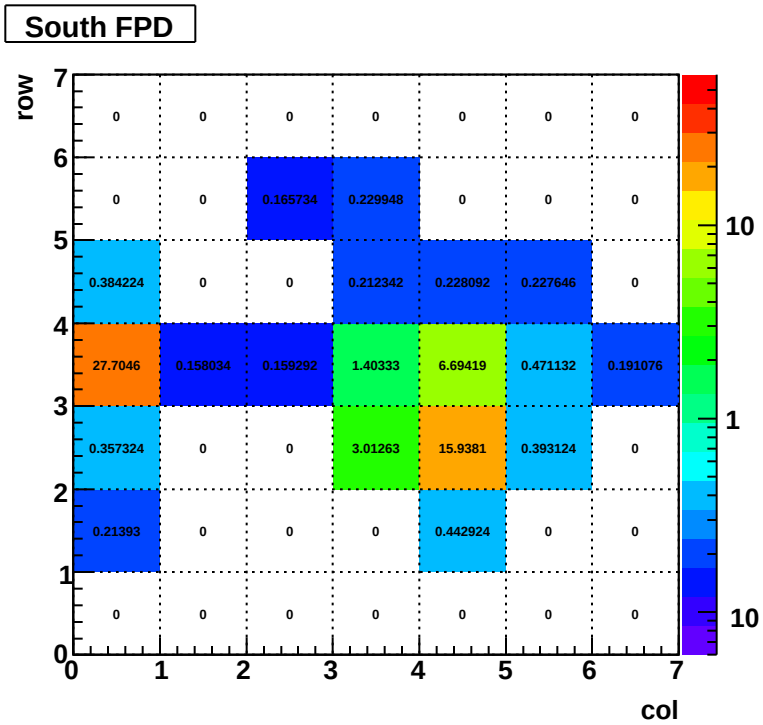
(2) Energy=27.704330 Y=-3.543445 Phi=0.059461

M12=0.560 Y12=-3.733 Phi12=0.039 E12=62.398

SumN(-) = 18 SumN(+)= 30 AN/.6=0.417







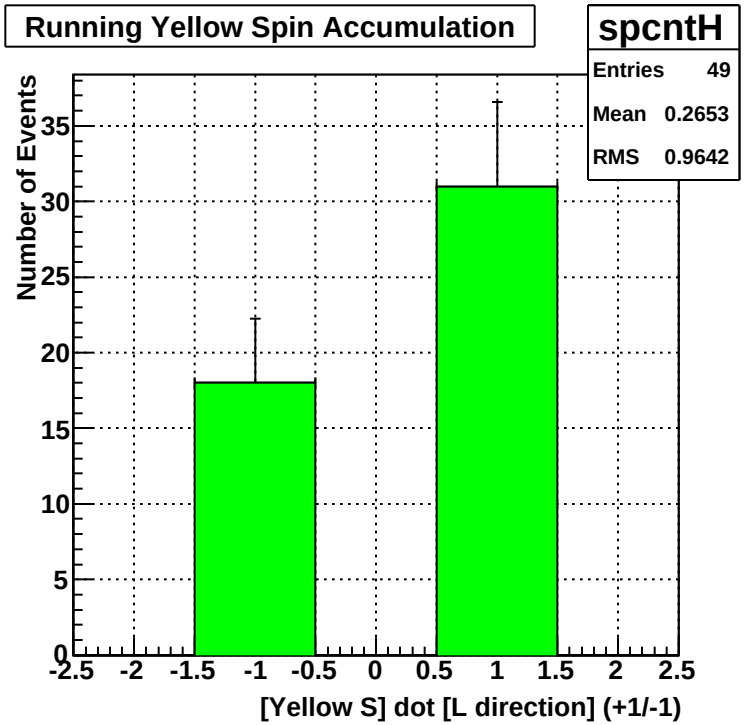
49) Rnum=7119004 EventN=4502344 (1 Yu-N[+])

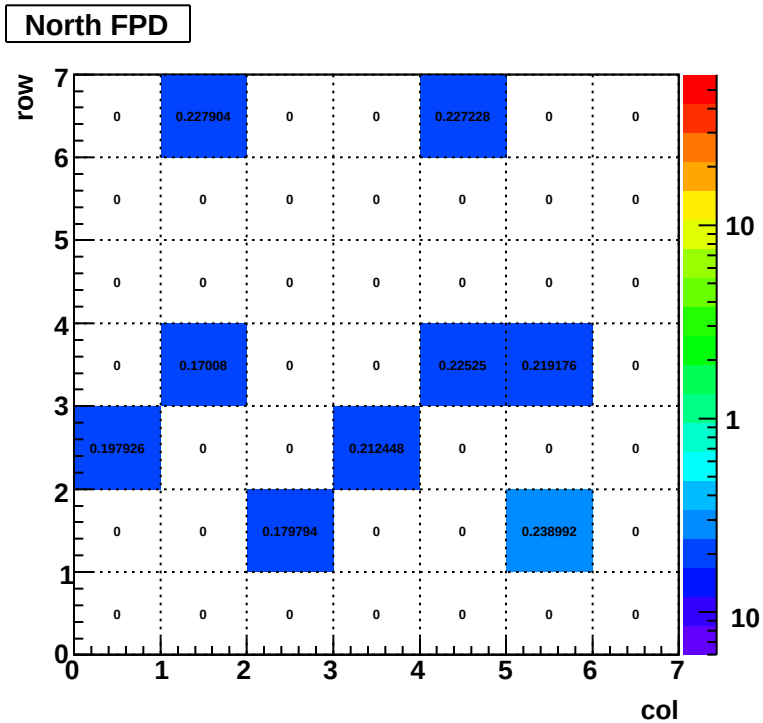
(1) Energy=36.554817 Y=-3.705160 Phi=-0.082426

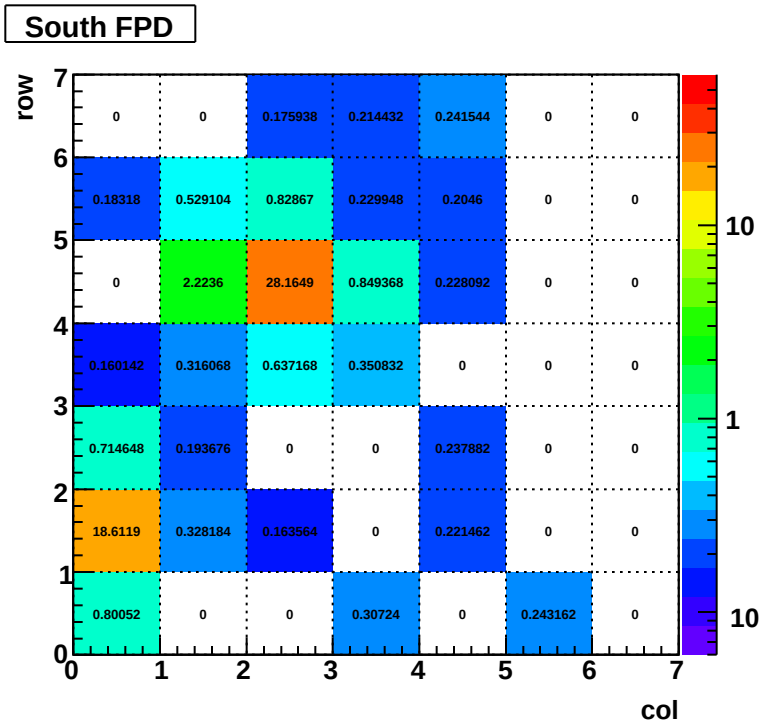
(2) Energy=24.216955 Y=-3.890986 Phi=0.254425

M12=0.511 Y12=-3.788 Phi12=0.037 E12=60.772

SumN(-) = 18 SumN(+)= 31 AN/.6=0.442







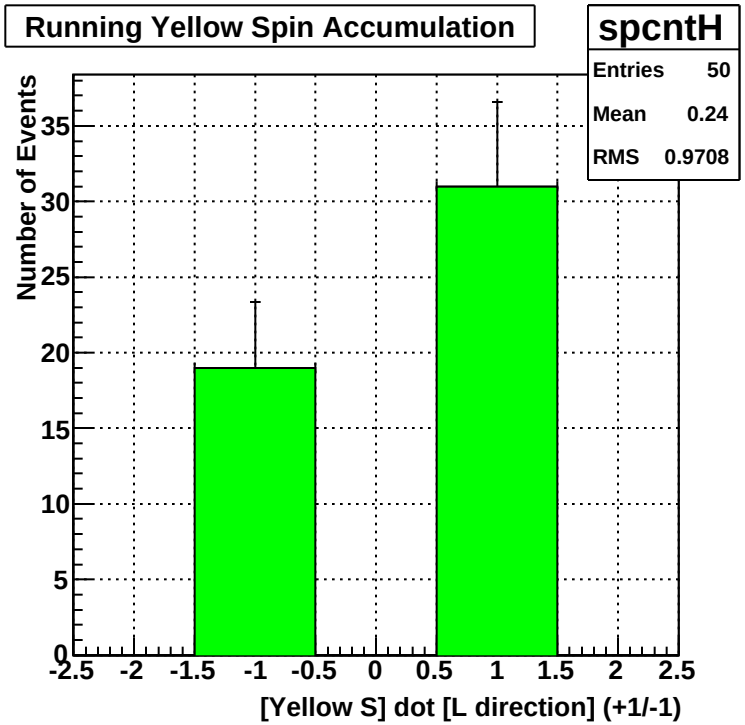
50) Rnum=7119017 EventN=305345 (2 Yd-N[-])

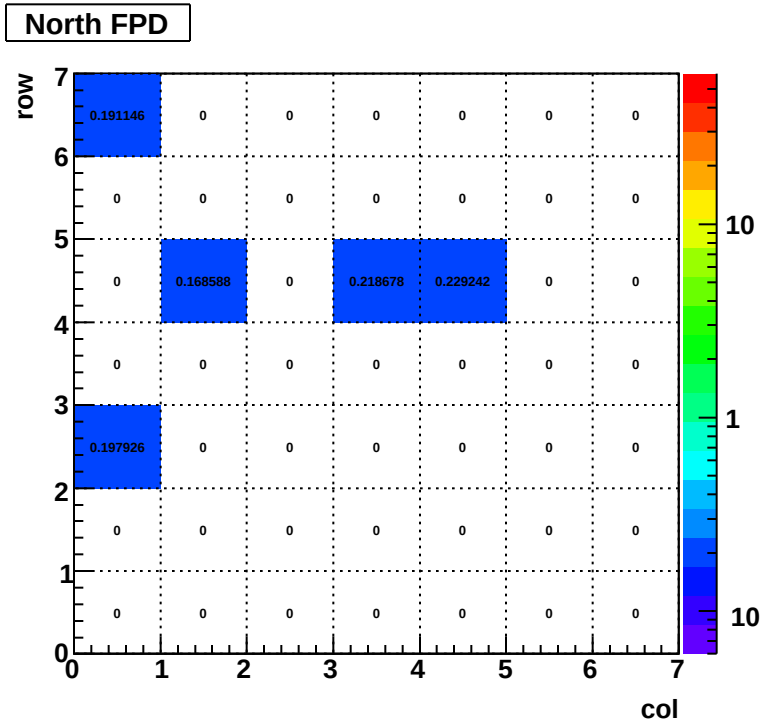
(1) Energy=40.667583 Y=-3.705260 Phi=0.187023

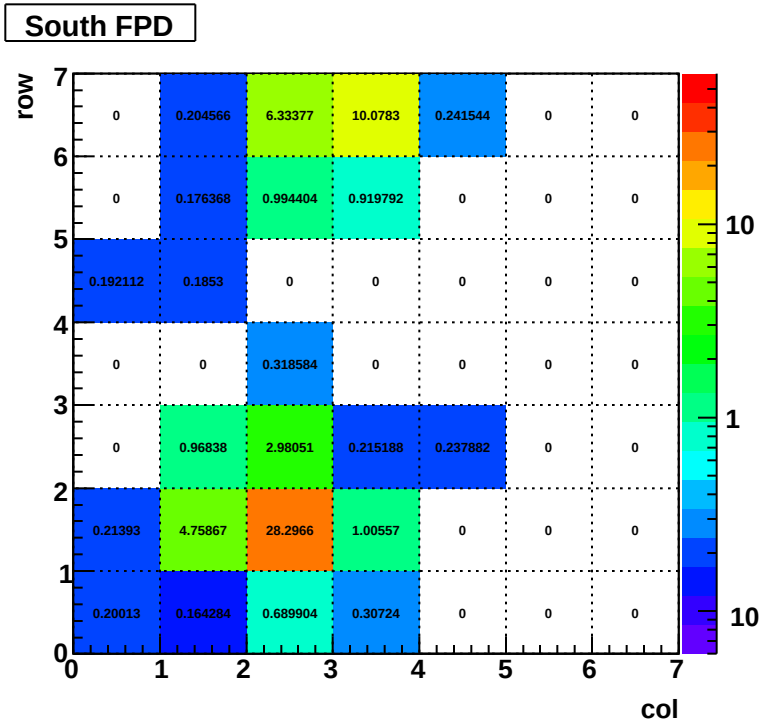
(2) Energy=20.163269 Y=-3.618178 Phi=-0.236141

M12=0.631 Y12=-3.696 Phi12=0.039 E12=60.831

SumN(-) = 19 SumN(+)= 31 AN/.6=0.400







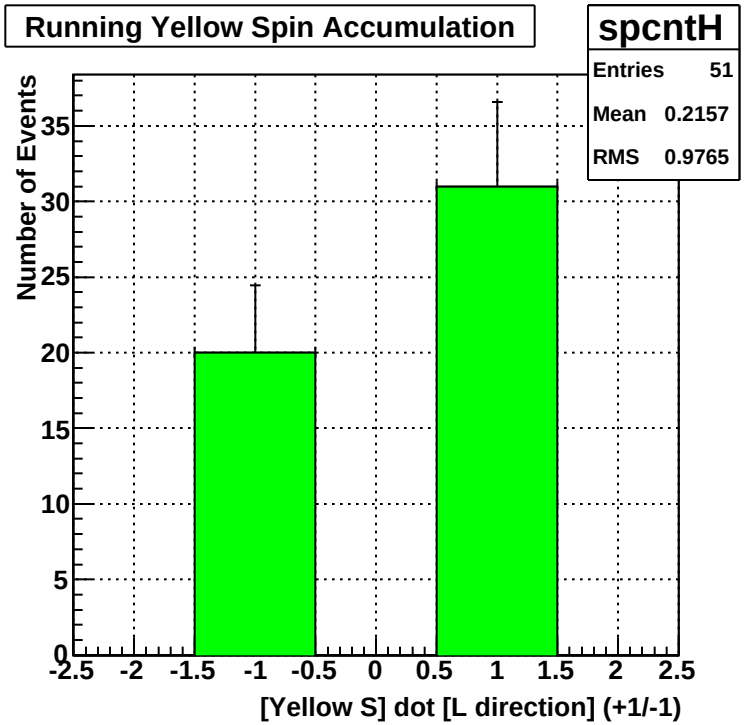
51) Rnum=7119019 EventN=5208234 (2 Yd-N[-])

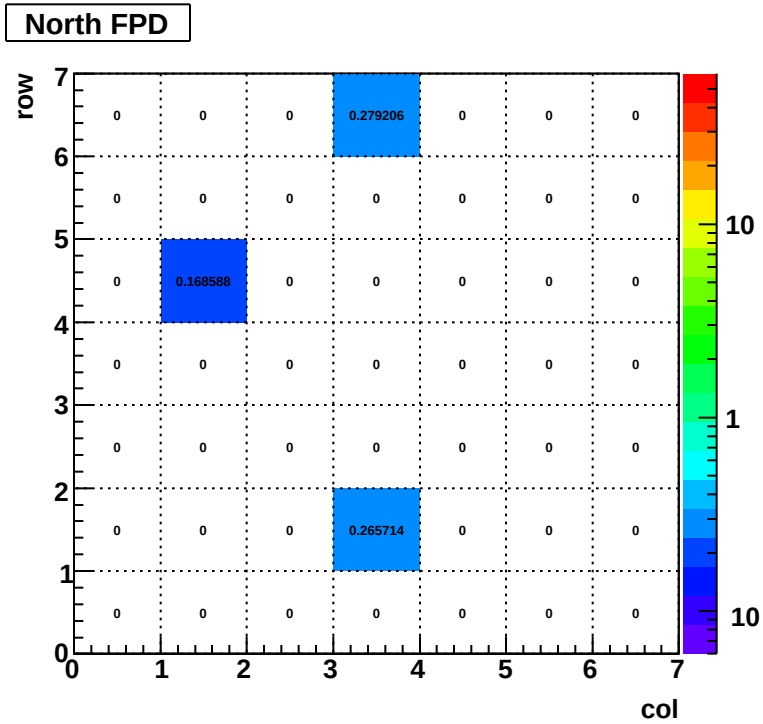
(1) Energy=52.569202 Y=-3.699848 Phi=-0.000016

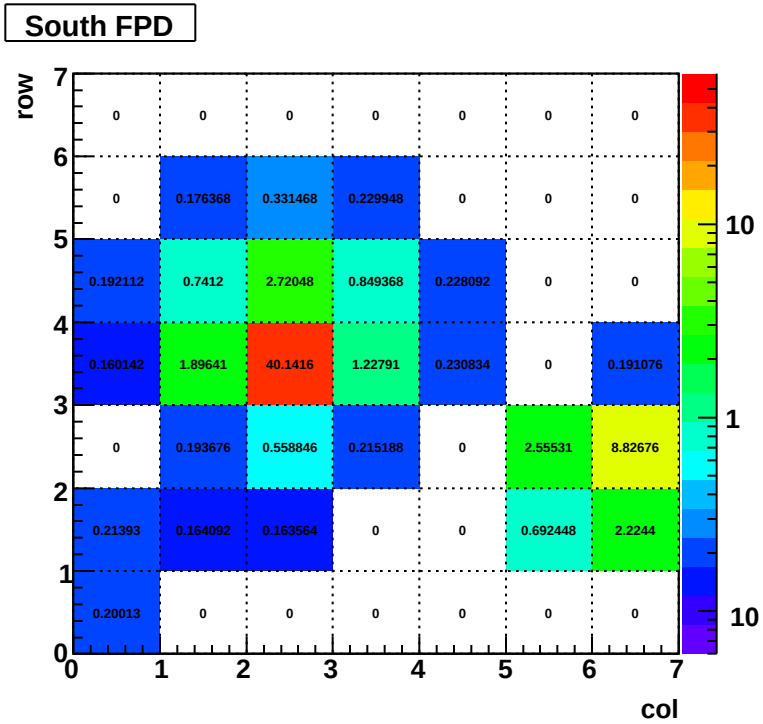
(2) Energy=15.172534 Y=-3.393528 Phi=0.107887

M12=0.530 Y12=-3.624 Phi12=0.030 E12=67.742

SumN(-) = 20 SumN(+)= 31 AN/.6=0.359







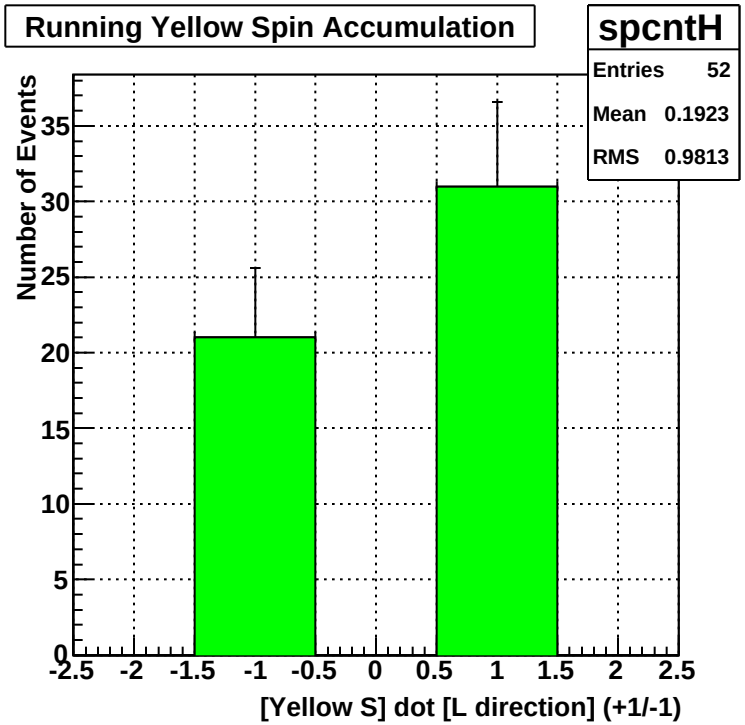
52) Rnum=7119019 EventN=5305086 (3 Yu-S[-])

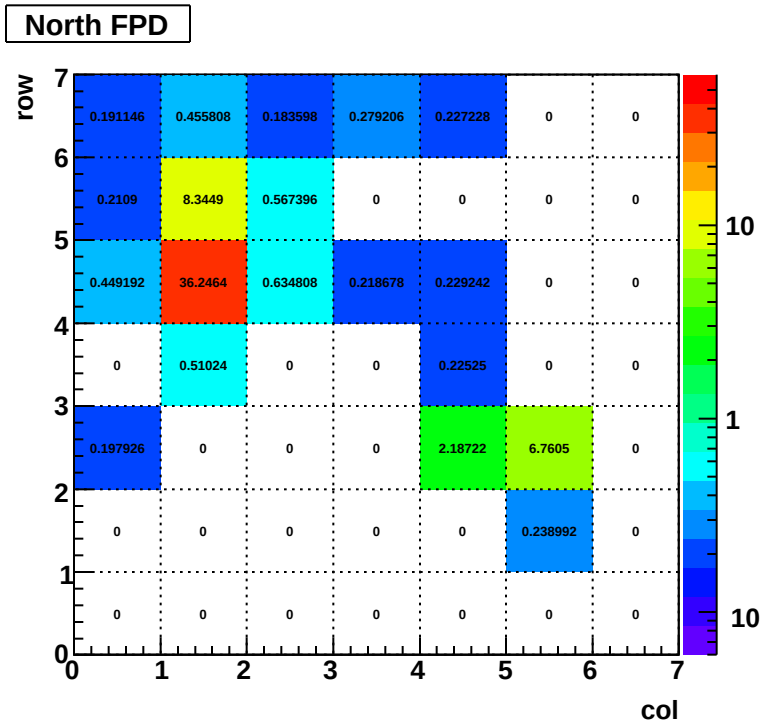
(1) Energy=51.169041 Y=-3.783582 Phi=-3.020473

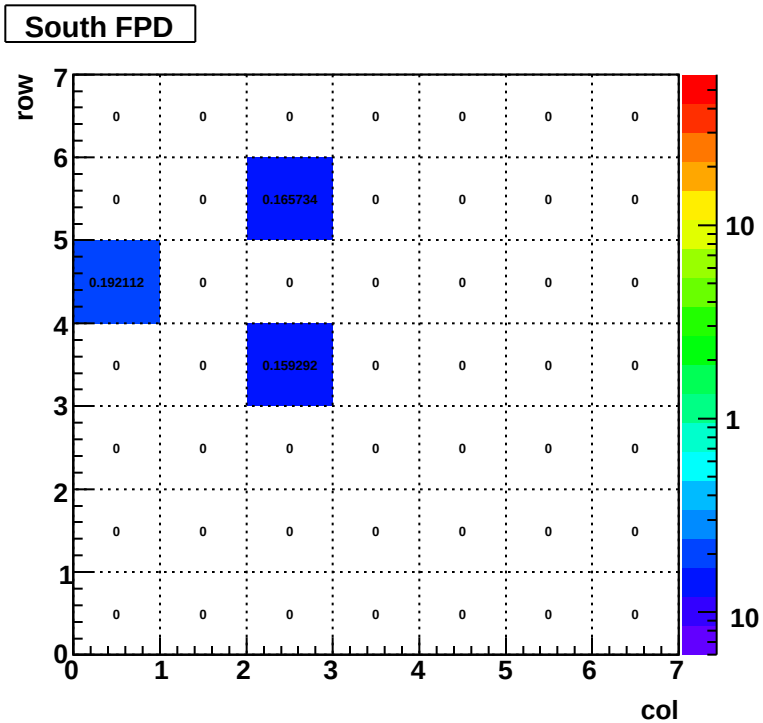
(2) Energy=10.112996 Y=-3.471420 Phi=3.058119

M12=0.452 Y12=-3.728 Phi12=-3.064 E12=61.282

SumN(-) = 21 SumN(+)= 31 AN/.6=0.321







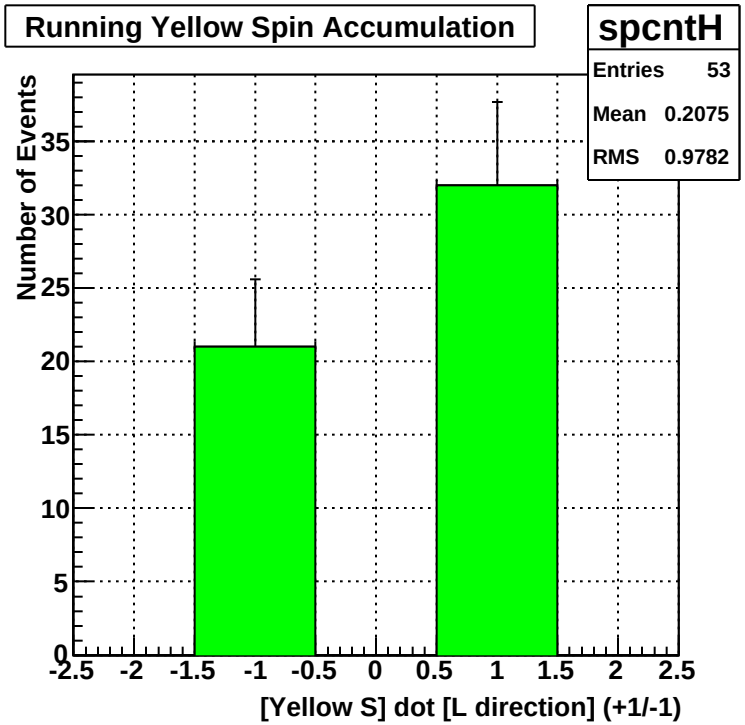
53) Rnum=7119019 EventN=5404232 (1 Yu-N[+])

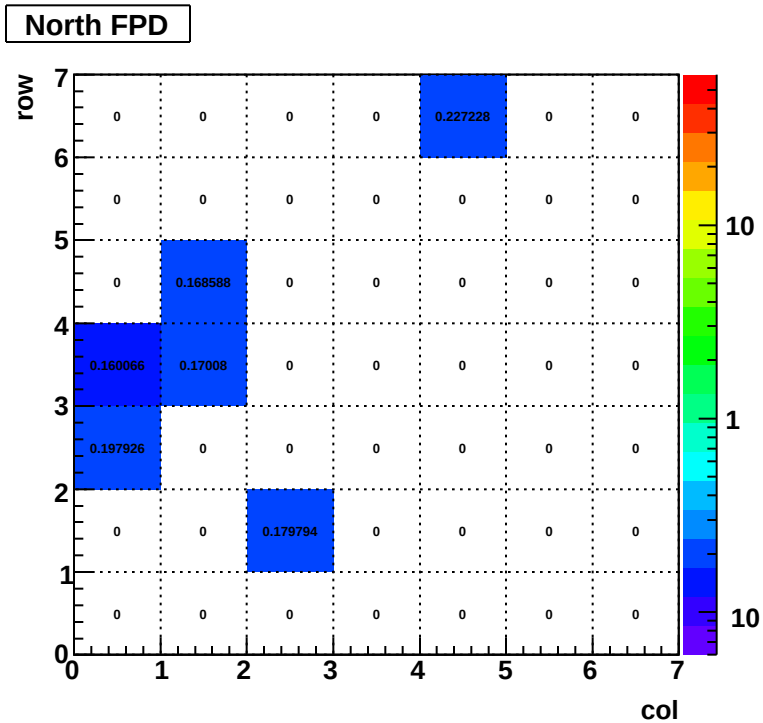
(1) Energy=53.932564 Y=-3.780277 Phi=-0.107846

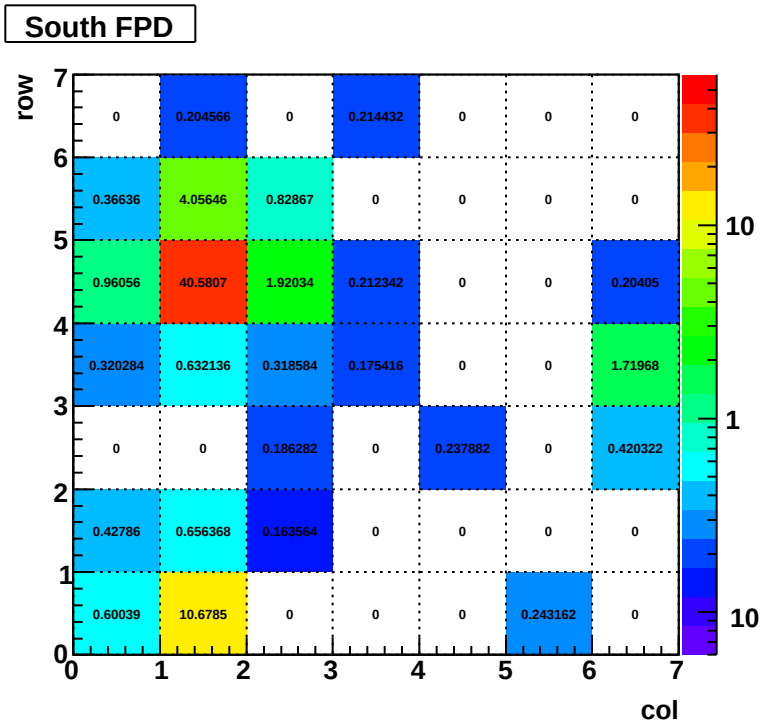
(2) Energy=14.623115 Y=-3.752884 Phi=0.311780

M12=0.542 Y12=-3.789 Phi12=-0.018 E12=68.556

SumN(-) = 21 SumN(+)= 32 AN/.6=0.346







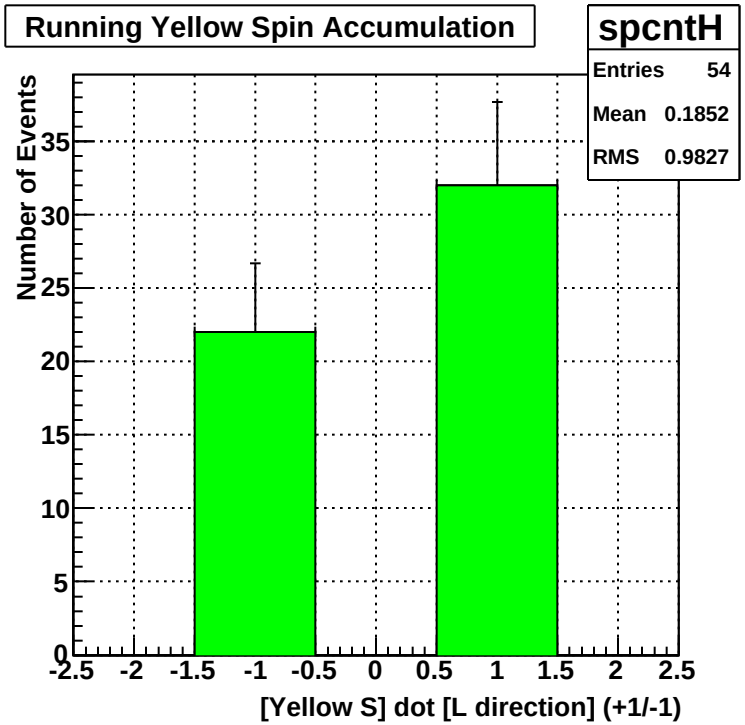
54) Rnum=7119019 EventN=700632 (0 Yd-N[-])

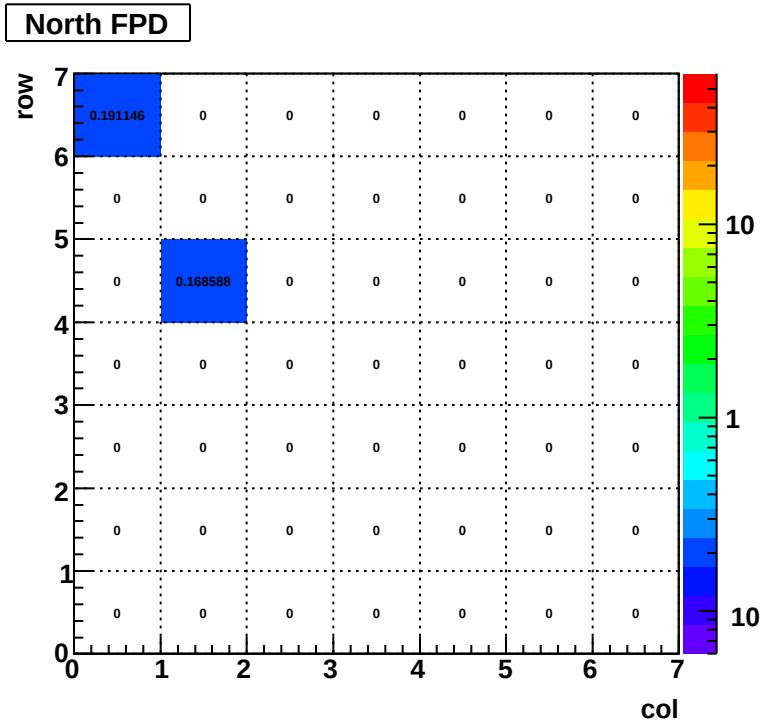
(1) Energy=44.824612 Y=-3.554809 Phi=0.159892

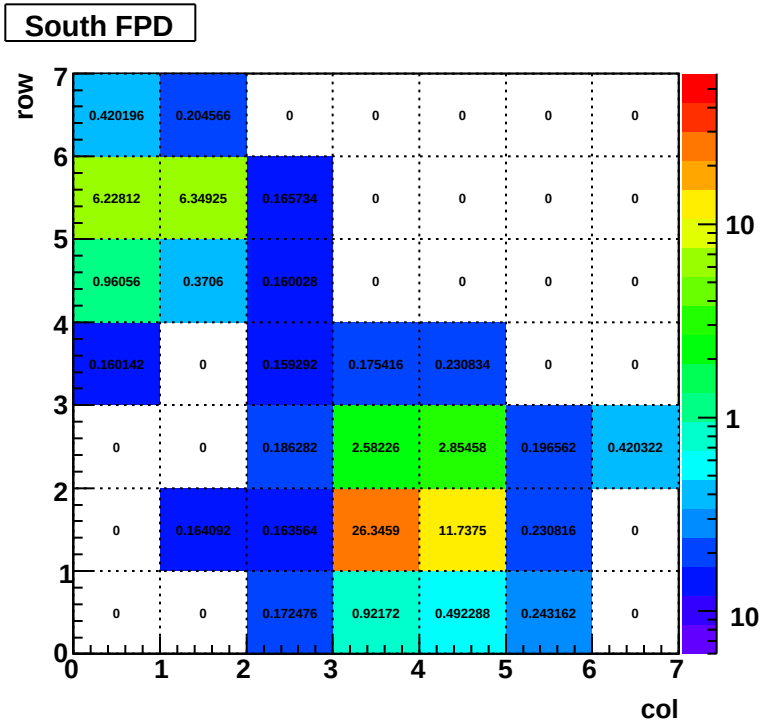
(2) Energy=15.176285 Y=-3.829744 Phi=-0.190743

M12=0.578 Y12=-3.628 Phi12=0.089 E12=60.001

SumN(-) = 22 SumN(+)= 32 AN/.6=0.309







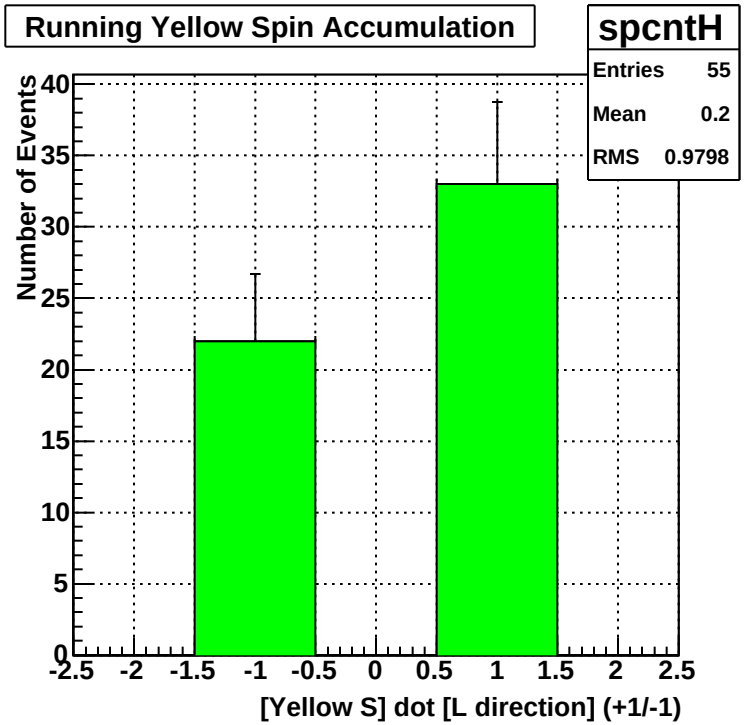
55) Rnum=7119019 EventN=2307858 (2 Yd-S[+])

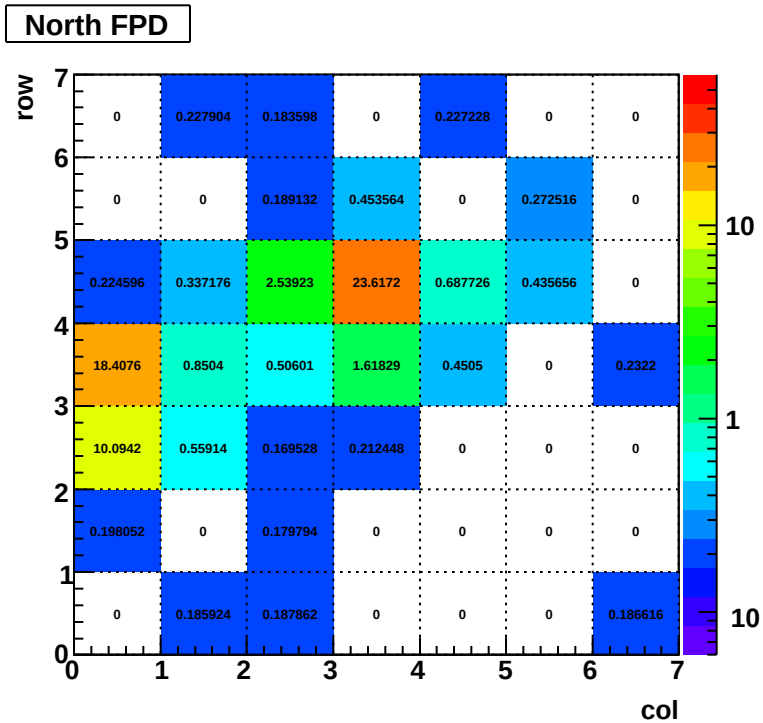
(1) Energy=30.745785 Y=-3.622128 Phi=-3.078376

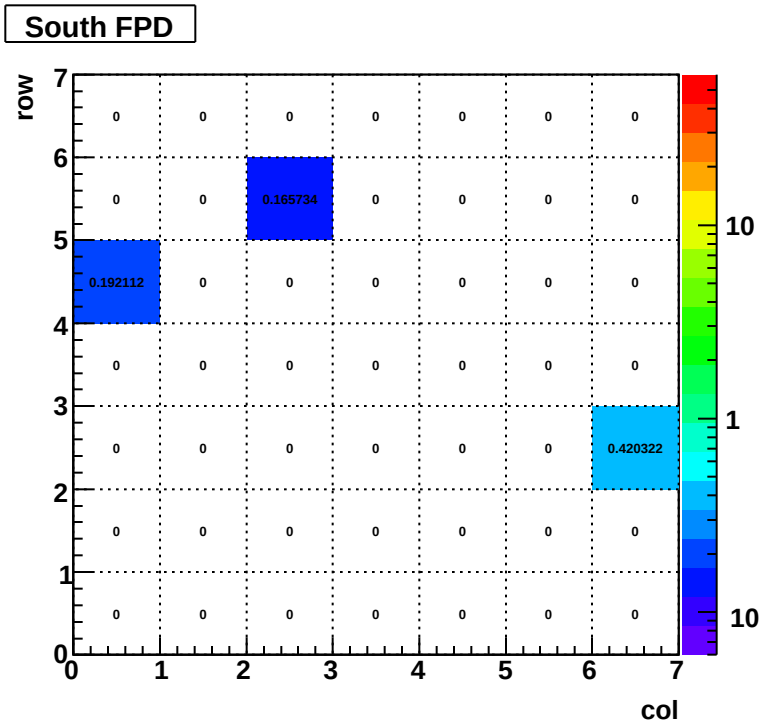
(2) Energy=34.739555 Y=-3.910195 Phi=3.071740

M12=0.481 Y12=-3.767 Phi12=-3.139 E12=65.485

SumN(-) = 22 SumN(+)= 33 AN/.6=0.333







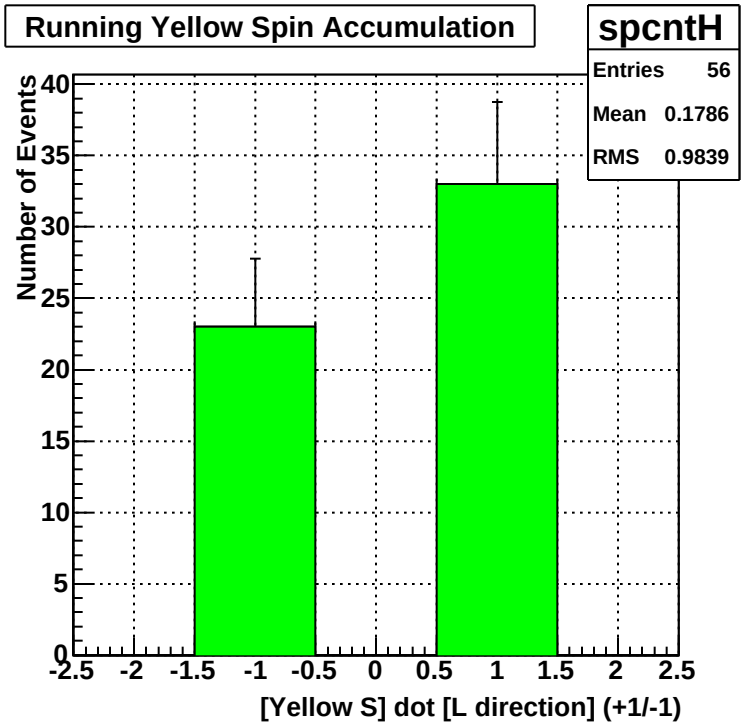
56) Rnum=7119020 EventN=6201015 (2 Yd-N[-])

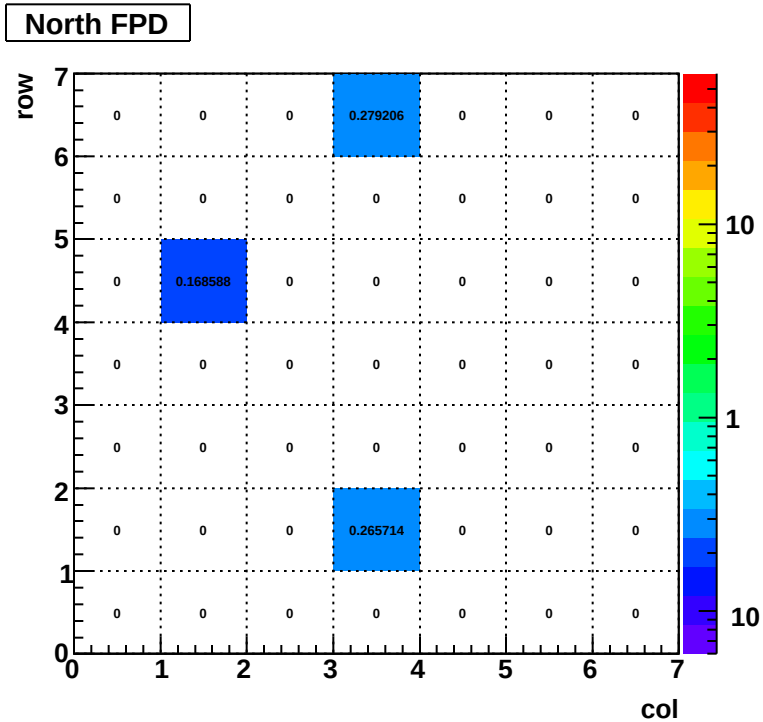
(1) Energy=51.741642 Y=-3.805622 Phi=0.132310

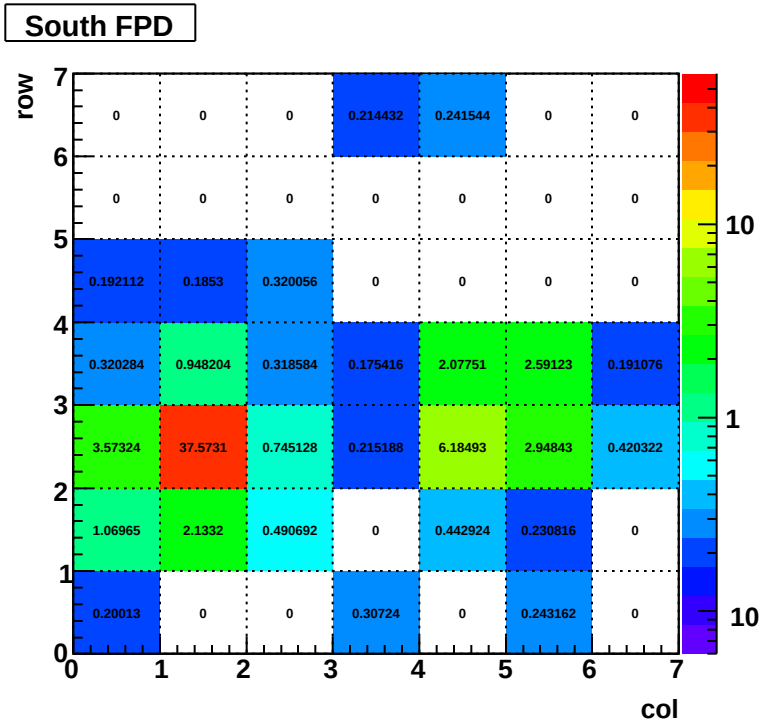
(2) Energy=14.060762 Y=-3.484635 Phi=0.055773

M12=0.467 Y12=-3.728 Phi12=0.111 E12=65.802

SumN(-) = 23 SumN(+)= 33 AN/.6=0.298







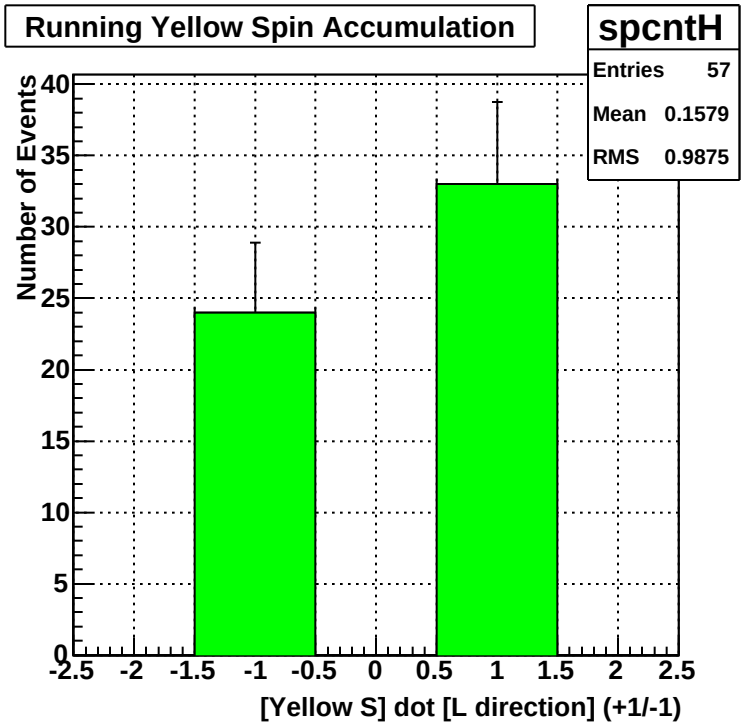
57) Rnum=7119020 EventN=6805449 (0 Yd-N[-])

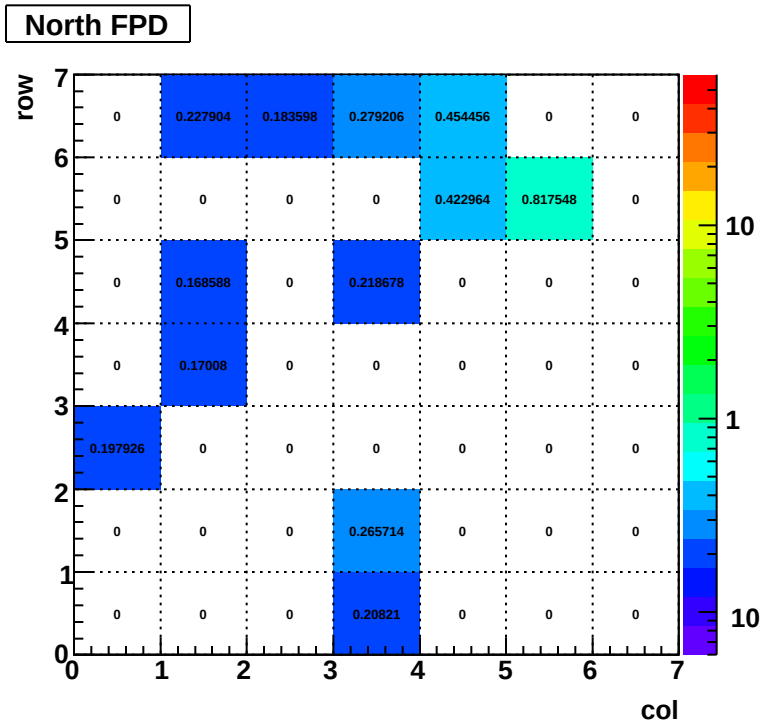
(1) Energy=48.695583 Y=-3.784733 Phi=0.156090

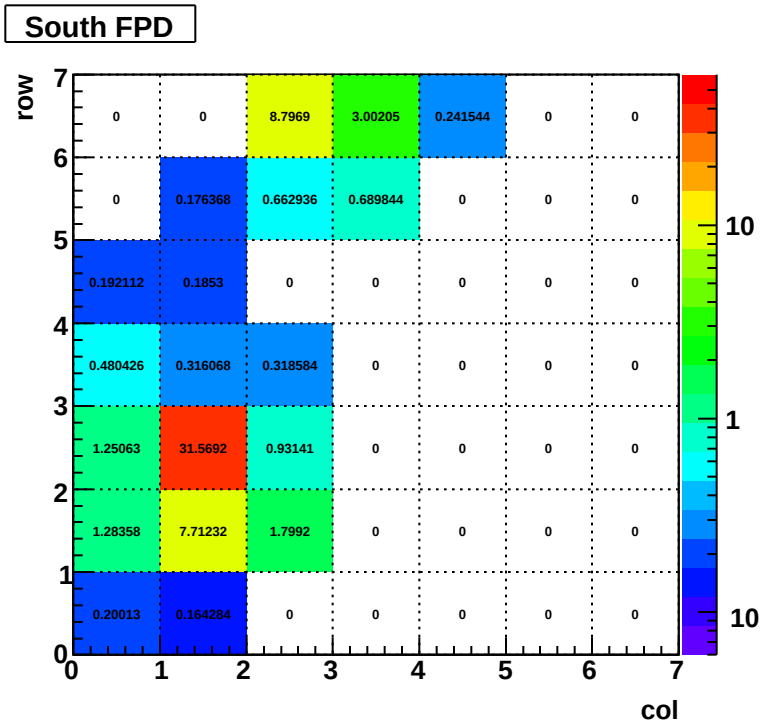
(2) Energy=14.660529 Y=-3.628579 Phi=-0.244653

M12=0.561 Y12=-3.762 Phi12=0.053 E12=63.356

SumN(-) = 24 SumN(+)= 33 AN/.6=0.263







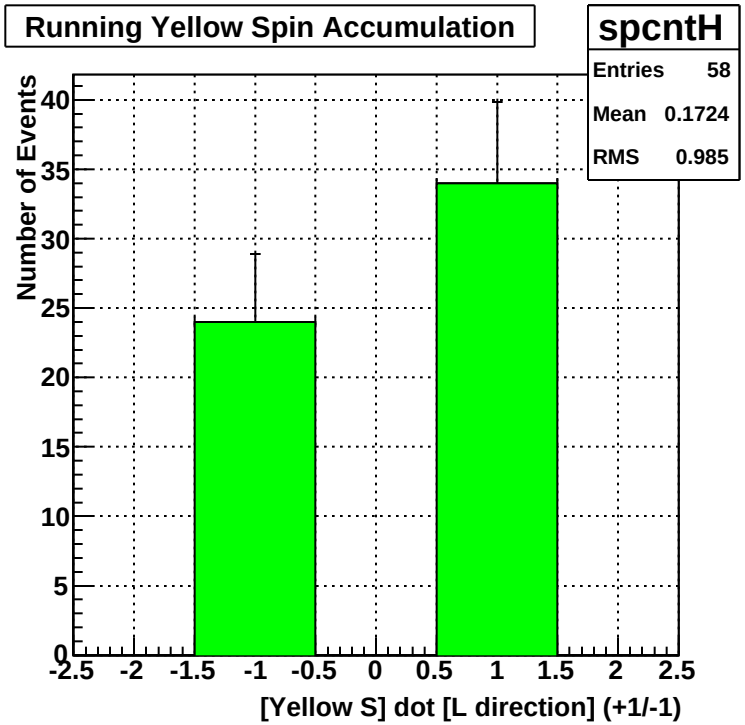
58) Rnum=7119020 EventN=7209832 (1 Yu-N[+])

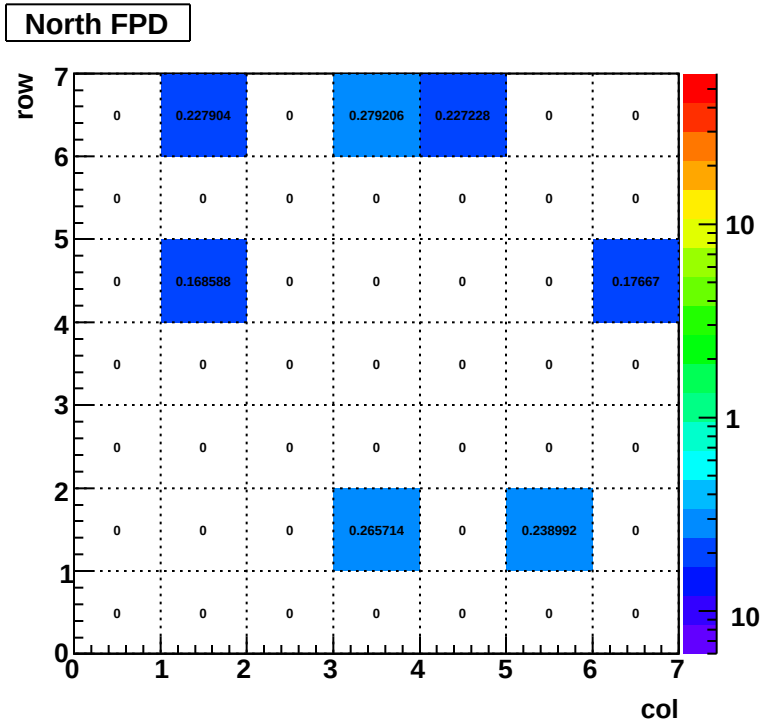
(1) Energy=48.898212 Y=-3.783282 Phi=0.075945

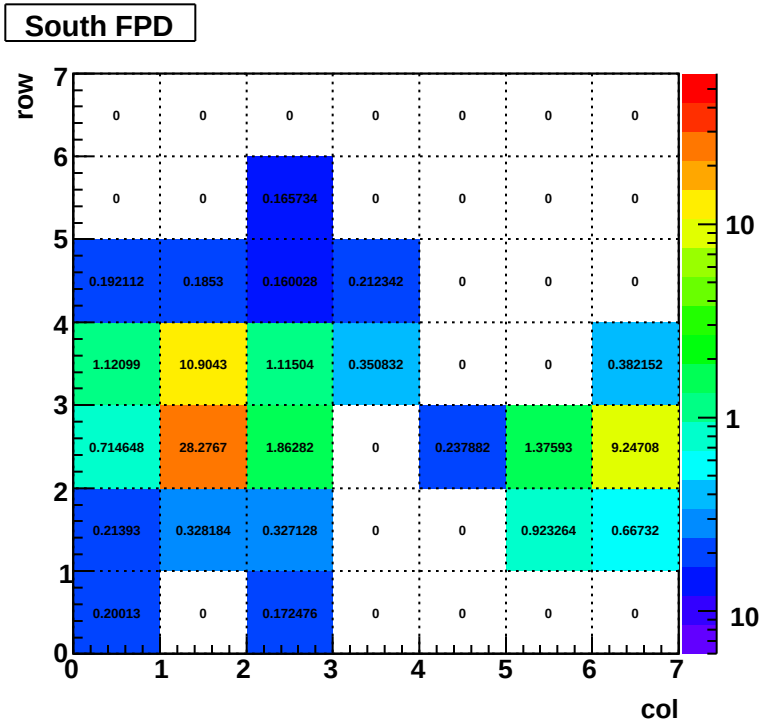
(2) Energy=12.622228 Y=-3.390281 Phi=0.096056

M12=0.544 Y12=-3.689 Phi12=0.082 E12=61.520

SumN(-) = 24 SumN(+)= 34 AN/.6=0.287







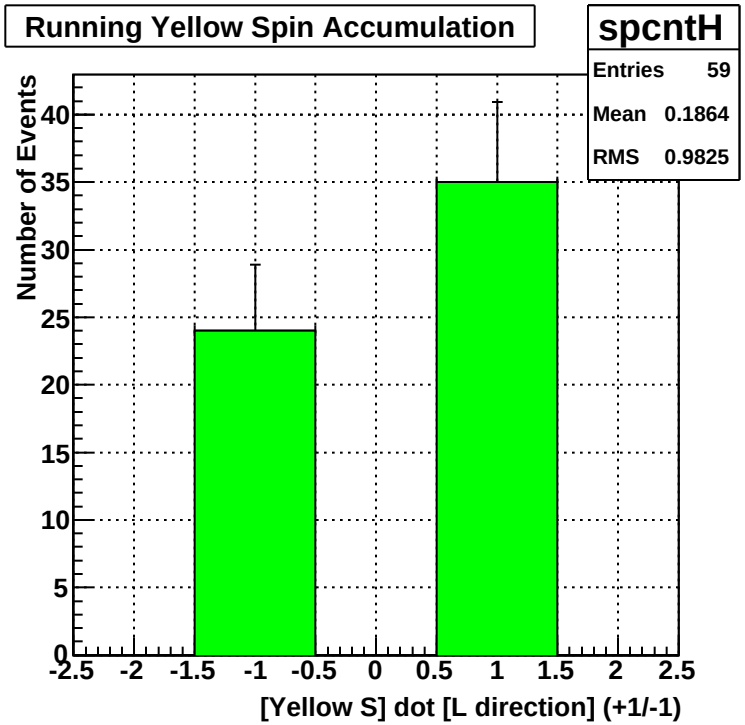
59) Rnum=7119020 EventN=1606963 (2 Yd-S[+])

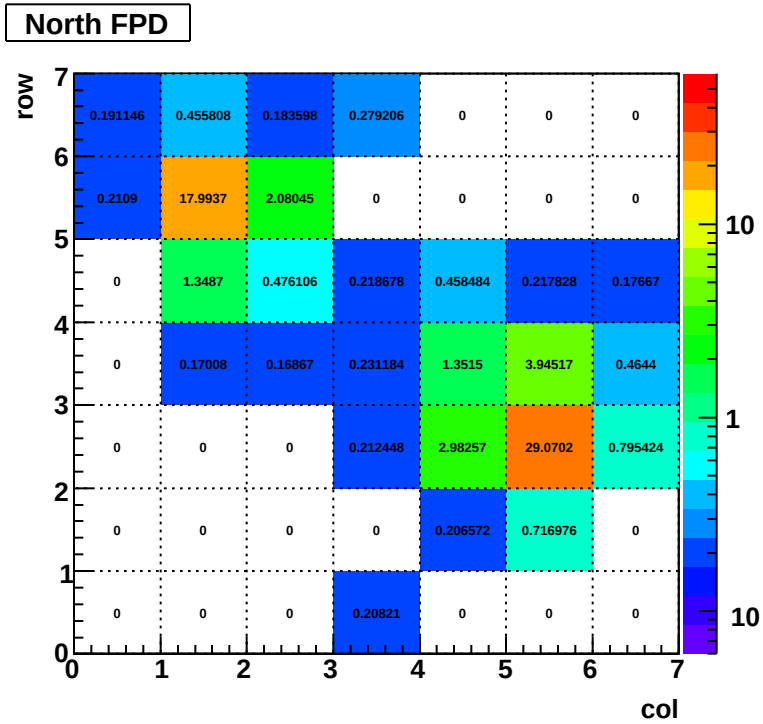
(1) Energy=39.143154 Y=-3.458770 Phi=3.075974

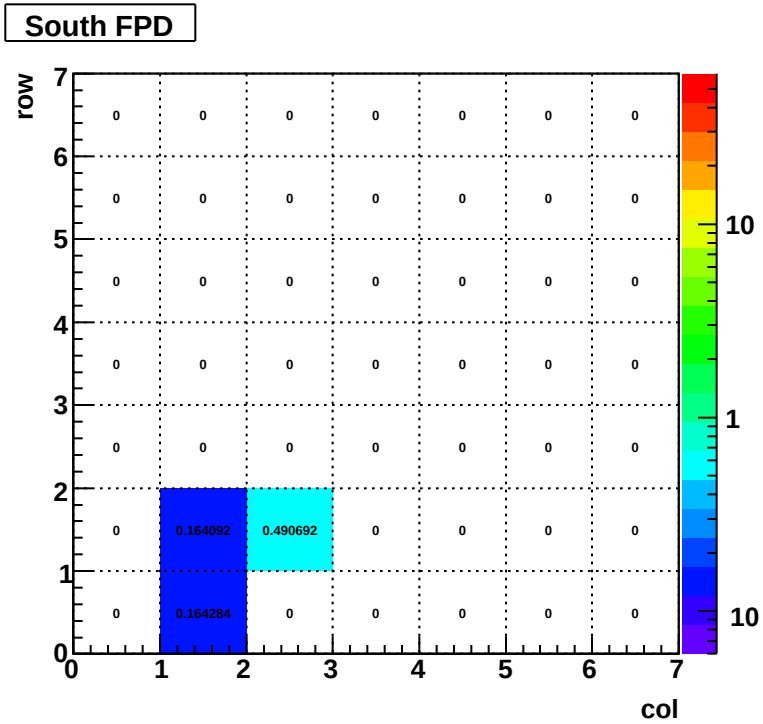
(2) Energy=22.605249 Y=-3.754329 Phi=-2.968471

M12=0.614 Y12=-3.563 Phi12=-3.136 E12=61.748

SumN(-) = 24 SumN(+)= 35 AN/.6=0.311







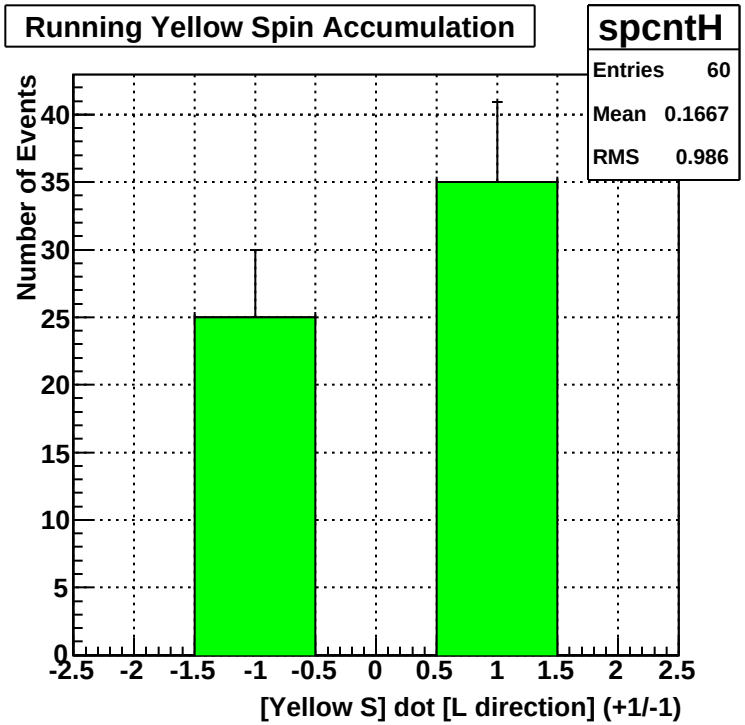
60) Rnum=7119022 EventN=1809798 (2 Yd-N[-])

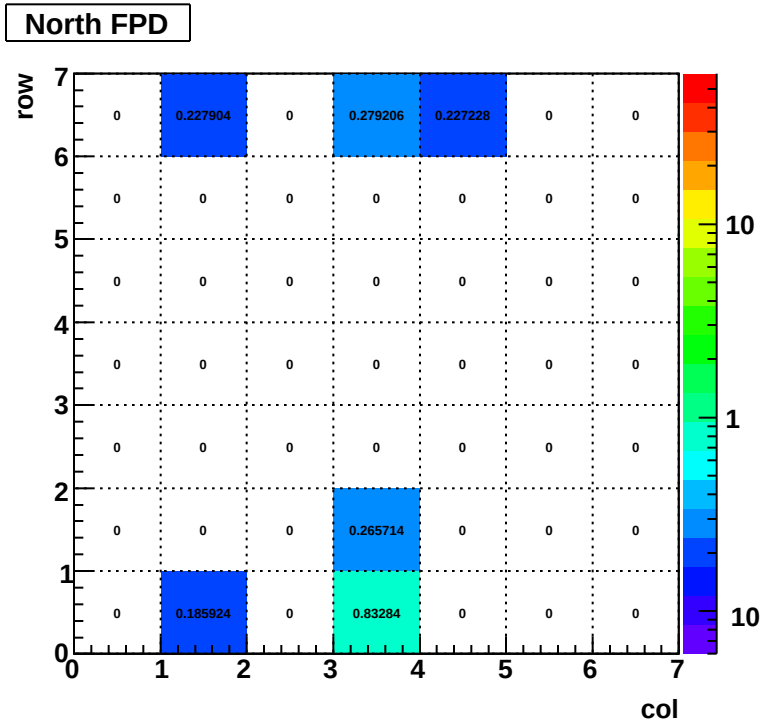
(1) Energy=55.470314 Y=-3.503489 Phi=-0.105085

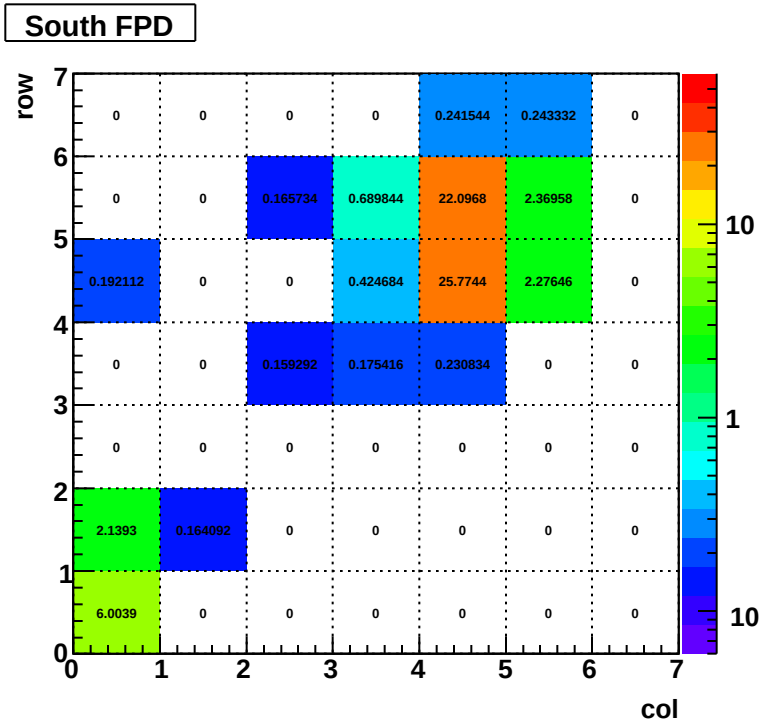
(2) Energy=9.842111 Y=-3.860749 Phi=0.312597

M12=0.645 Y12=-3.558 Phi12=-0.060 E12=65.312

SumN(-) = 25 SumN(+)= 35 AN/.6=0.278







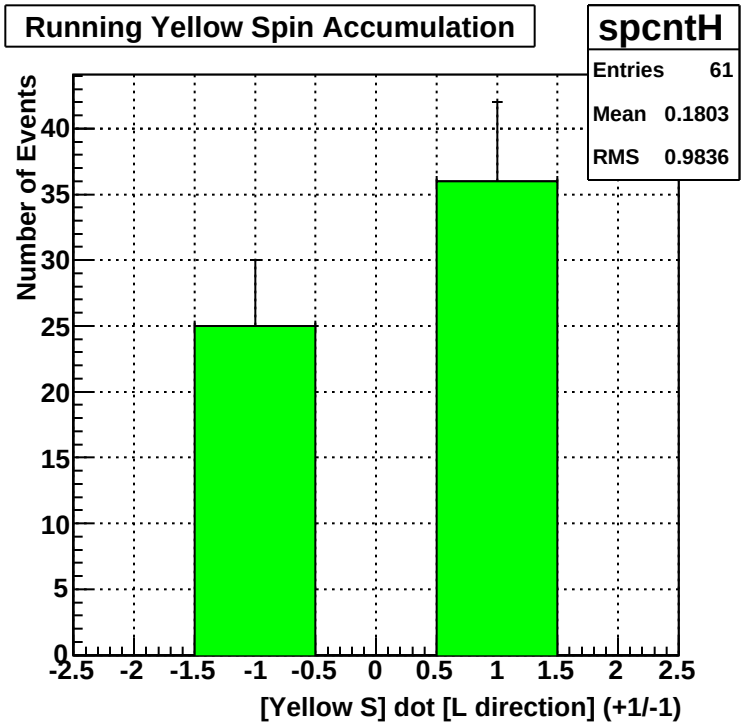
61) Rnum=7119023 EventN=2908411 (0 Yd-S[+])

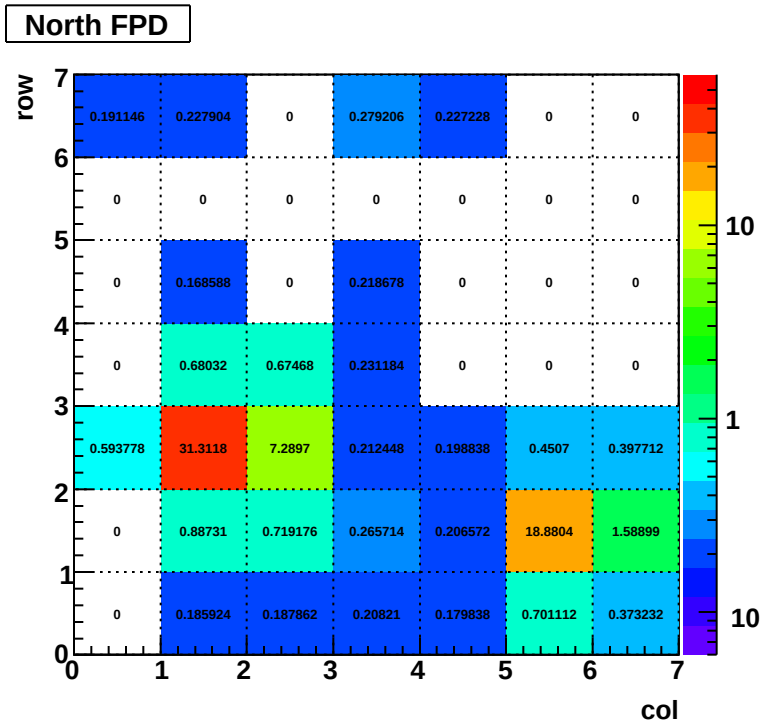
(1) Energy=45.180962 Y=-3.751946 Phi=3.023972

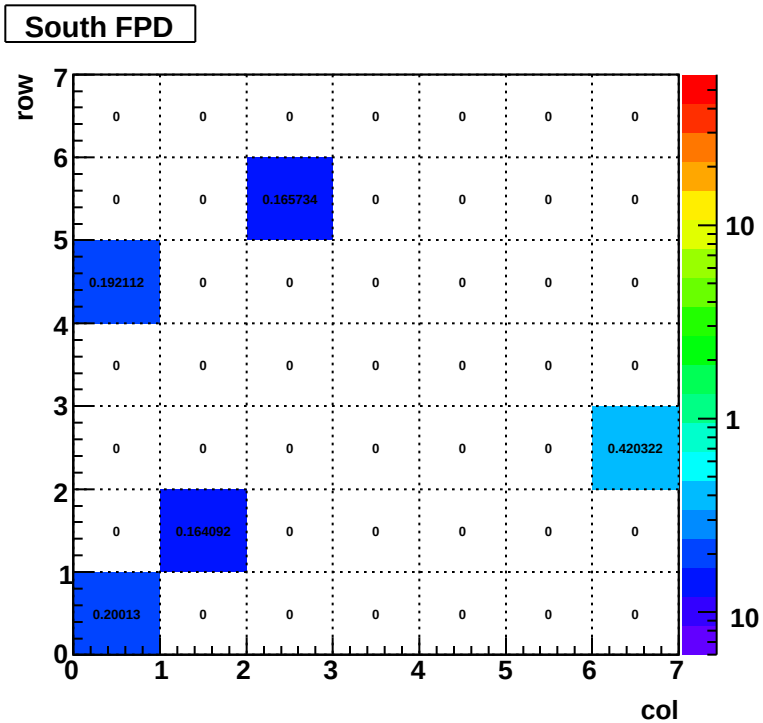
(2) Energy=21.728043 Y=-3.422574 Phi=2.983904

M12=0.577 Y12=-3.633 Phi12=3.008 E12=66.909

SumN(-) = 25 SumN(+)= 36 AN/.6=0.301







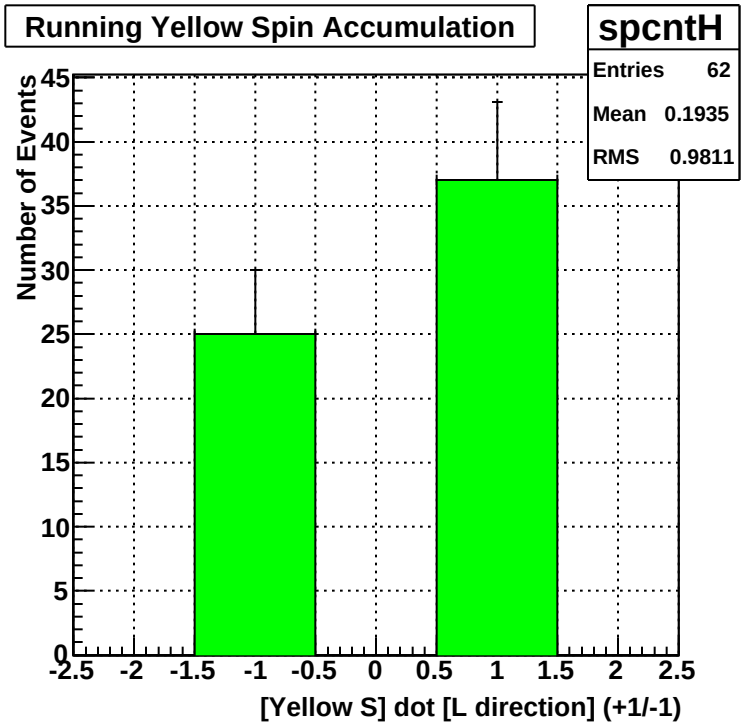
62) Rnum=7119023 EventN=4803401 (1 Yu-N[+])

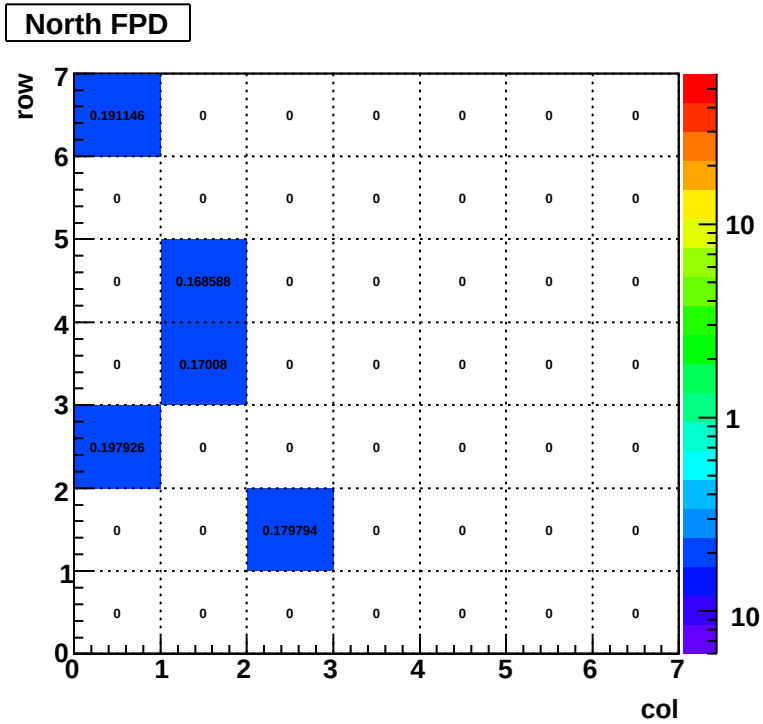
(1) Energy=36.143318 Y=-3.816857 Phi=-0.172884

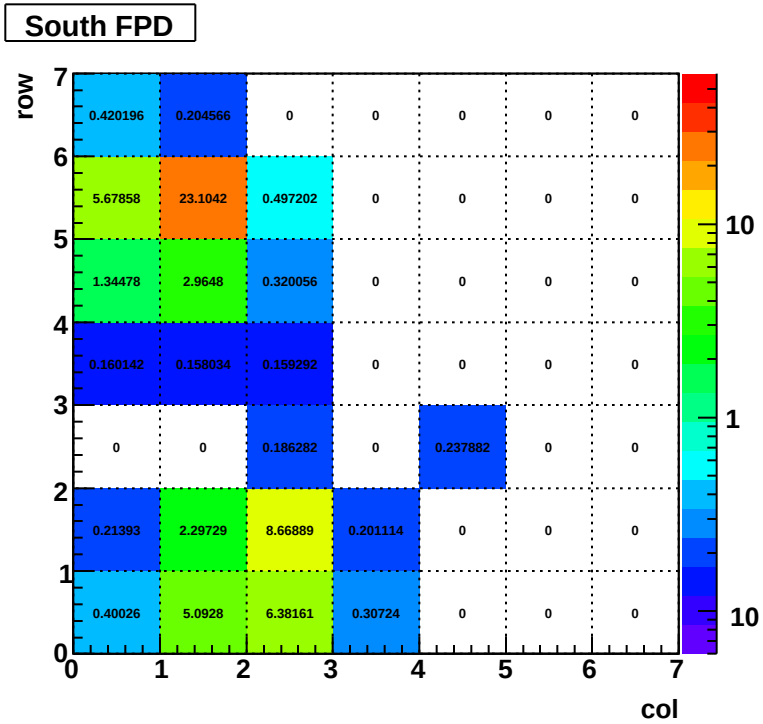
(2) Energy=24.007481 Y=-3.702833 Phi=0.254850

M12=0.602 Y12=-3.792 Phi12=0.009 E12=60.151

SumN(-) = 25 SumN(+)= 37 AN/.6=0.323







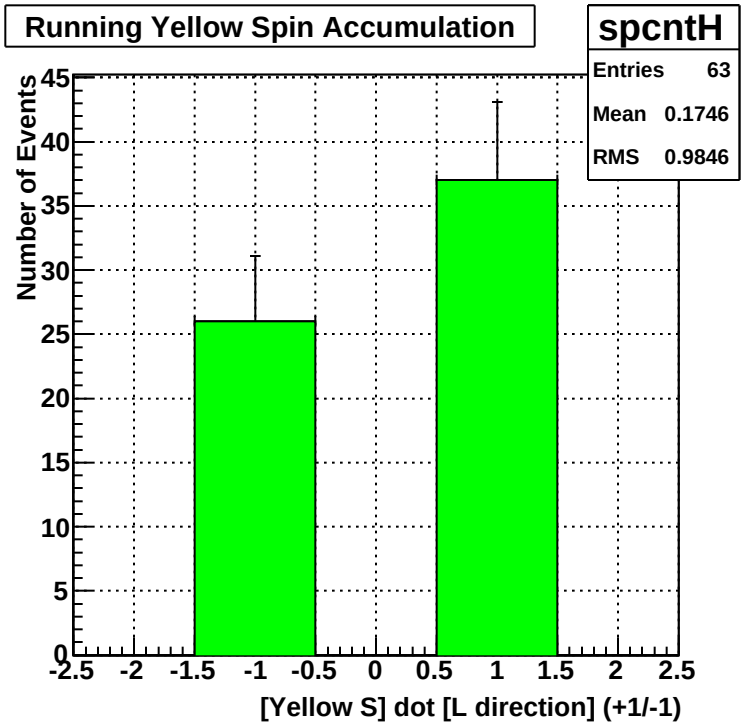
63) Rnum=7119023 EventN=2002188 (0 Yd-N[-])

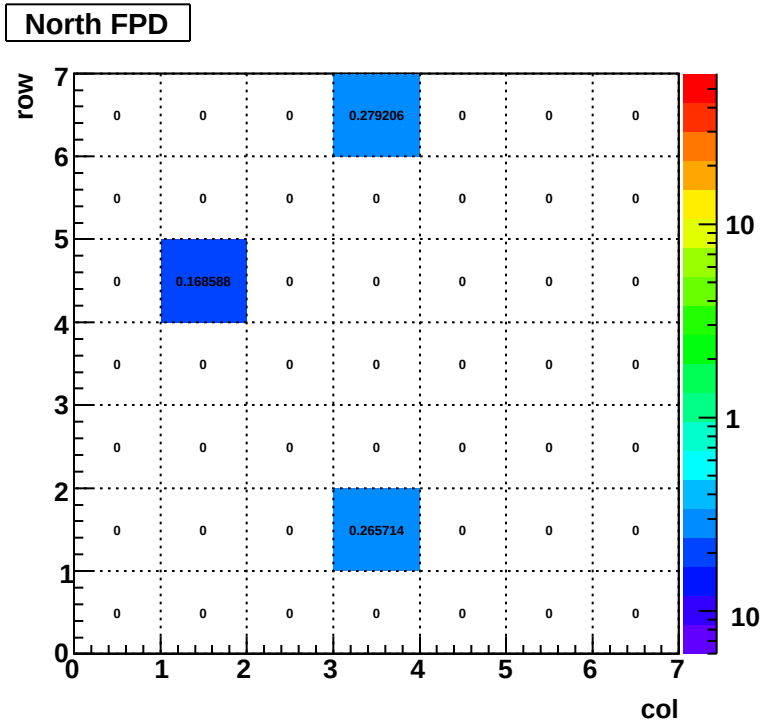
(1) Energy=38.030865 Y=-3.718798 Phi=0.133554

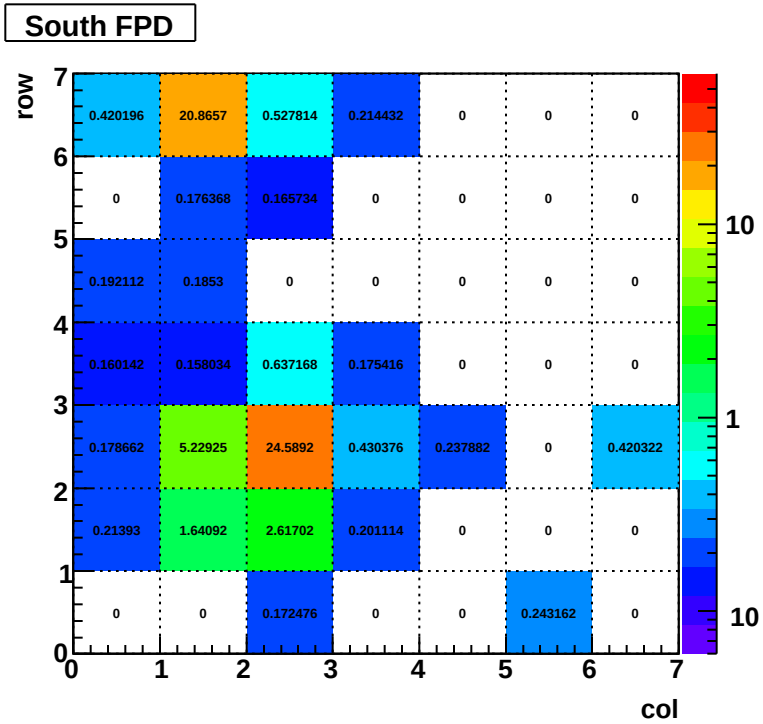
(2) Energy=25.802267 Y=-3.746916 Phi=-0.300706

M12=0.647 Y12=-3.753 Phi12=-0.038 E12=63.833

SumN(-) = 26 SumN(+)= 37 AN/.6=0.291







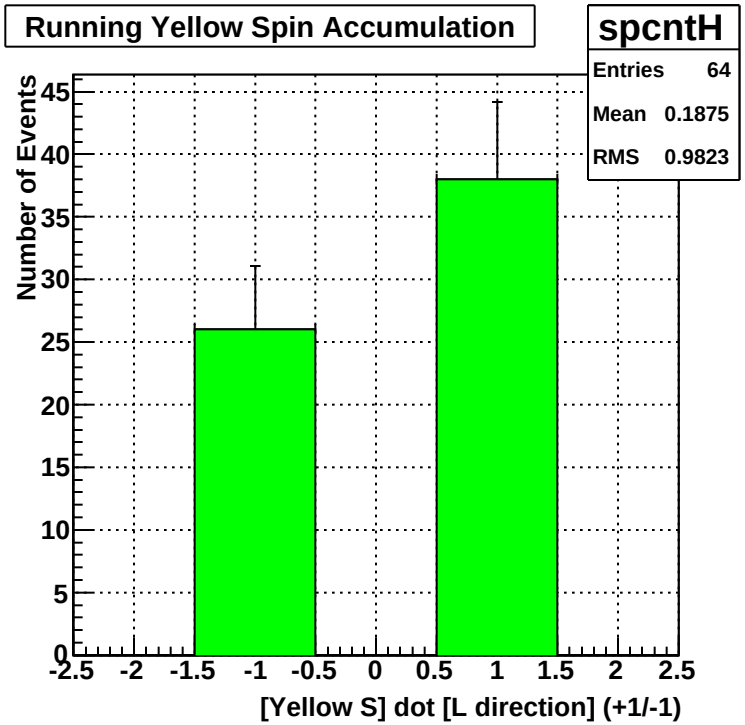
64) Rnum=7119026 EventN=3303496 (2 Yd-S[+])

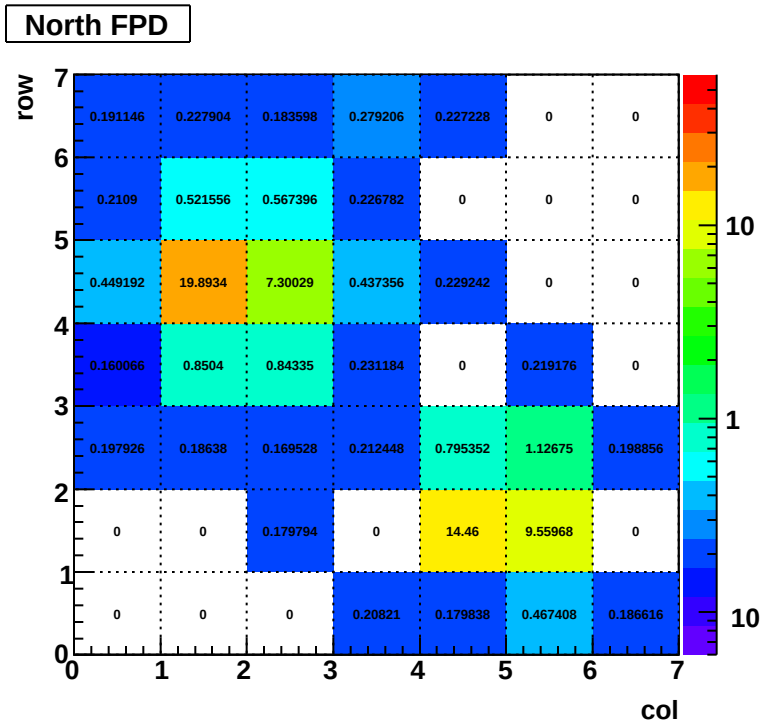
(1) Energy=33.262131 Y=-3.748908 Phi=-3.061654

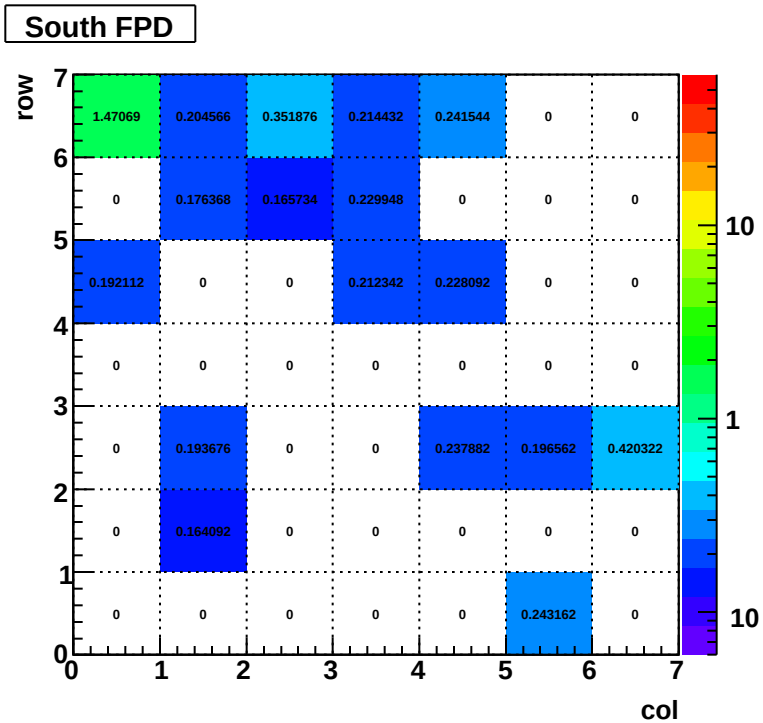
(2) Energy=27.407520 Y=-3.474170 Phi=2.986874

M12=0.589 Y12=-3.622 Phi12=3.099 E12=60.670

SumN(-) = 26 SumN(+)= 38 AN/.6=0.312







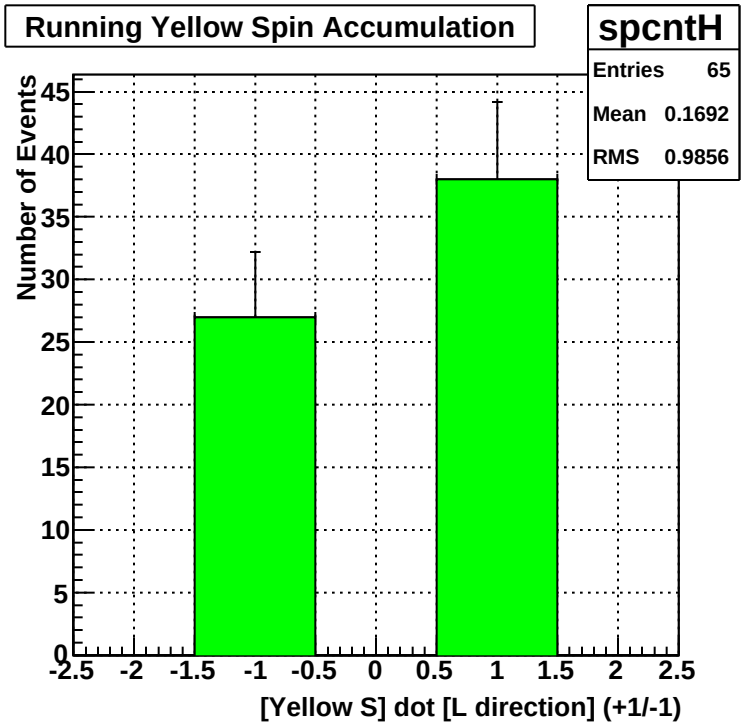
65) Rnum=7119026 EventN=3400297 (1 Yu-S[-])

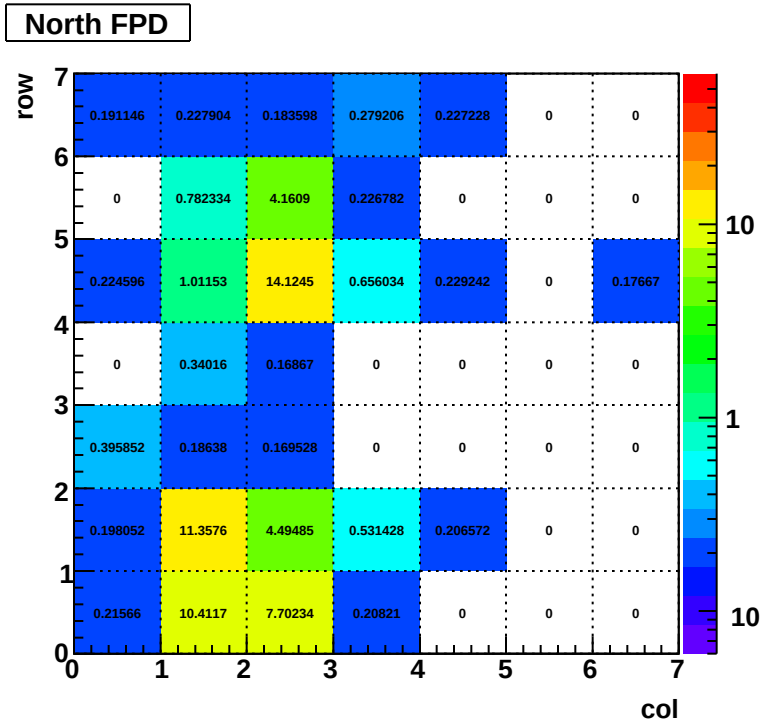
(1) Energy=23.248968 Y=-3.698862 Phi=-3.025186

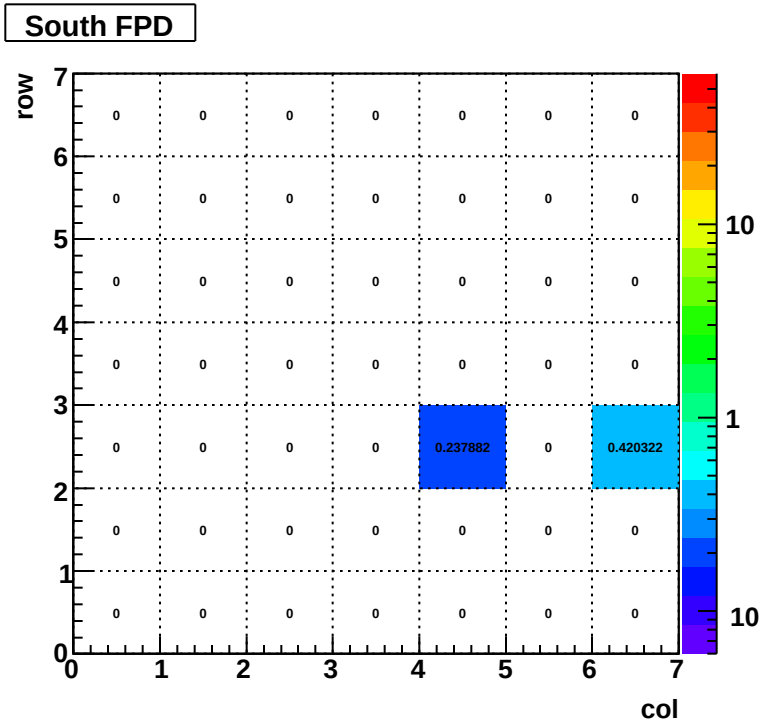
(2) Energy=37.193882 Y=-3.714963 Phi=2.882483

M12=0.539 Y12=-3.726 Phi12=3.028 E12=60.443

SumN(-) = 27 SumN(+)= 38 AN/.6=0.282







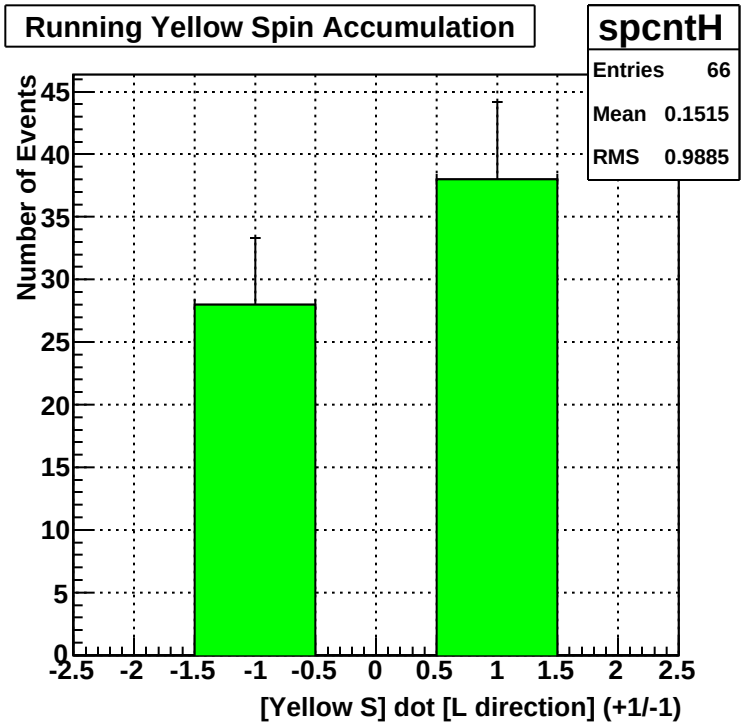
66) Rnum=7119026 EventN=1807994 (1 Yu-S[-])

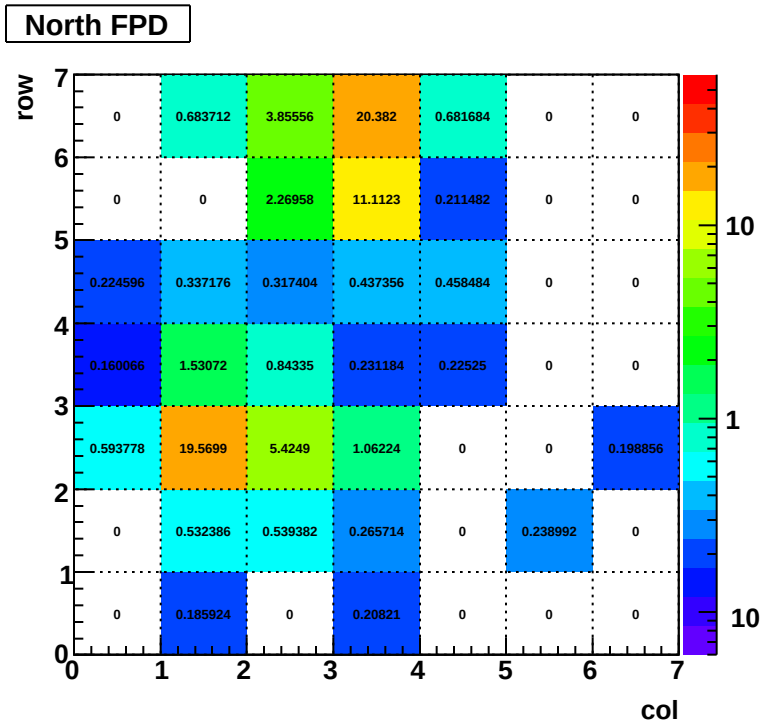
(1) Energy=30.330498 Y=-3.750778 Phi=3.039567

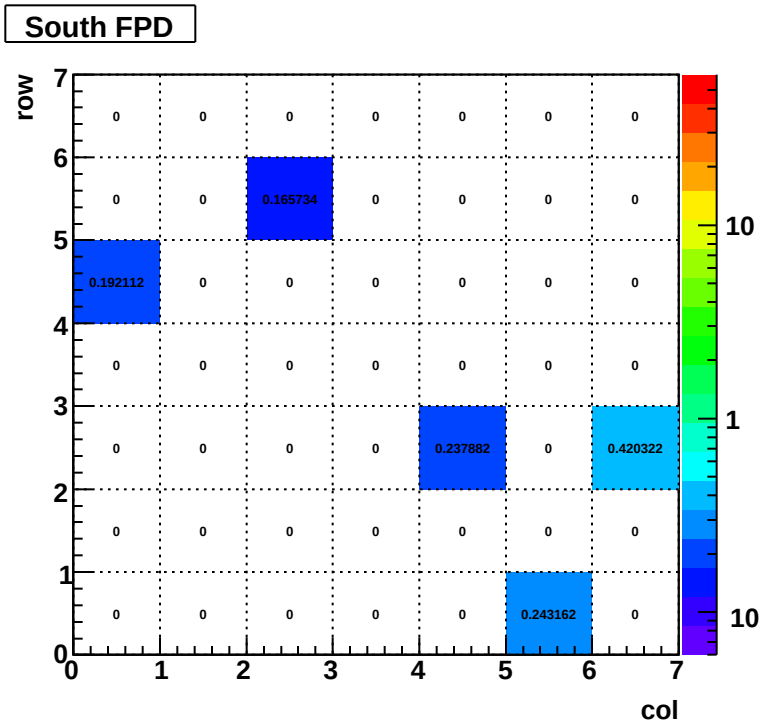
(2) Energy=39.137272 Y=-3.609285 Phi=-2.931883

M12=0.592 Y12=-3.680 Phi12=-3.057 E12=69.468

SumN(-) = 28 SumN(+)= 38 AN/.6=0.253







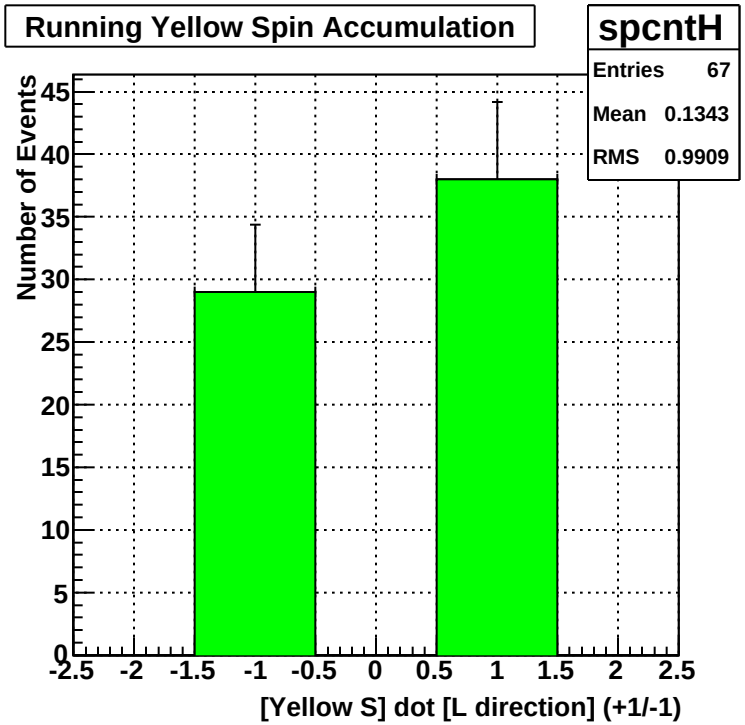
67) Rnum=7119028 EventN=8108341 (0 Yd-N[-])

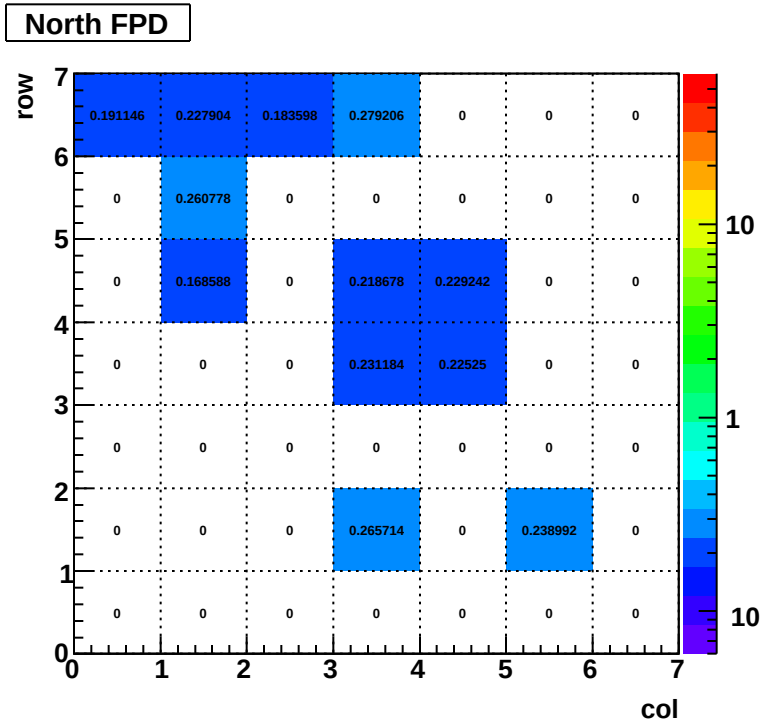
(1) Energy=55.101295 Y=-3.761037 Phi=0.061553

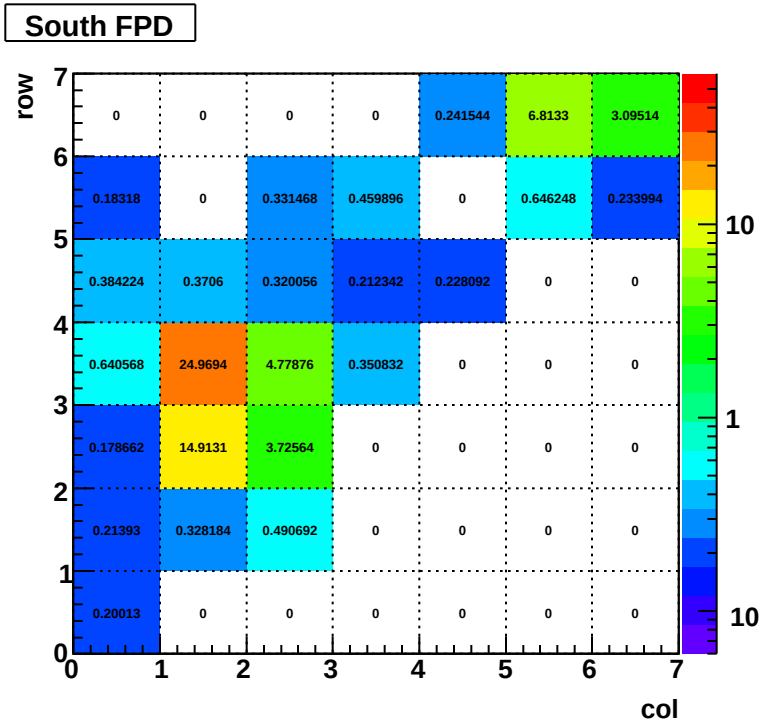
(2) Energy=11.226480 Y=-3.395012 Phi=-0.192928

M12=0.621 Y12=-3.695 Phi12=0.004 E12=66.328

SumN(-) = 29 SumN(+)= 38 AN/.6=0.224







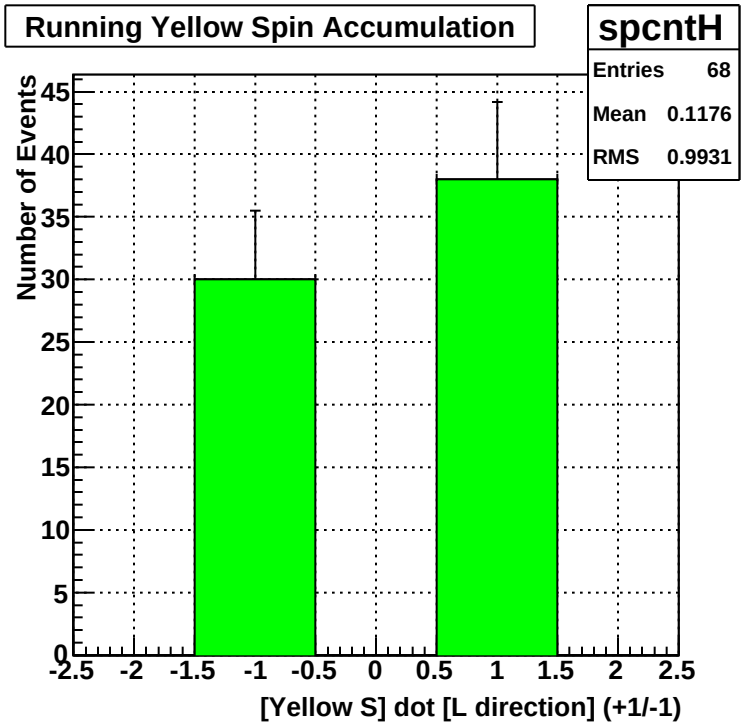
68) Rnum=7119038 EventN=406114 (2 Yd-N[-])

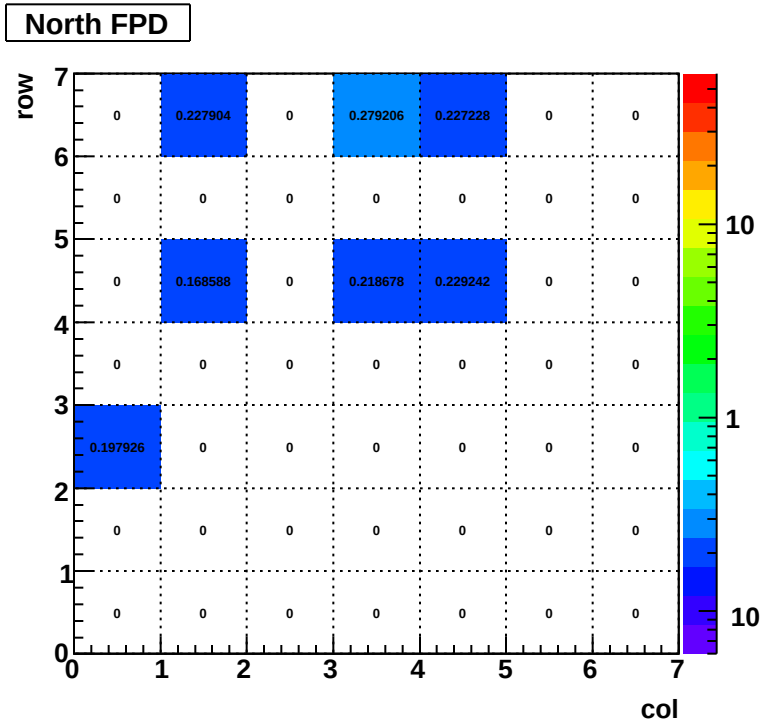
(1) Energy=46.779392 Y=-3.778027 Phi=-0.072306

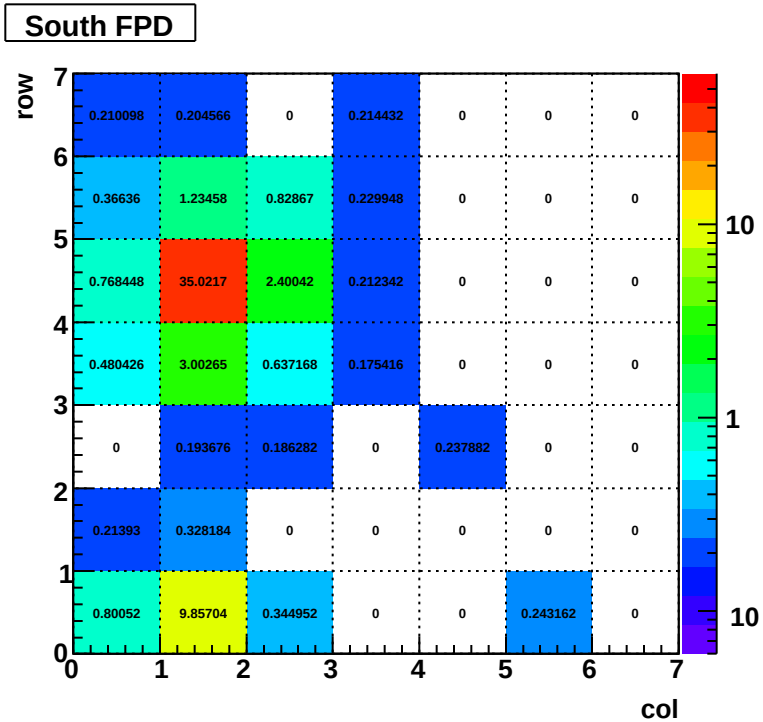
(2) Energy=13.623664 Y=-3.753960 Phi=0.329030

M12=0.467 Y12=-3.787 Phi12=0.019 E12=60.403

SumN(-) = 30 SumN(+)= 38 AN/.6=0.196







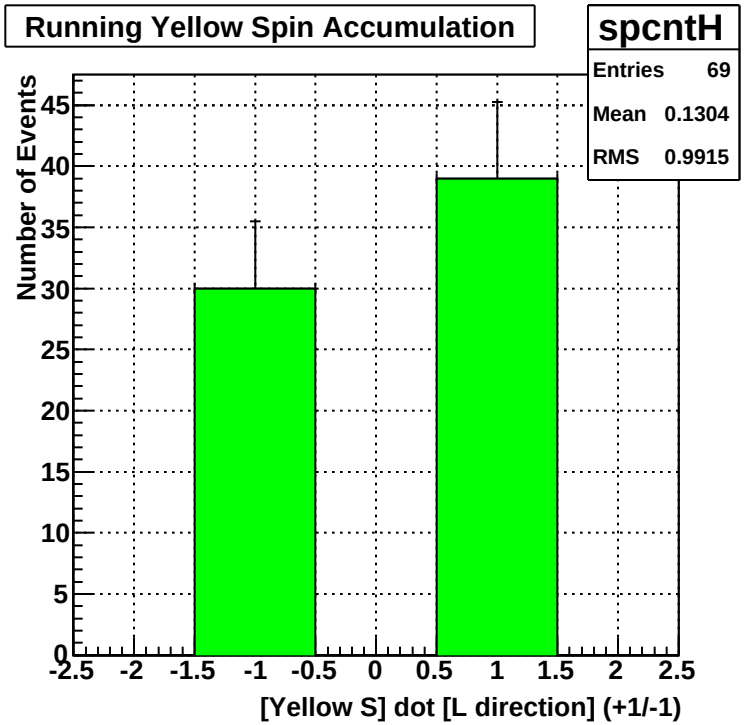
69) Rnum=7119038 EventN=802180 (1 Yu-N[+])

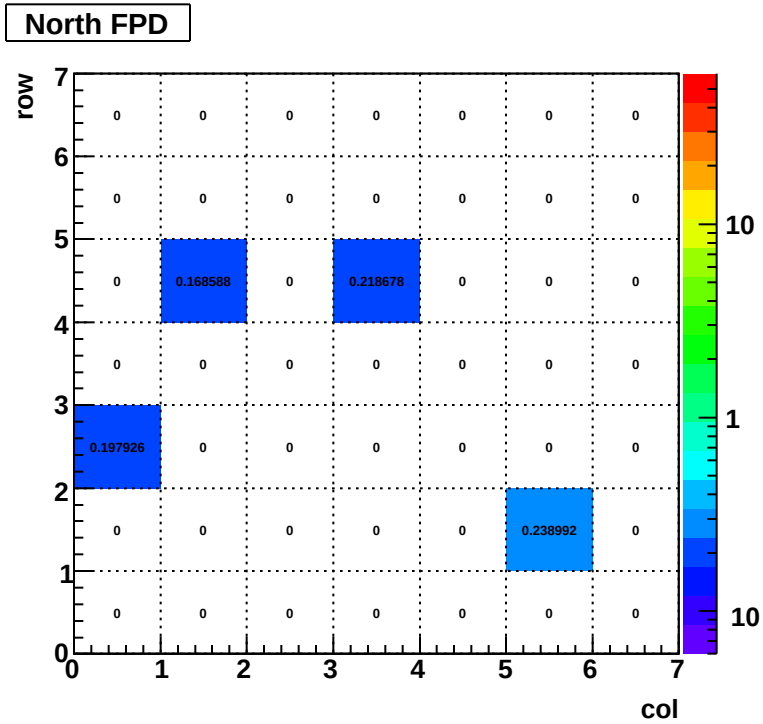
(1) Energy=48.954311 Y=-3.766976 Phi=0.123428

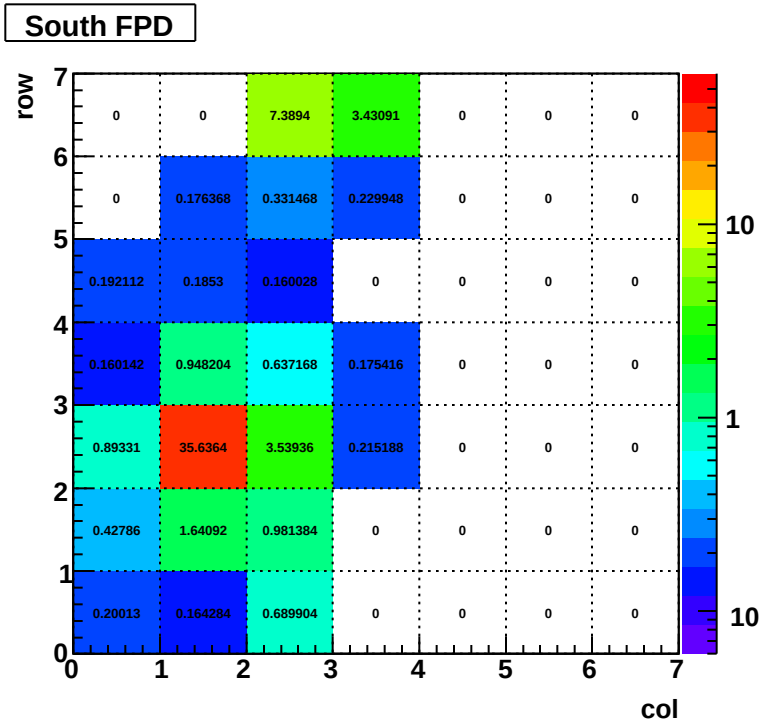
(2) Energy=13.415903 Y=-3.619334 Phi=-0.267522

M12=0.530 Y12=-3.747 Phi12=0.030 E12=62.370

SumN(-) = 30 SumN(+)= 39 AN/.6=0.217







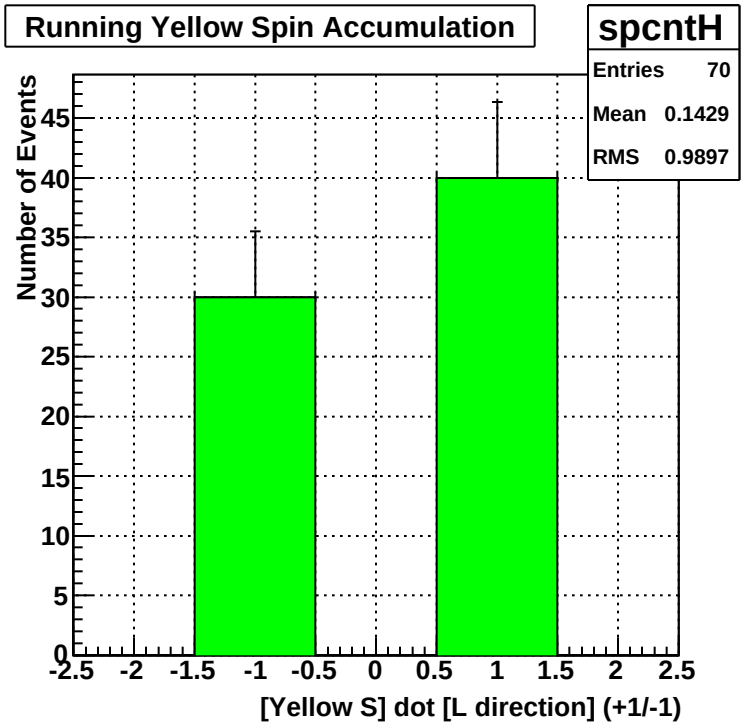
70) Rnum=7119068 EventN=5404270 (1 Yu-N[+])

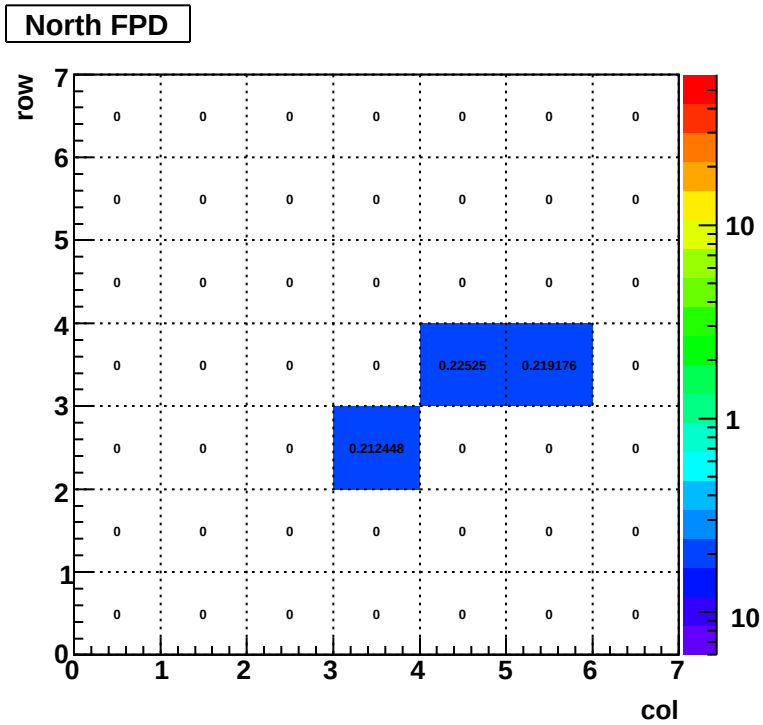
(1) Energy=57.547859 Y=-3.661024 Phi=-0.180606

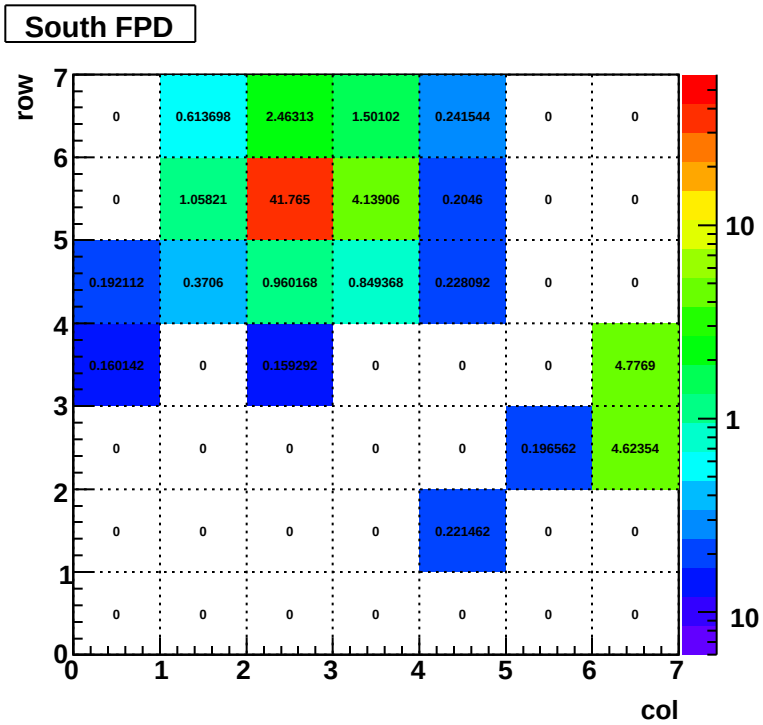
(2) Energy=10.757955 Y=-3.368333 Phi=0.044162

M12=0.547 Y12=-3.613 Phi12=-0.136 E12=68.306

SumN(-) = 30 SumN(+)= 40 AN/.6=0.238







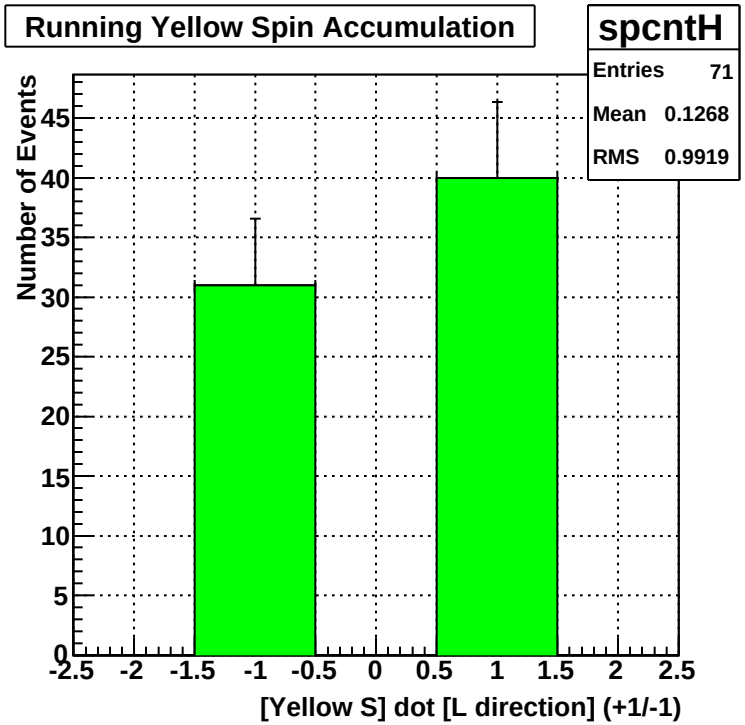
71) Rnum=7119068 EventN=5605307 (3 Yu-S[-])

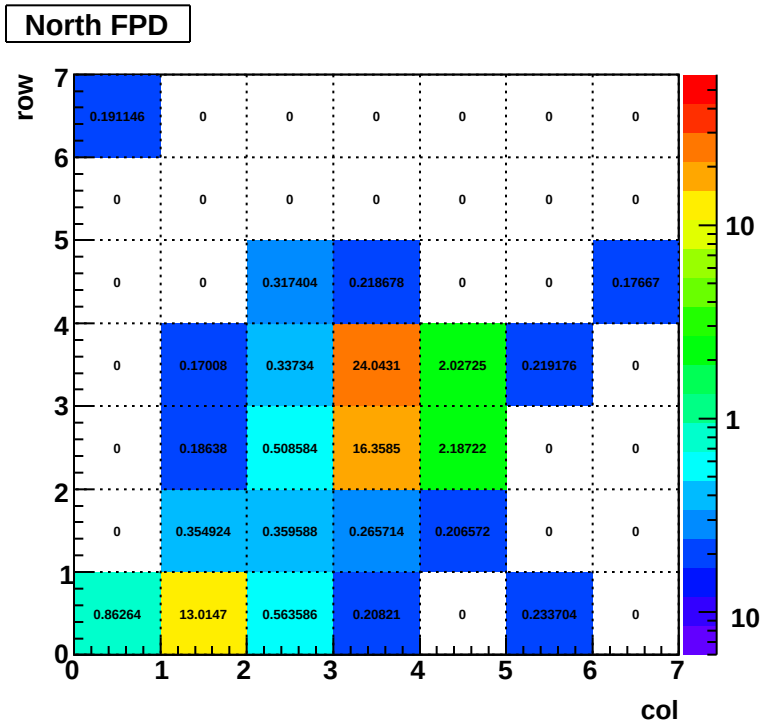
(1) Energy=47.380856 Y=-3.588230 Phi=3.088934

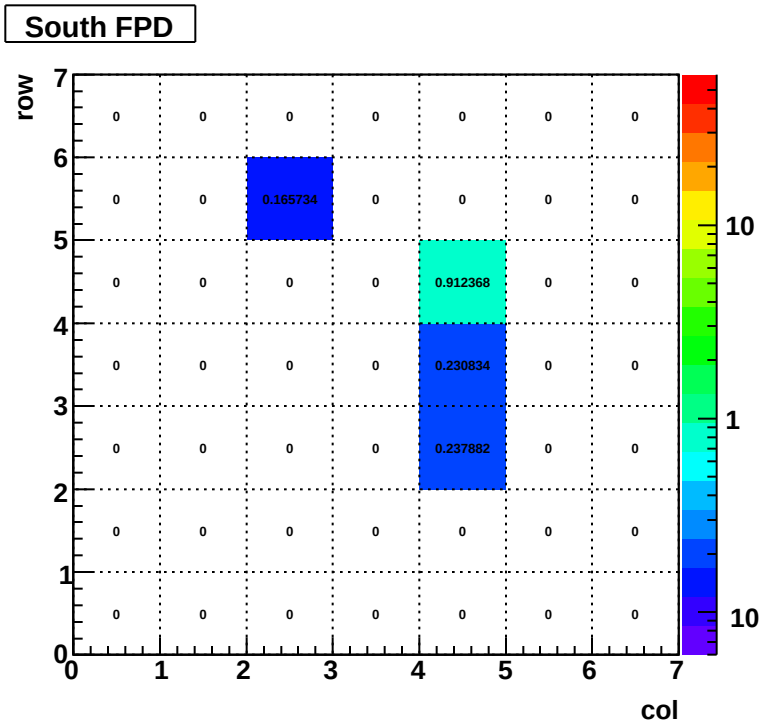
(2) Energy=17.309916 Y=-3.745468 Phi=2.811538

M12=0.465 Y12=-3.635 Phi12=3.023 E12=64.691

SumN(-) = 31 SumN(+)= 40 AN/.6=0.211







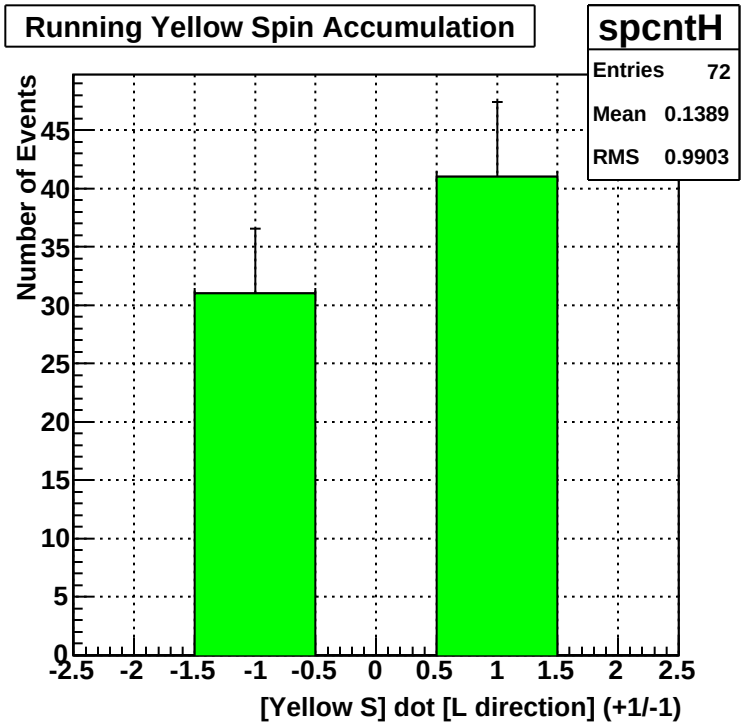
72) Rnum=7119068 EventN=8409569 (3 Yu-N[+])

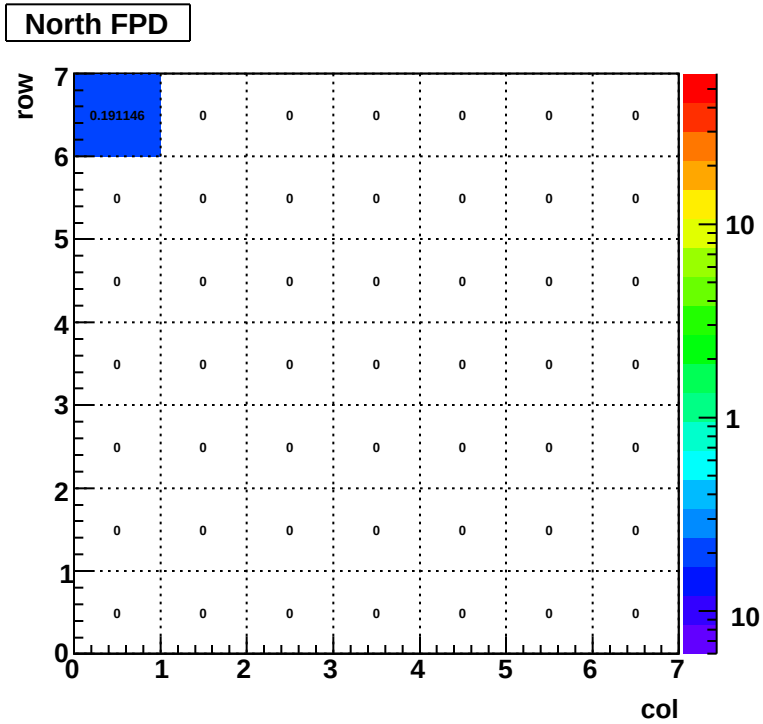
(1) Energy=27.729265 Y=-3.689104 Phi=0.292594

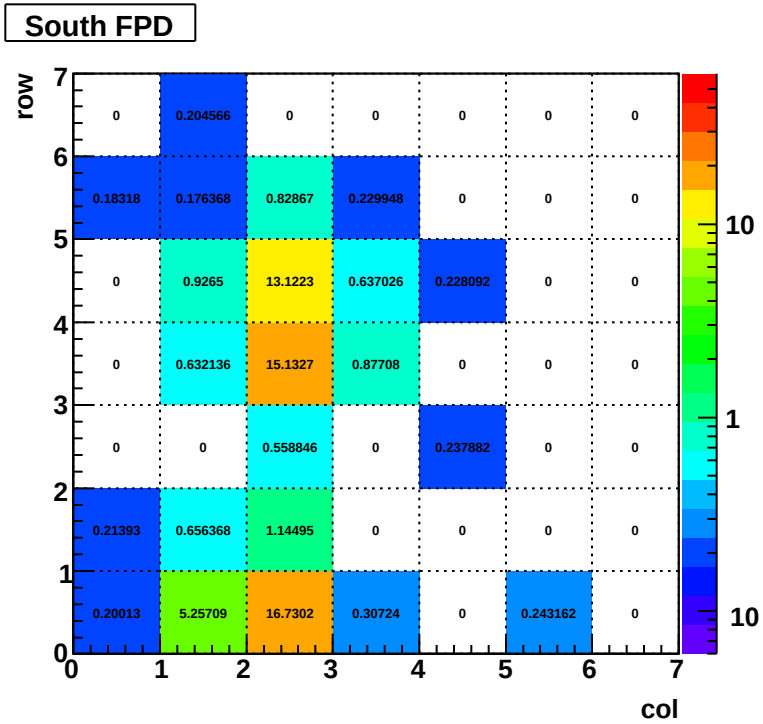
(2) Energy=34.014198 Y=-3.695349 Phi=-0.032319

M12=0.495 Y12=-3.706 Phi12=0.114 E12=61.743

SumN(-) = 31 SumN(+)= 41 AN/.6=0.231







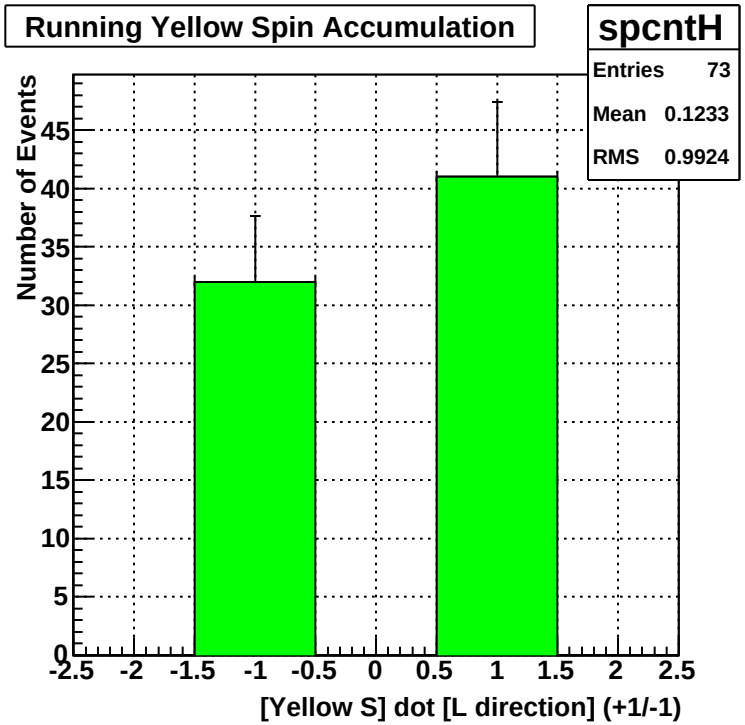
73) Rnum=7119068 EventN=10007852 (2 Yd-N[-])

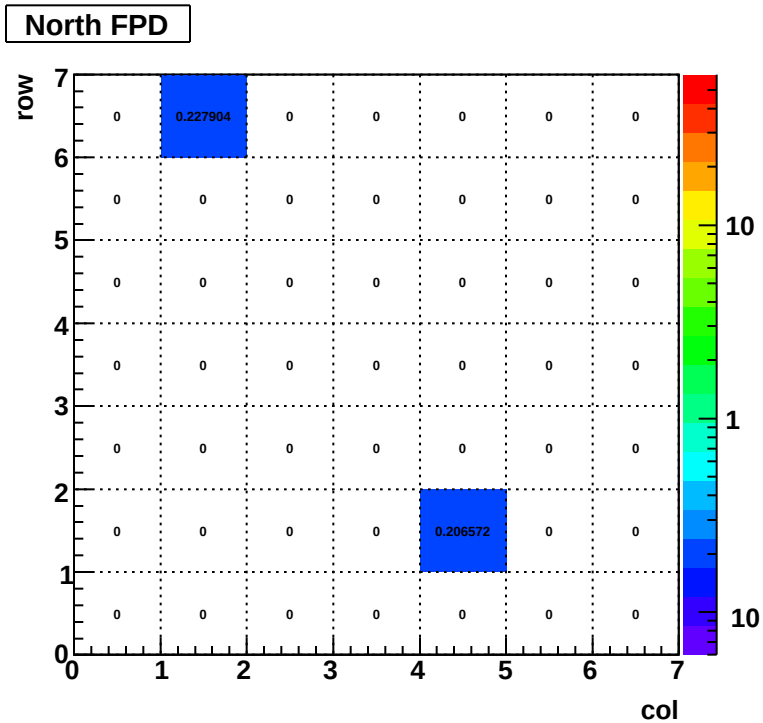
(1) Energy=35.711838 Y=-3.685616 Phi=-0.152971

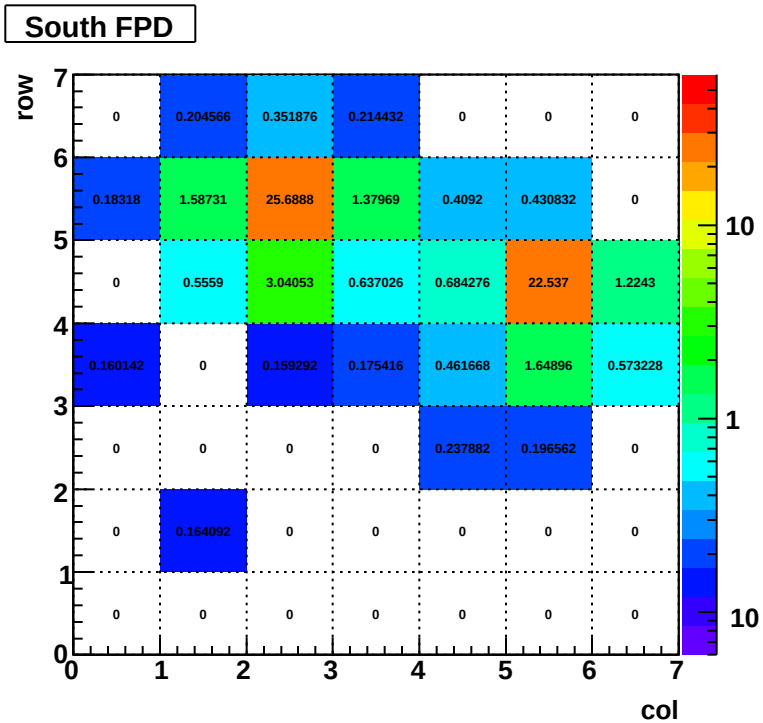
(2) Energy=28.464308 Y=-3.438052 Phi=-0.051880

M12=0.485 Y12=-3.569 Phi12=-0.102 E12=64.176

SumN(-) = 32 SumN(+)= 41 AN/.6=0.205







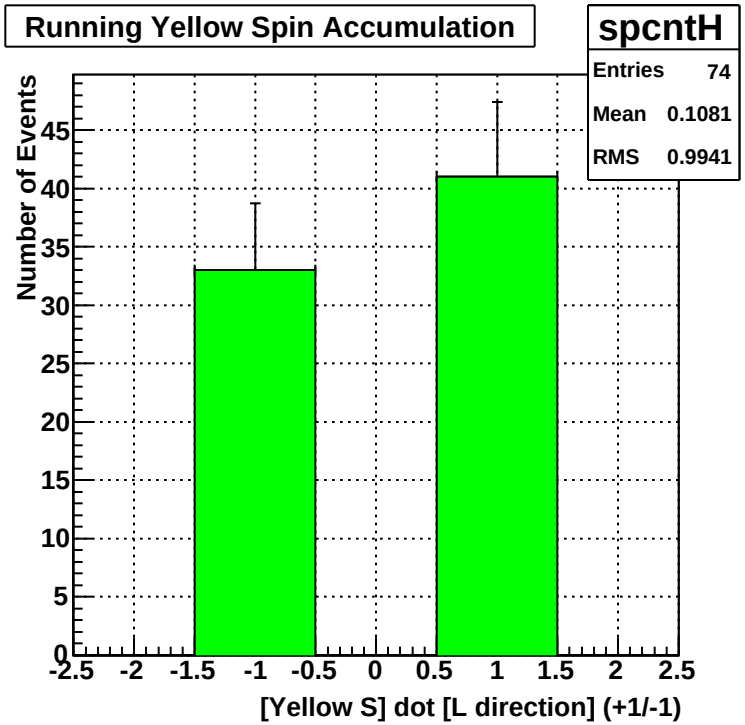
74) Rnum=7119068 EventN=1905671 (2 Yd-N[-])

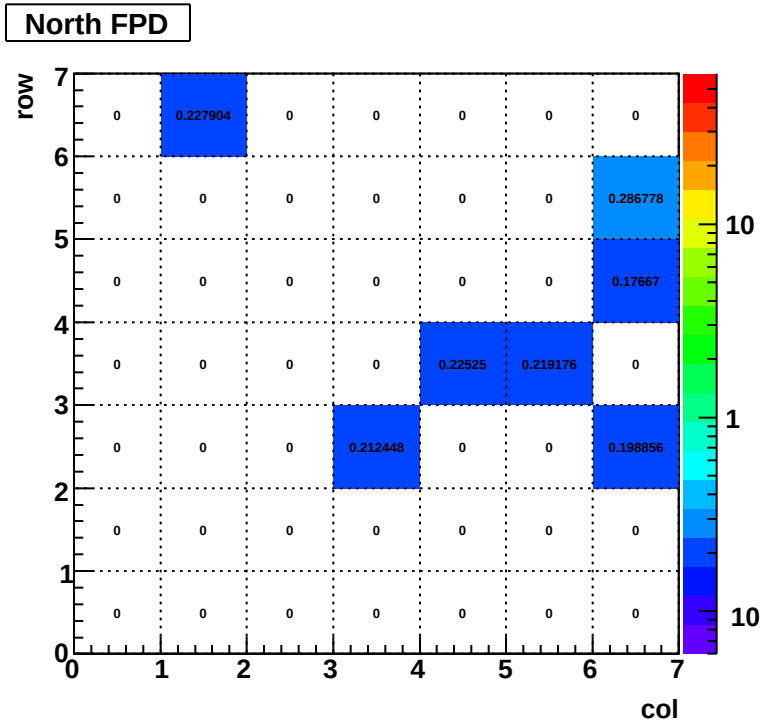
(1) Energy=33.603085 Y=-3.917452 Phi=-0.113067

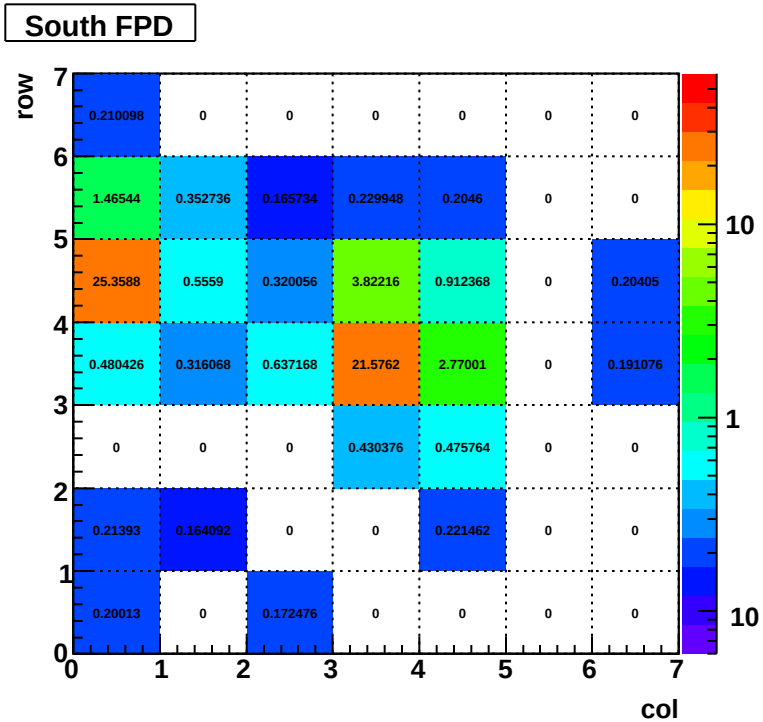
(2) Energy=31.062605 Y=-3.585635 Phi=-0.012711

M12=0.528 Y12=-3.746 Phi12=-0.057 E12=64.666

SumN(-) = 33 SumN(+)= 41 AN/.6=0.180







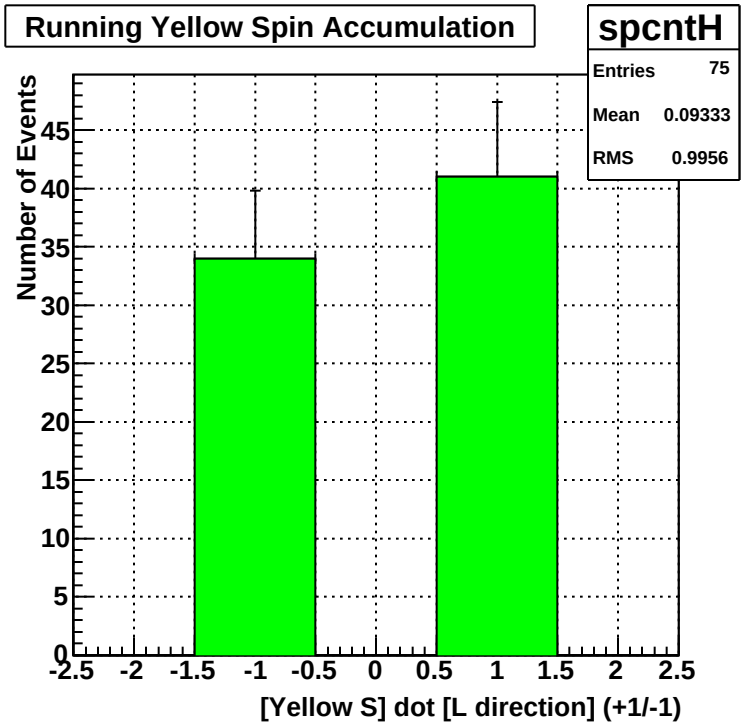
75) Rnum=7119069 EventN=3201818 (0 Yd-N[-])

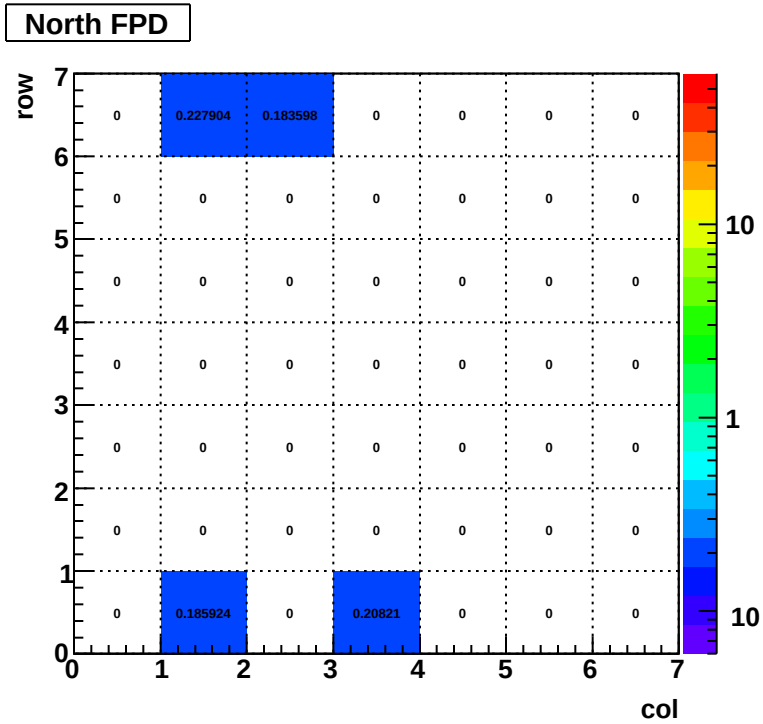
(1) Energy=36.256409 Y=-3.853474 Phi=-0.106215

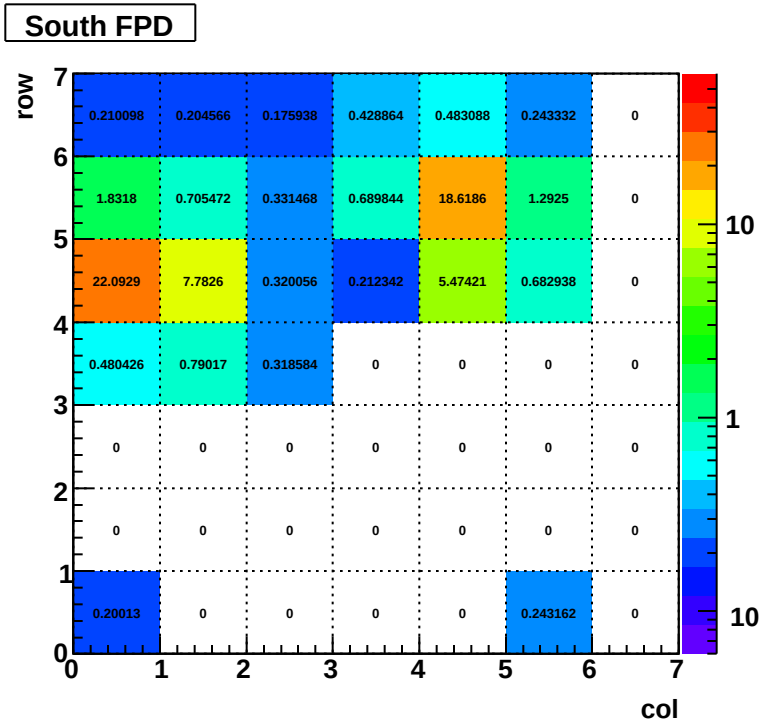
(2) Energy=28.067411 Y=-3.506761 Phi=-0.116243

M12=0.560 Y12=-3.687 Phi12=-0.111 E12=64.324

SumN(-) = 34 SumN(+)= 41 AN/.6=0.156







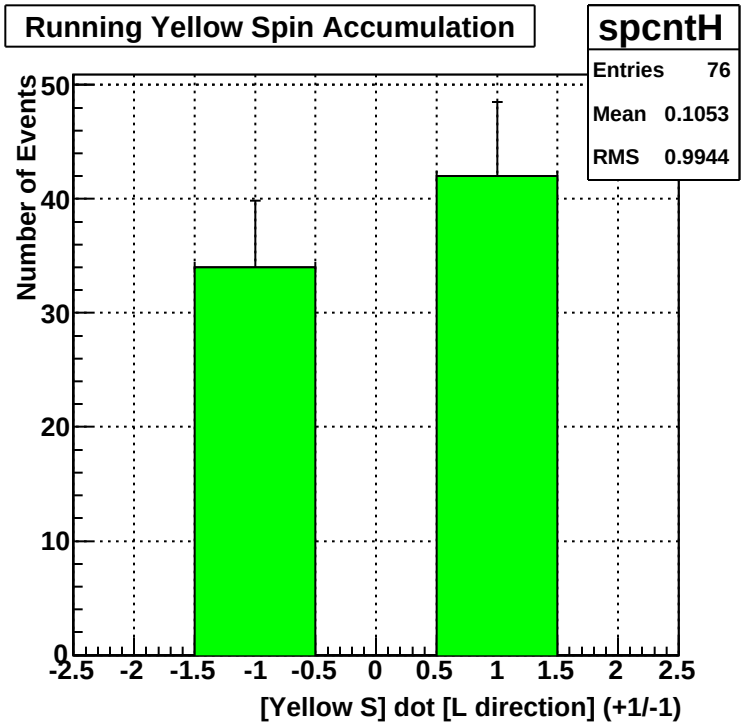
76) Rnum=7119069 EventN=1902073 (3 Yu-N[+])

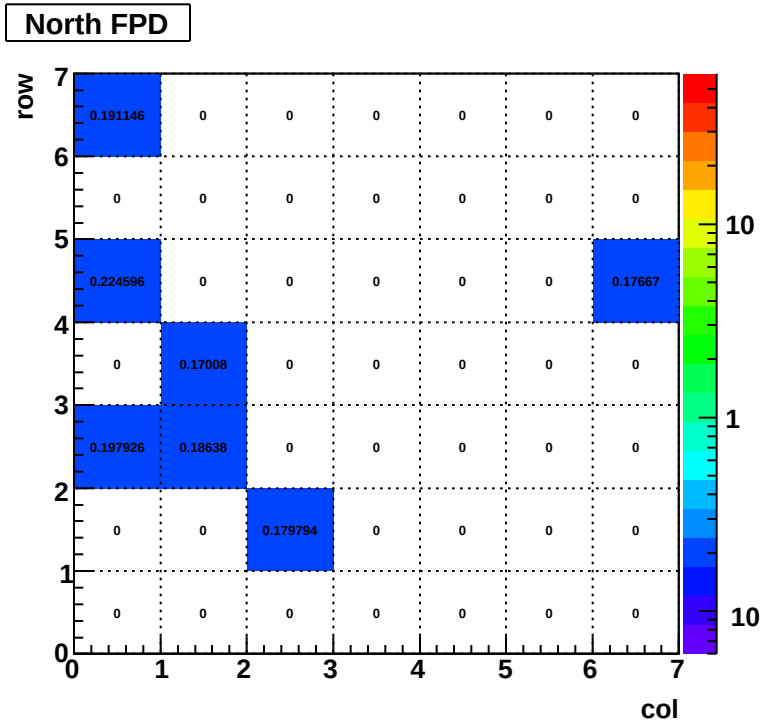
(1) Energy=37.340355 Y=-3.642391 Phi=0.000033

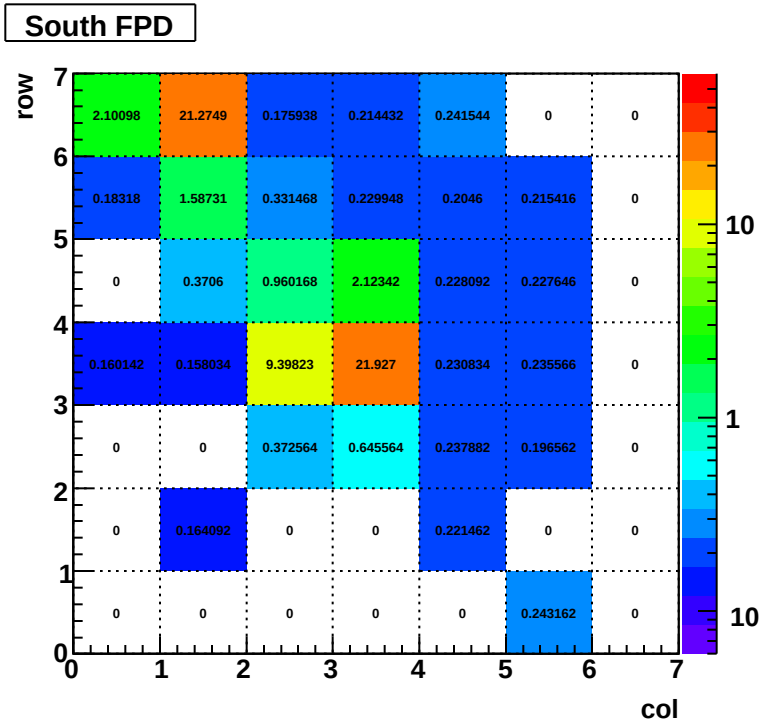
(2) Energy=28.027292 Y=-3.772800 Phi=-0.286591

M12=0.498 Y12=-3.706 Phi12=-0.114 E12=65.368

SumN(-) = 34 SumN(+)= 42 AN/.6=0.175







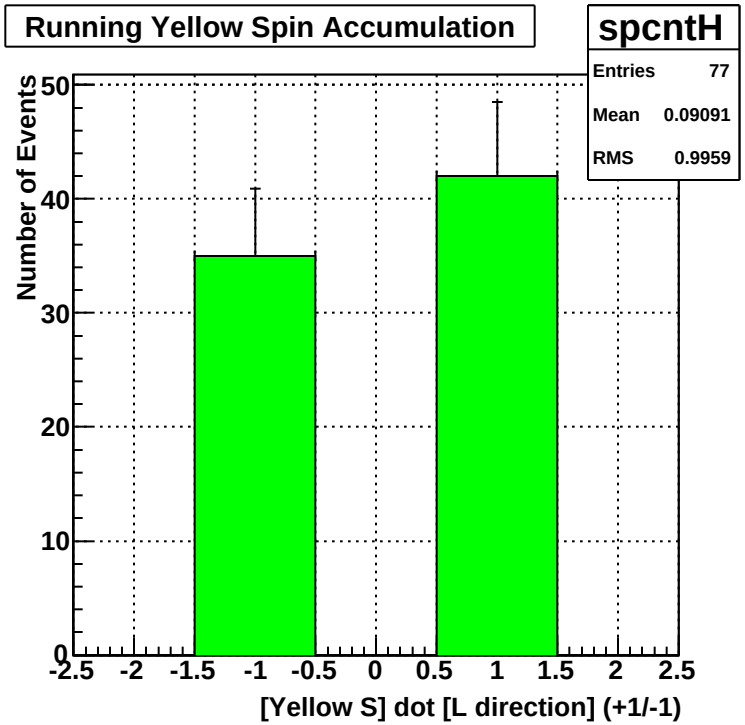
77) Rnum=7119070 EventN=2908014 (1 Yu-S[-])

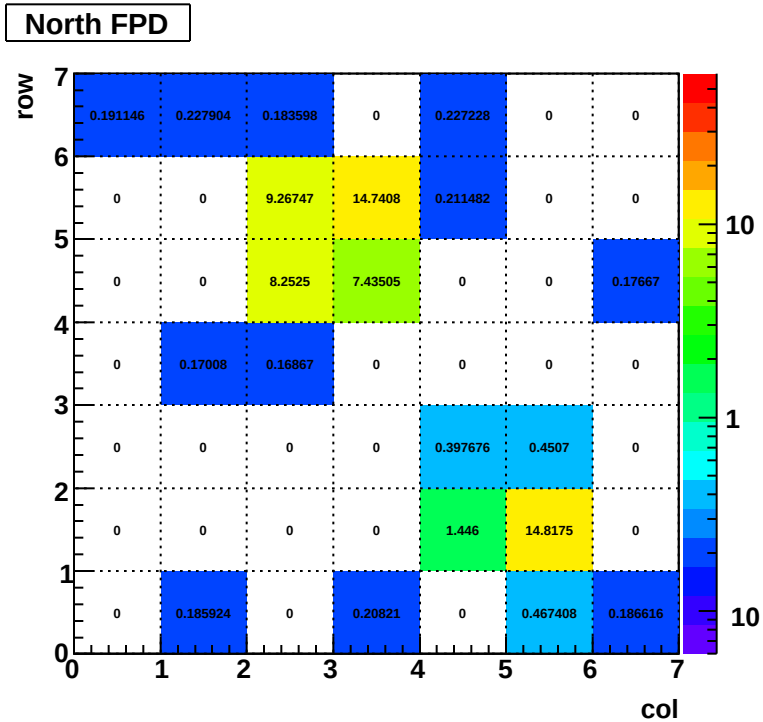
(1) Energy=42.651974 Y=-3.639221 Phi=-3.016828

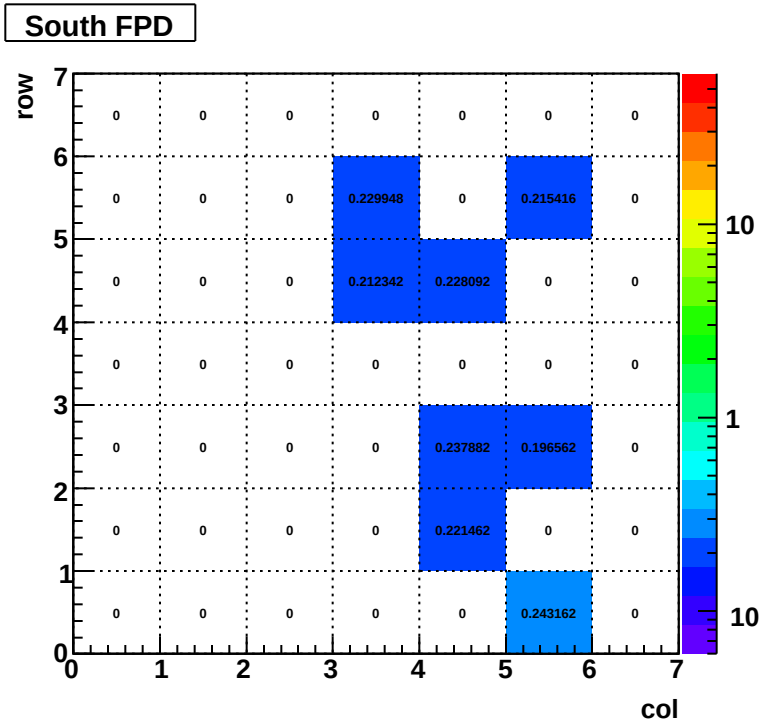
(2) Energy=17.775007 Y=-3.448509 Phi=2.982424

M12=0.543 Y12=-3.588 Phi12=-3.112 E12=60.427

SumN(-) = 35 SumN(+)= 42 AN/.6=0.152







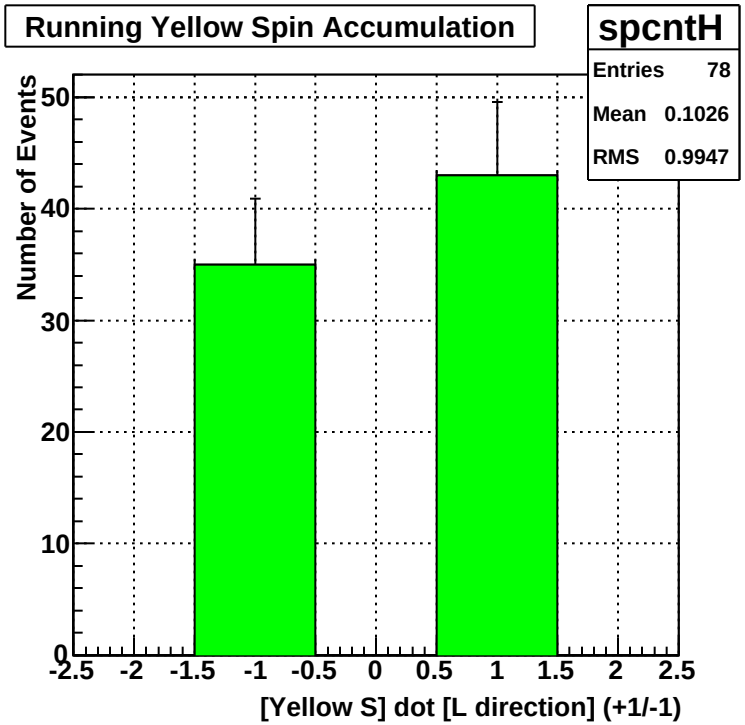
78) Rnum=7119070 EventN=4000525 (1 Yu-N[+])

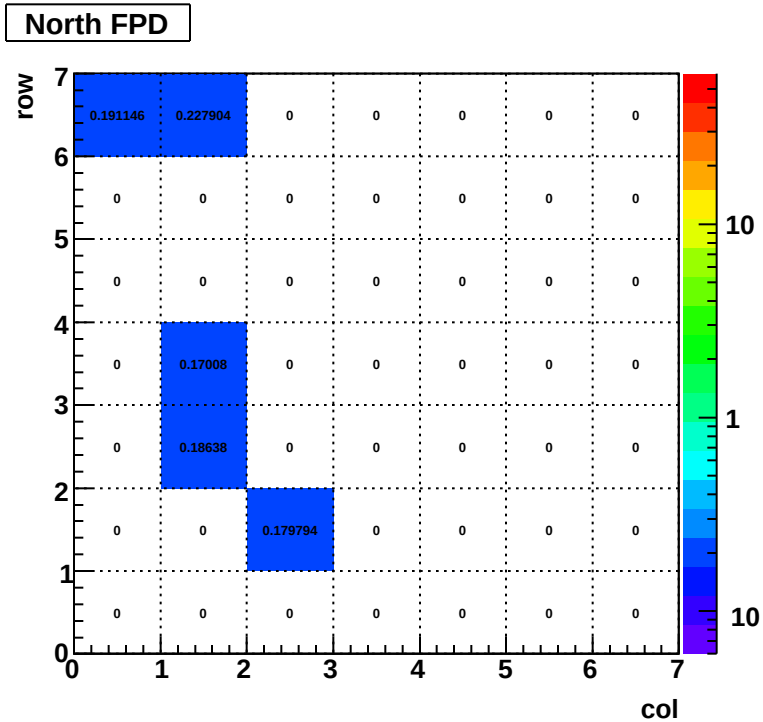
(1) Energy=56.632511 Y=-3.758966 Phi=0.126003

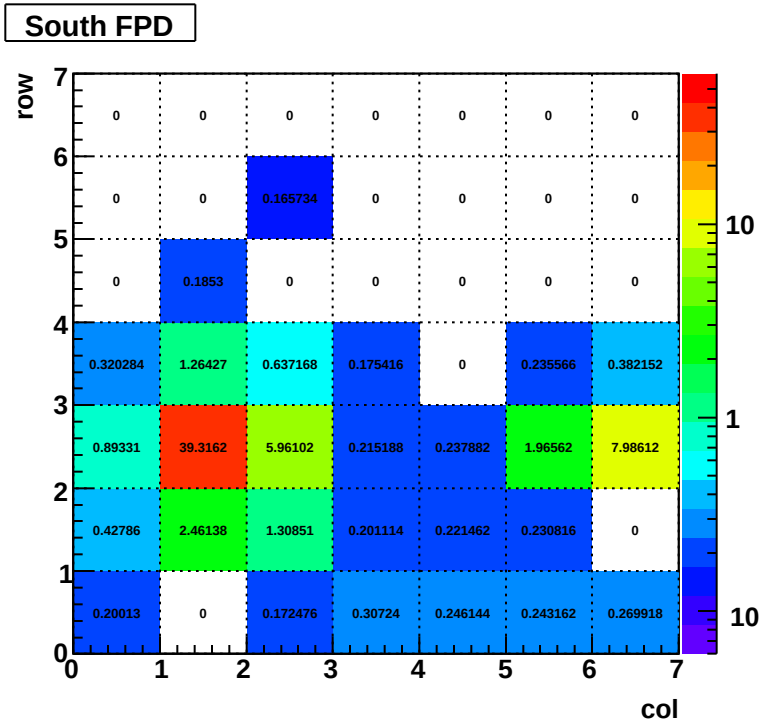
(2) Energy=11.569121 Y=-3.395577 Phi=0.079701

M12=0.526 Y12=-3.687 Phi12=0.115 E12=68.202

SumN(-) = 35 SumN(+)= 43 AN/.6=0.171







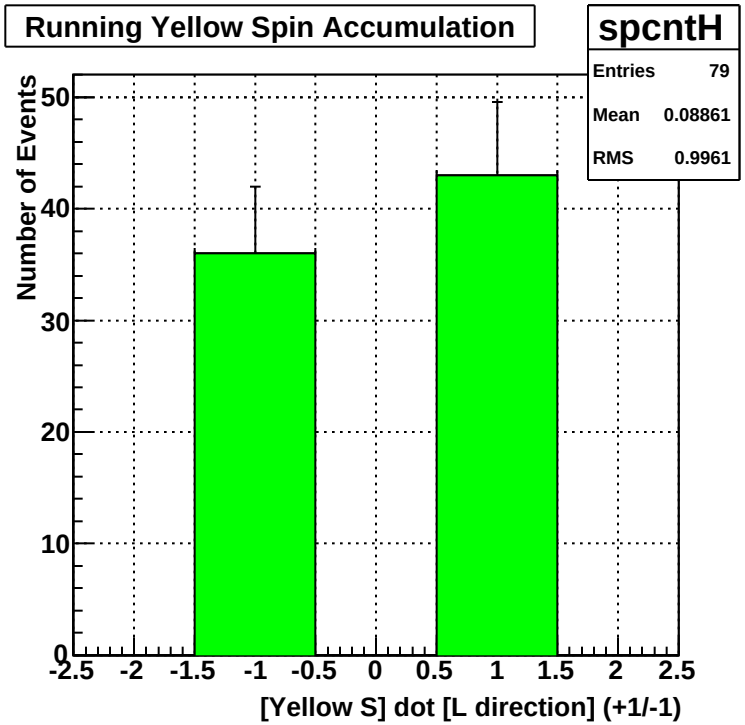
79) Rnum=7119070 EventN=1008221 (0 Yd-N[-])

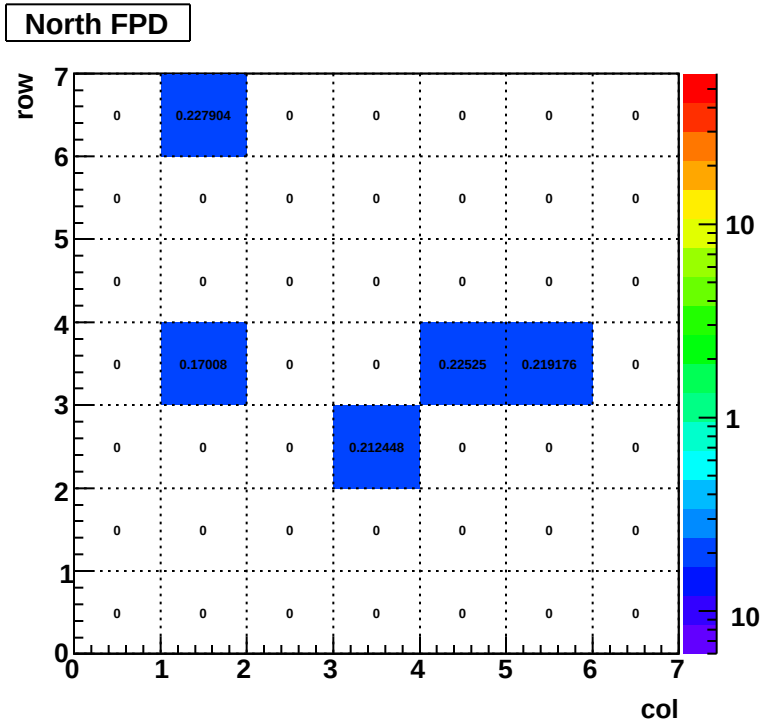
(1) Energy=41.816093 Y=-3.922683 Phi=-0.001883

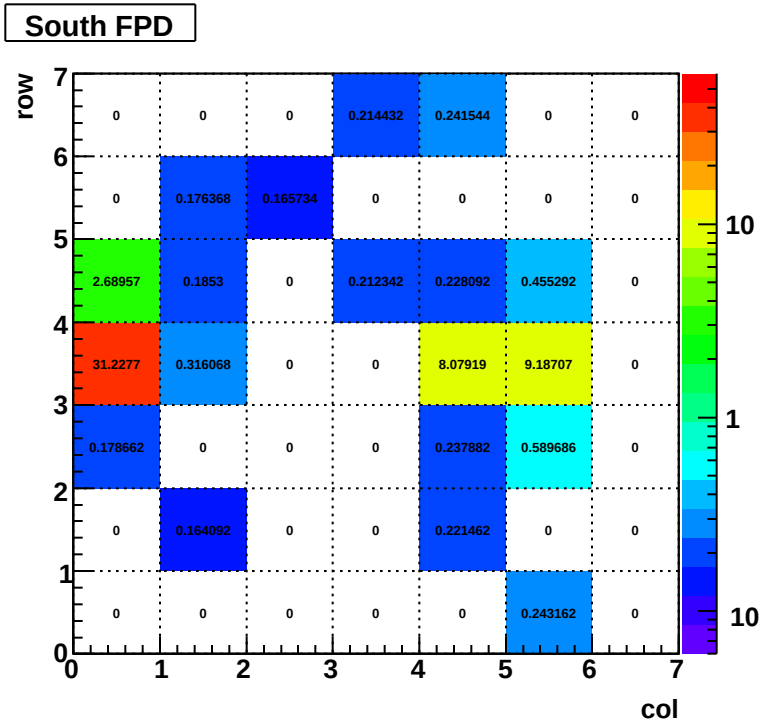
(2) Energy=19.118959 Y=-3.481662 Phi=0.017513

M12=0.620 Y12=-3.762 Phi12=0.006 E12=60.935

SumN(-) = 36 SumN(+)= 43 AN/.6=0.148







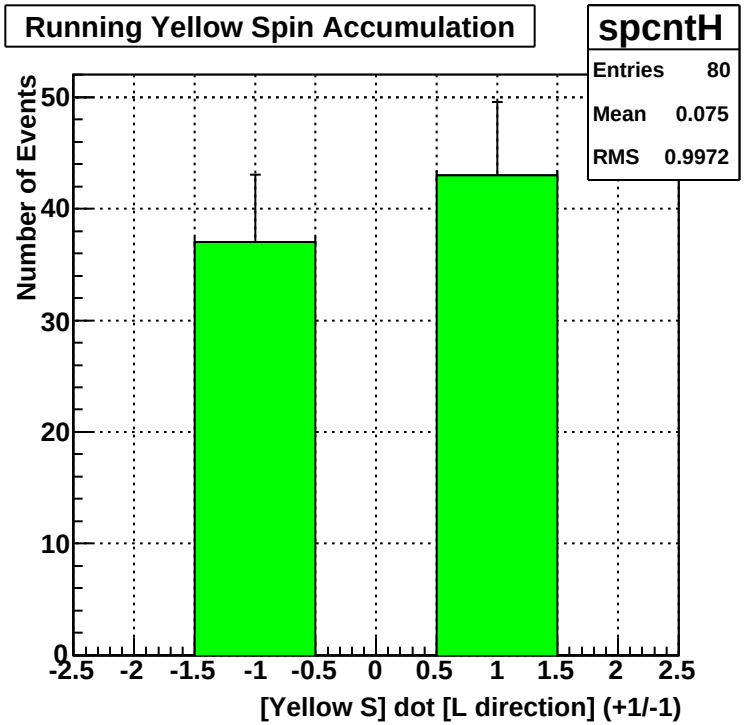
80) Rnum=7119070 EventN=2504084 (2 Yd-N[-])

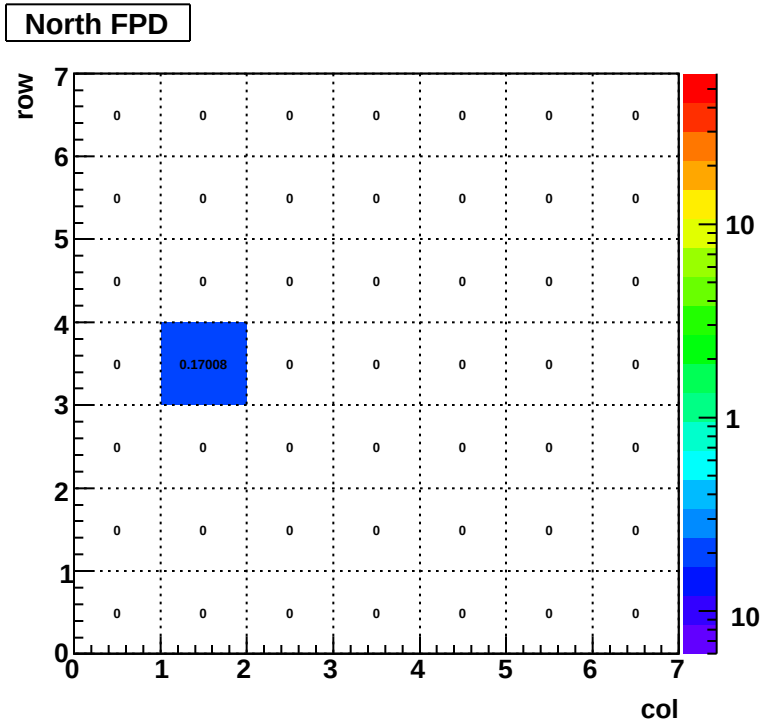
(1) Energy=34.259750 Y=-3.914996 Phi=0.128376

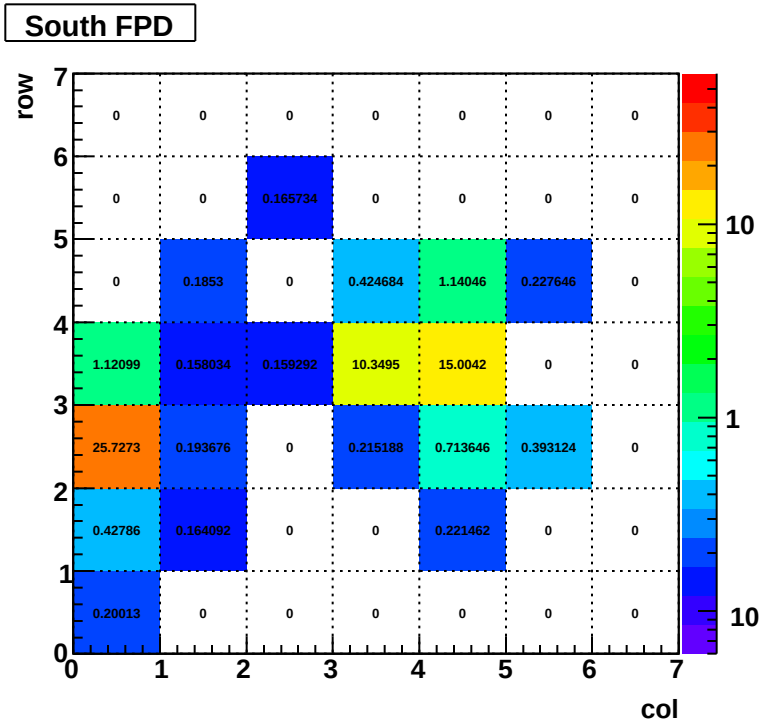
(2) Energy=27.682701 Y=-3.560526 Phi=0.006496

M12=0.552 Y12=-3.743 Phi12=0.063 E12=61.942

SumN(-) = 37 SumN(+)= 43 AN/.6=0.125







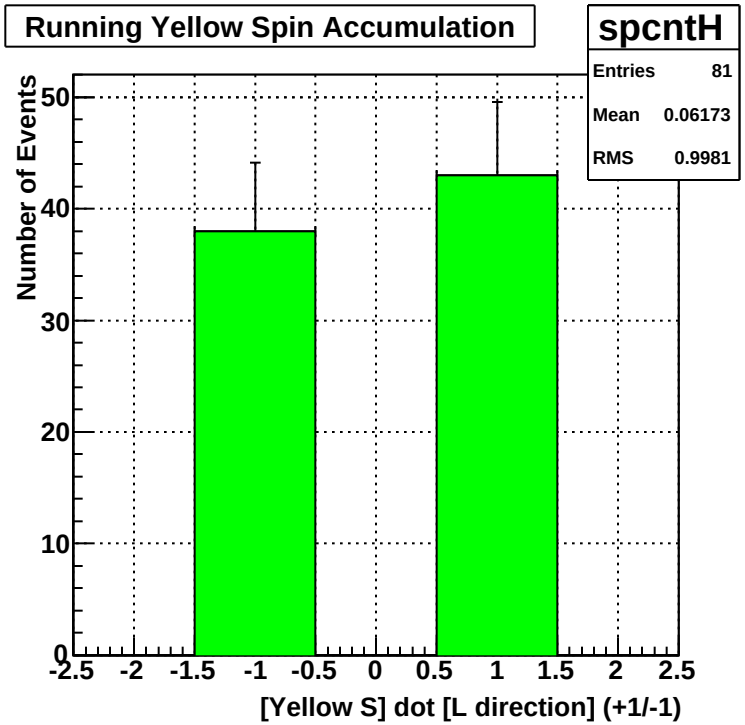
81) Rnum=7119089 EventN=4106772 (1 Yu-S[-])

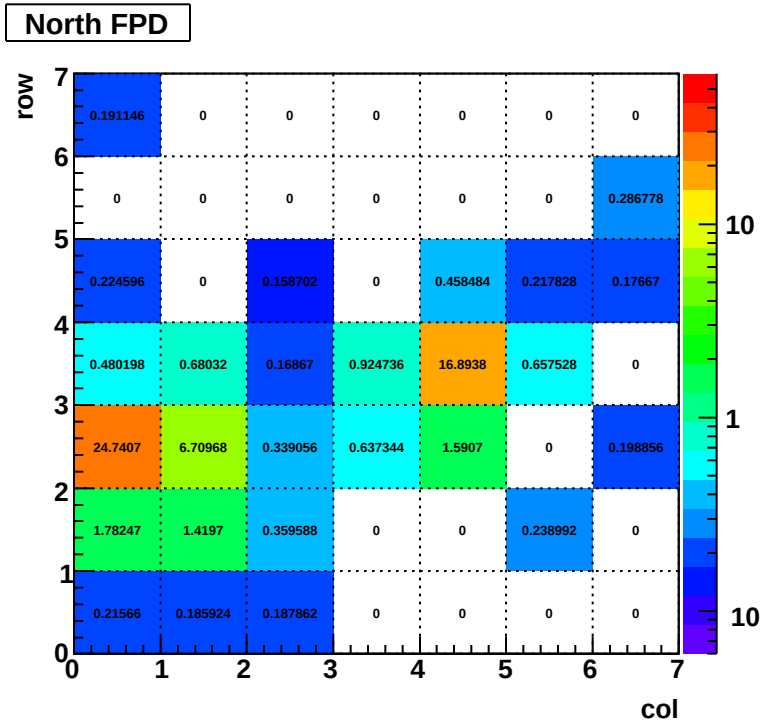
(1) Energy=38.431087 Y=-3.852159 Phi=2.996575

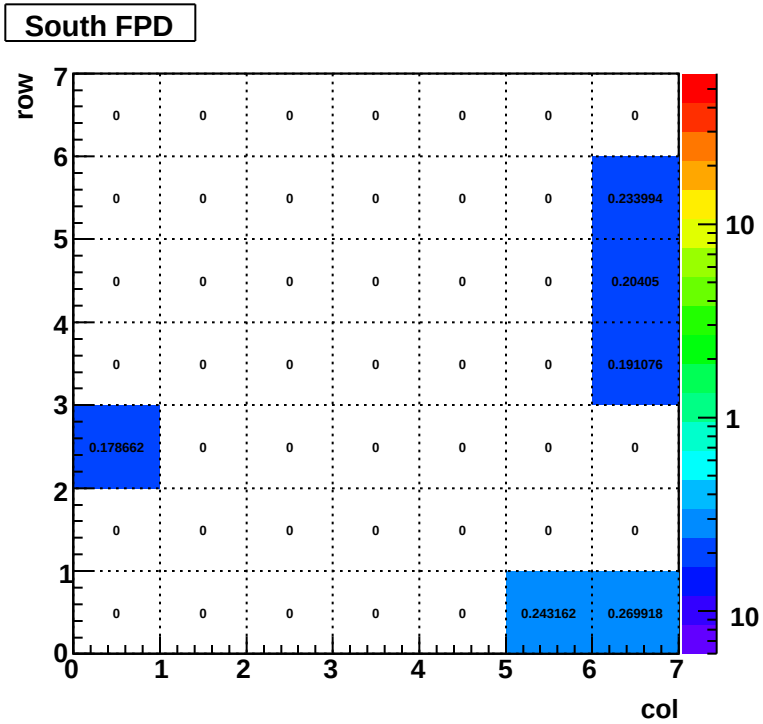
(2) Energy=21.709232 Y=-3.527003 Phi=3.113981

M12=0.501 Y12=-3.724 Phi12=3.048 E12=60.140

SumN(-) = 38 SumN(+)= 43 AN/.6=0.103







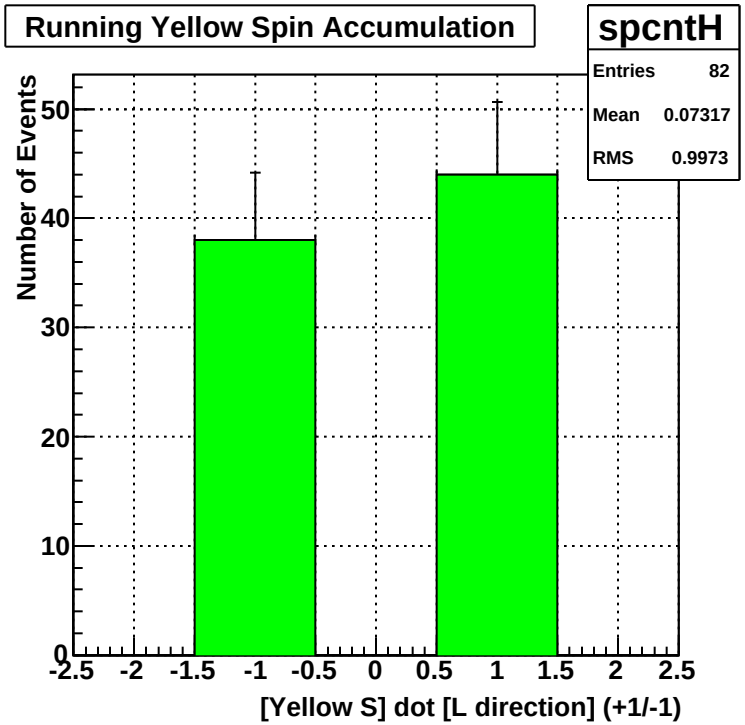
82) Rnum=7119089 EventN=2602939 (0 Yd-S[+])

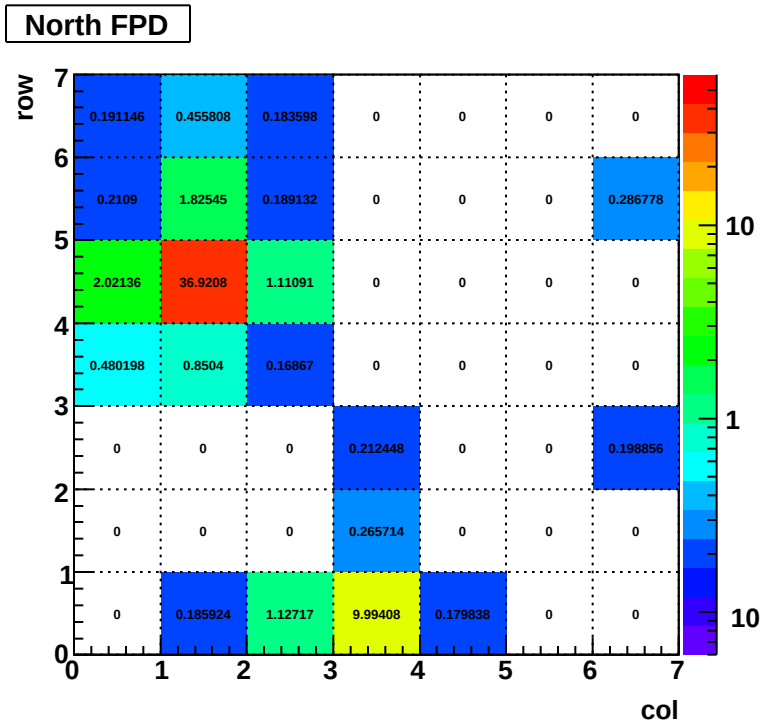
(1) Energy=48.088985 Y=-3.795908 Phi=-3.046922

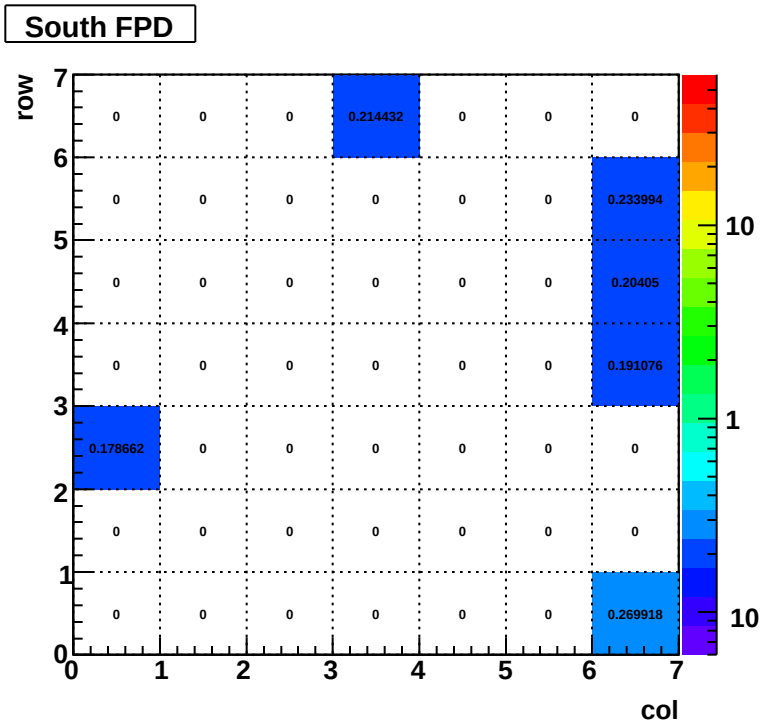
(2) Energy=13.692535 Y=-3.583687 Phi=2.854666

M12=0.557 Y12=-3.759 Phi12=3.138 E12=61.782

SumN(-) = 38 SumN(+)= 44 AN/.6=0.122







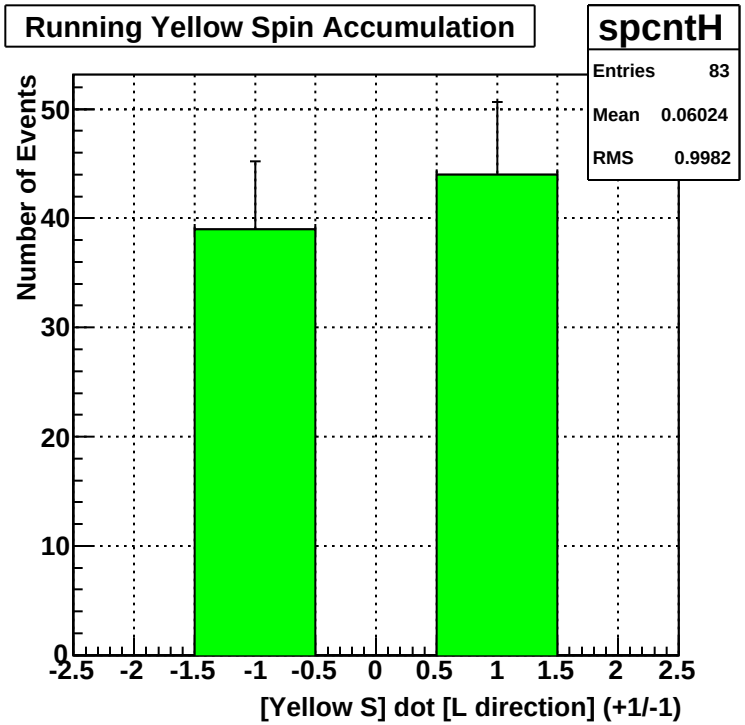
83) Rnum=7119091 EventN=3909417 (0 Yd-N[-])

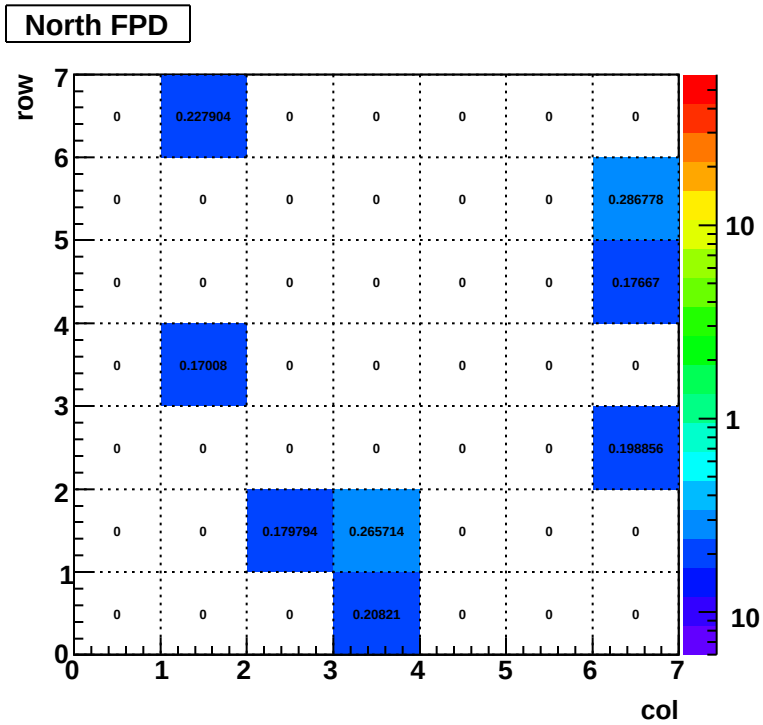
(1) Energy=40.420921 Y=-3.752619 Phi=-0.123613

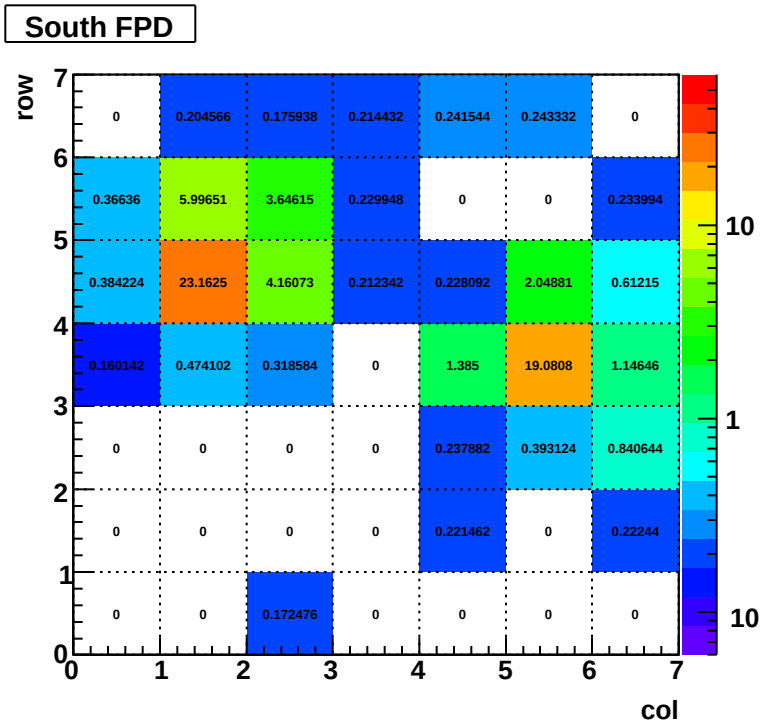
(2) Energy=24.269341 Y=-3.446714 Phi=-0.003972

M12=0.564 Y12=-3.628 Phi12=-0.070 E12=64.690

SumN(-) = 39 SumN(+)= 44 AN/.6=0.100







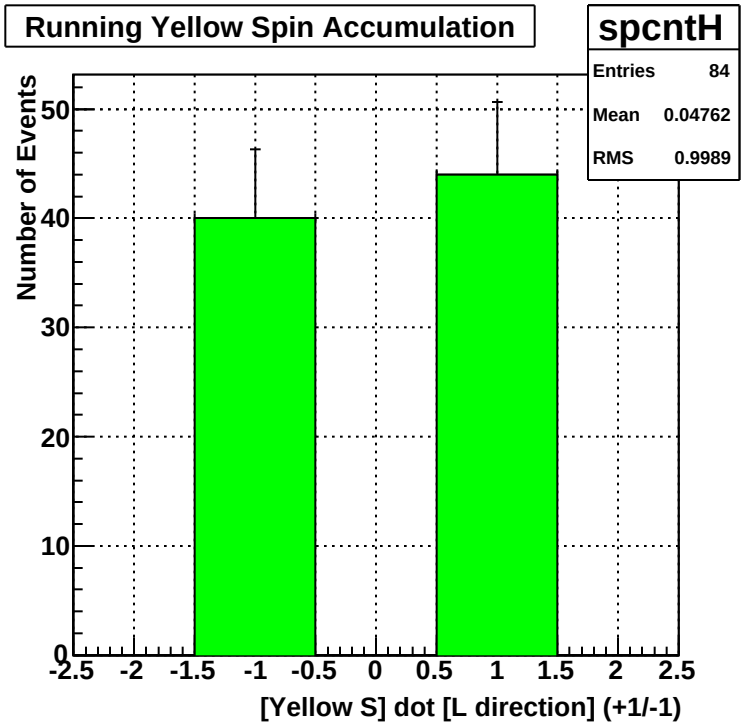
84) Rnum=7119091 EventN=2609526 (3 Yu-S[-])

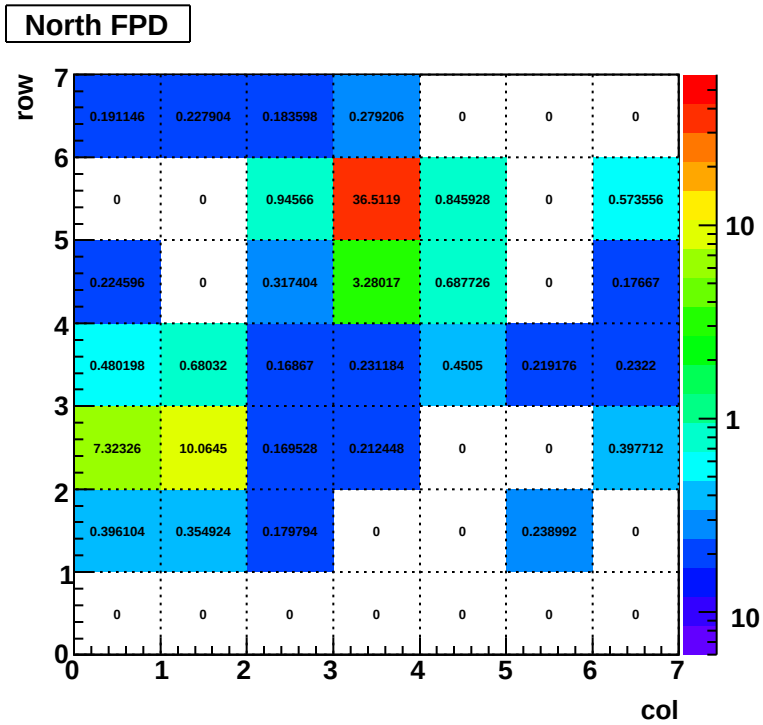
(1) Energy=46.365314 Y=-3.594609 Phi=-2.998849

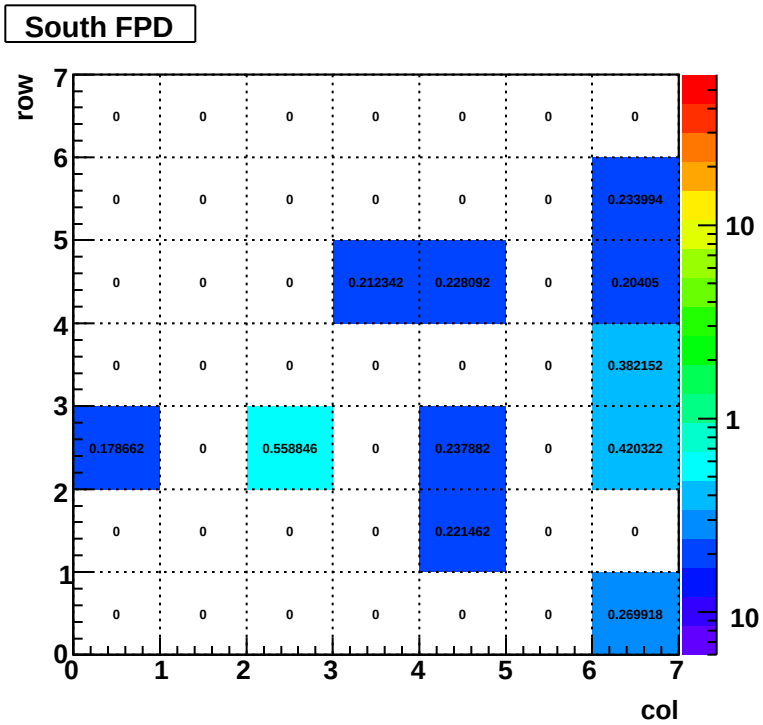
(2) Energy=20.637297 Y=-3.838467 Phi=3.022140

M12=0.538 Y12=-3.670 Phi12=-3.066 E12=67.003

SumN(-) = 40 SumN(+)= 44 AN/.6=0.079







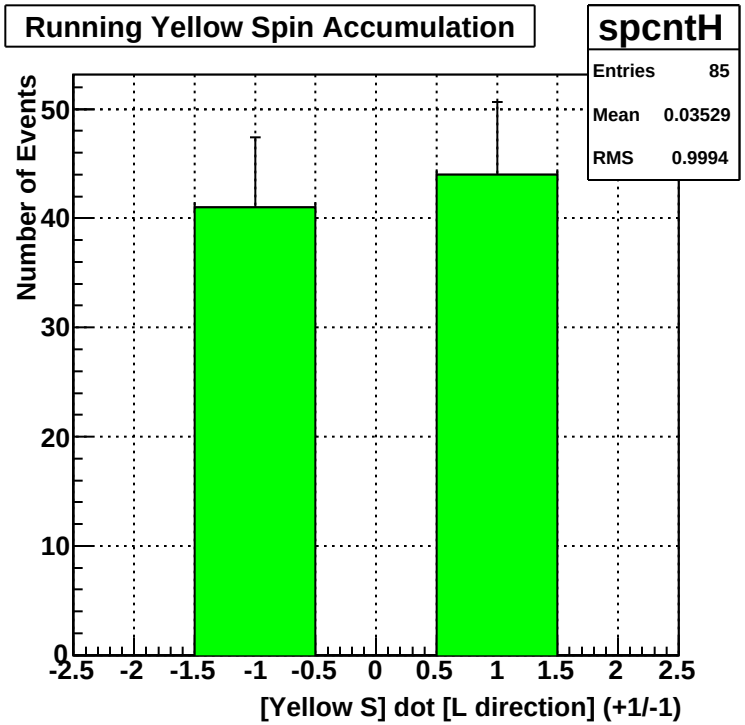
85) Rnum=7128002 EventN=1503008 (1 Yu-S[-])

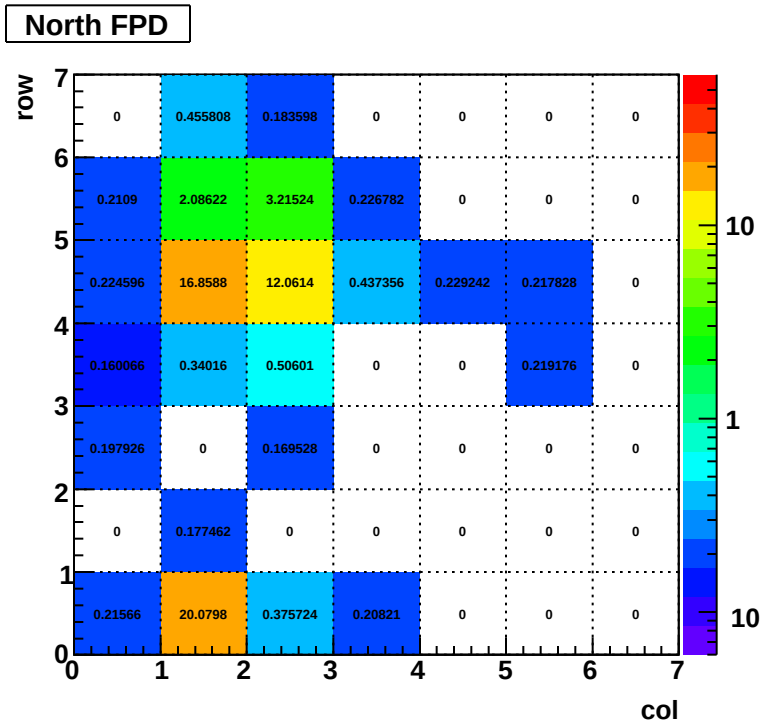
(1) Energy=24.215376 Y=-3.738717 Phi=2.816317

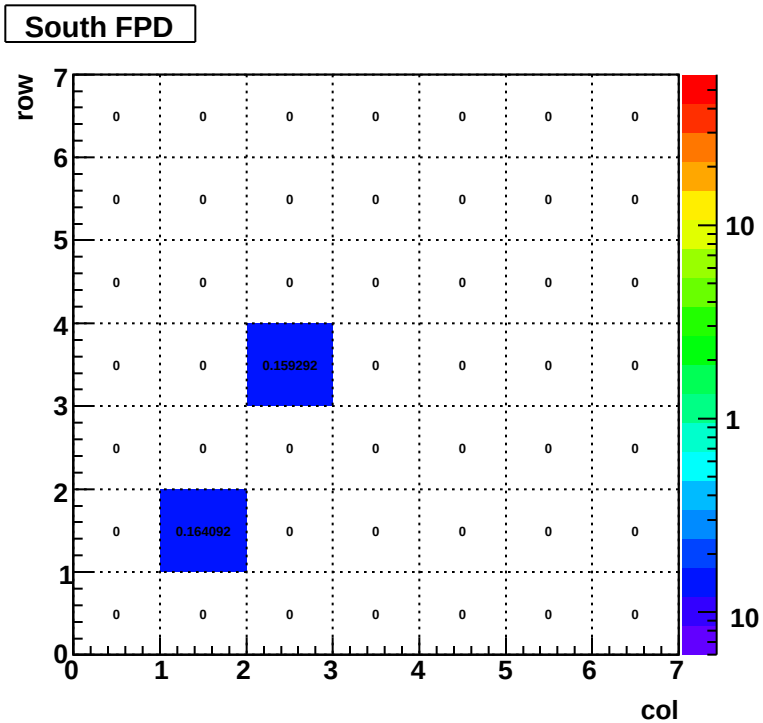
(2) Energy=37.057137 Y=-3.739584 Phi=-3.030378

M12=0.617 Y12=-3.762 Phi12=3.081 E12=61.273

SumN(-) = 41 SumN(+)= 44 AN/.6=0.059







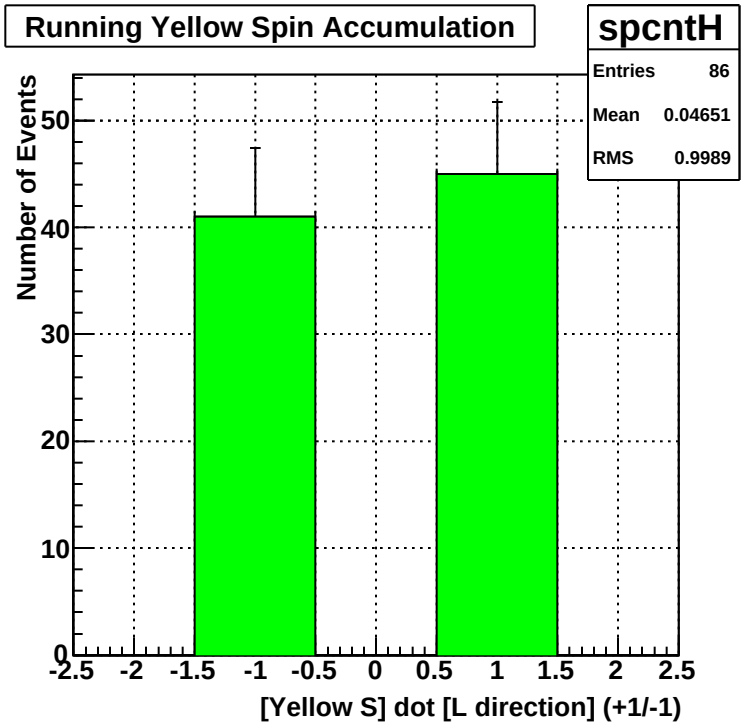
86) Rnum=7128005 EventN=9909518 (0 Yd-S[+])

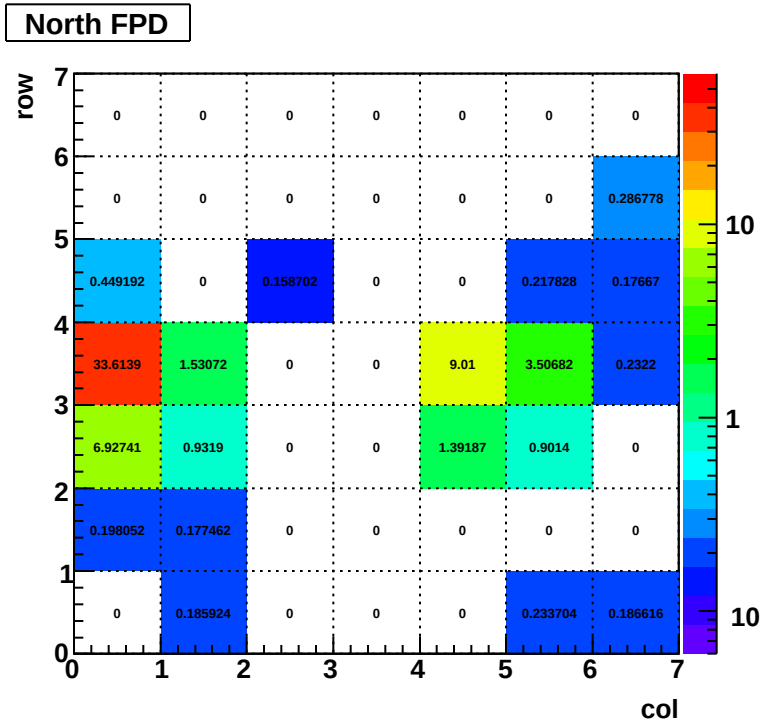
(1) Energy=48.133202 Y=-3.902024 Phi=3.086177

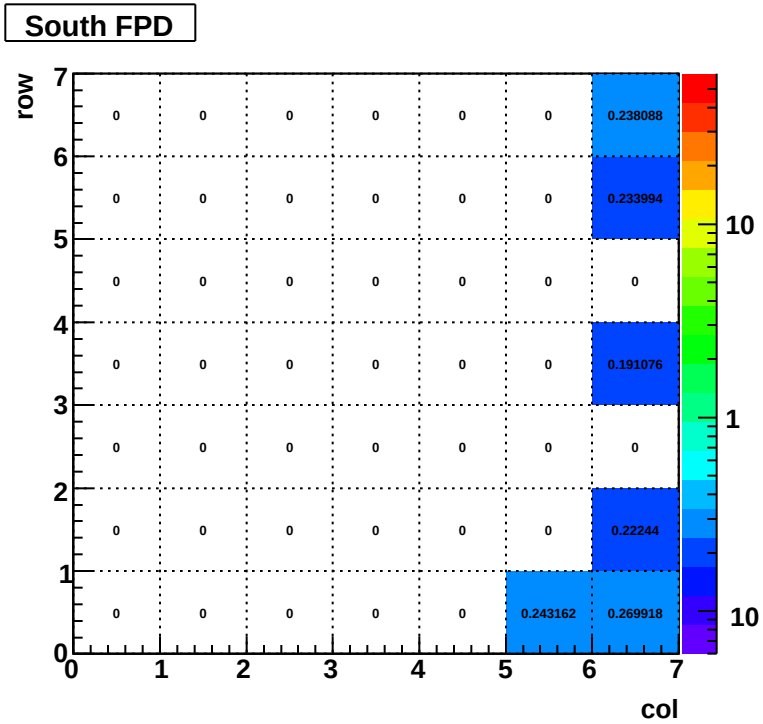
(2) Energy=15.888704 Y=-3.488375 Phi=3.108283

M12=0.573 Y12=-3.782 Phi12=3.094 E12=64.022

SumN(-) = 41 SumN(+)= 45 AN/.6=0.078







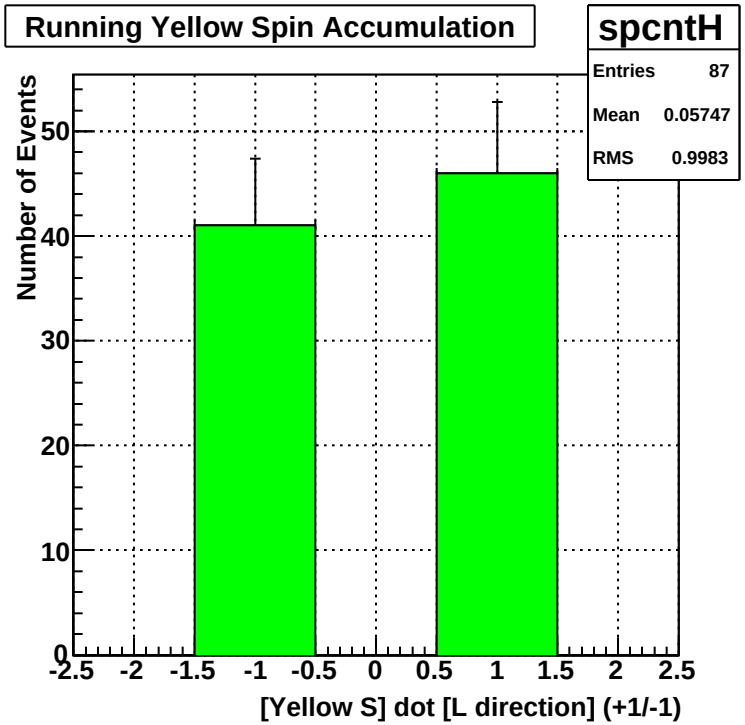
87) Rnum=7128005 EventN=2501410 (0 Yd-S[+])

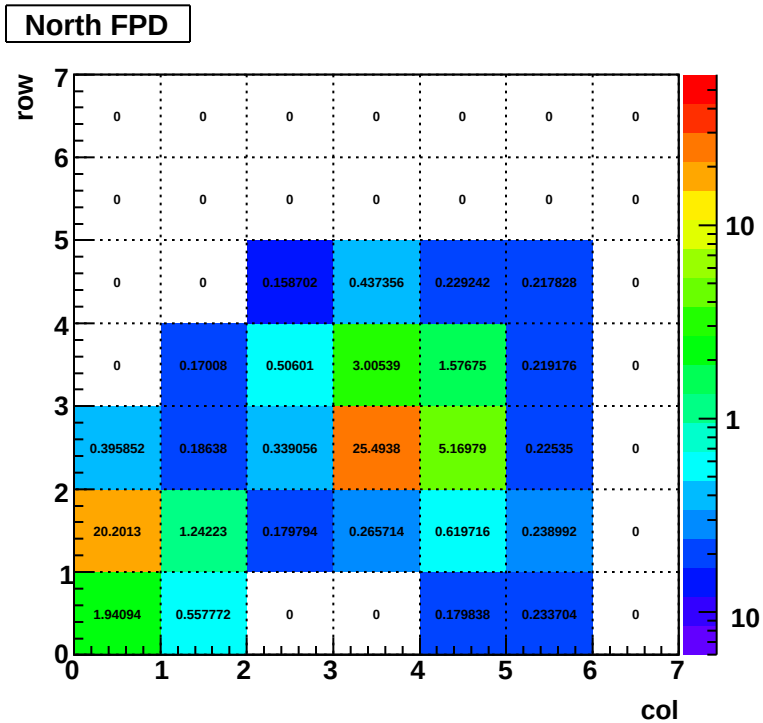
(1) Energy=38.428852 Y=-3.573911 Phi=3.065300

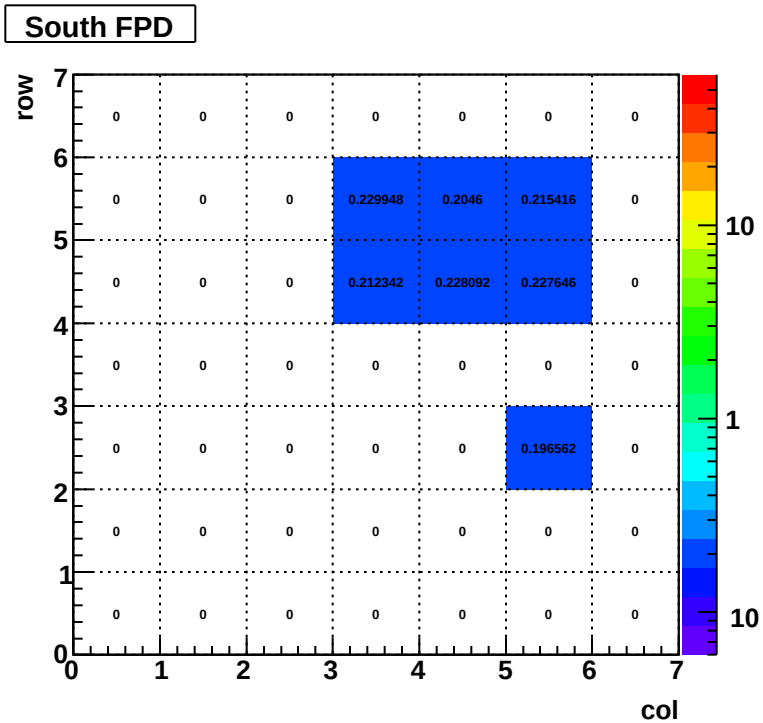
(2) Energy=26.695185 Y=-3.858870 Phi=2.877414

M12=0.532 Y12=-3.685 Phi12=3.001 E12=65.124

SumN(-) = 41 SumN(+)= 46 AN/.6=0.096







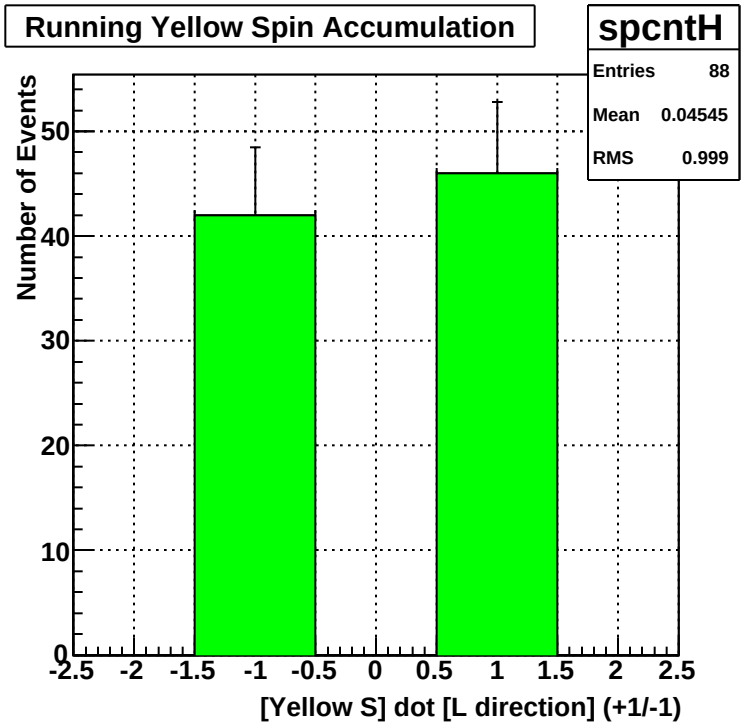
88) Rnum=7128008 EventN=907785 (1 Yu-S[-])

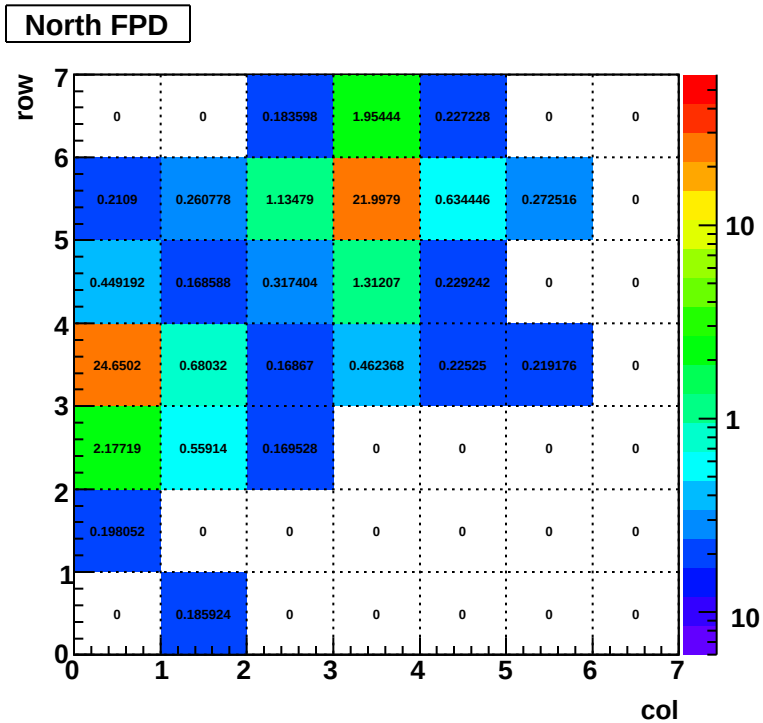
(1) Energy=32.594837 Y=-3.917413 Phi=3.101316

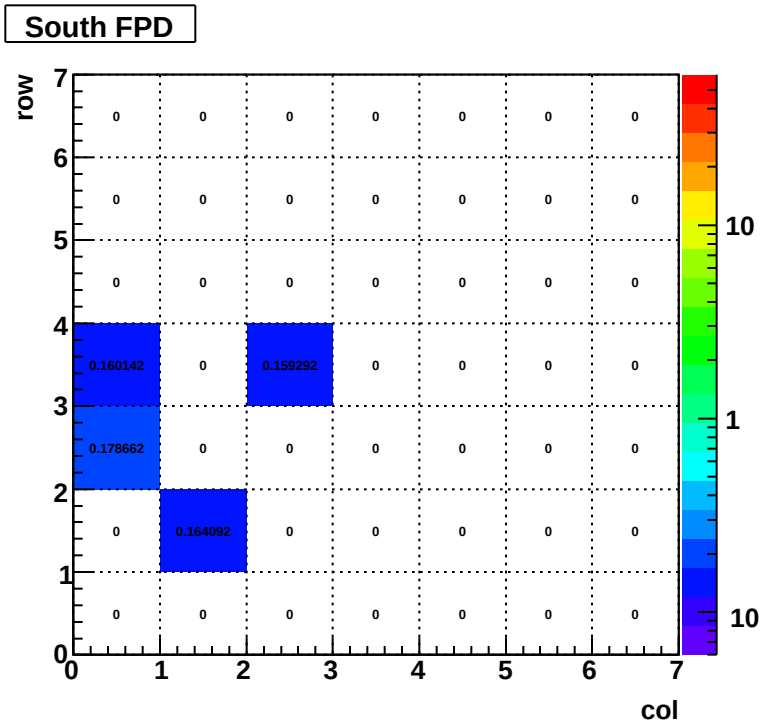
(2) Energy=28.384361 Y=-3.595252 Phi=-2.973522

M12=0.547 Y12=-3.760 Phi12=-3.068 E12=60.979

SumN(-) = 42 SumN(+)= 46 AN/.6=0.076







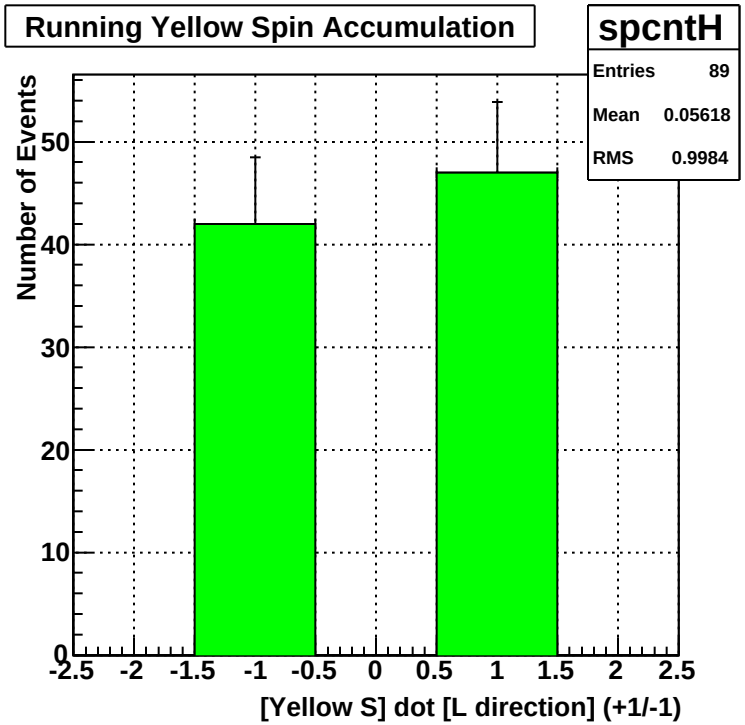
89) Rnum=7128013 EventN=3601543 (1 Yu-N[+])

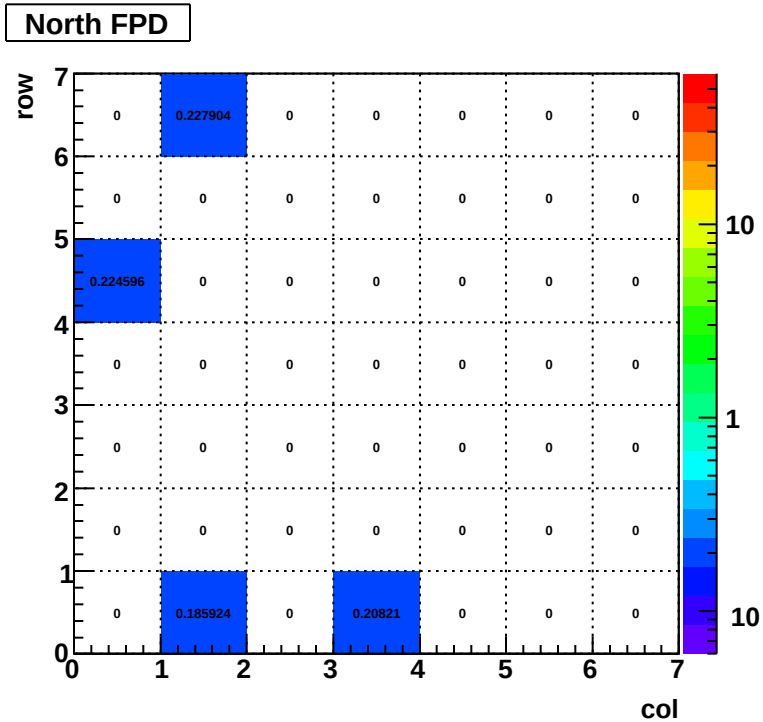
(1) Energy=29.050901 Y=-3.893836 Phi=-0.220642

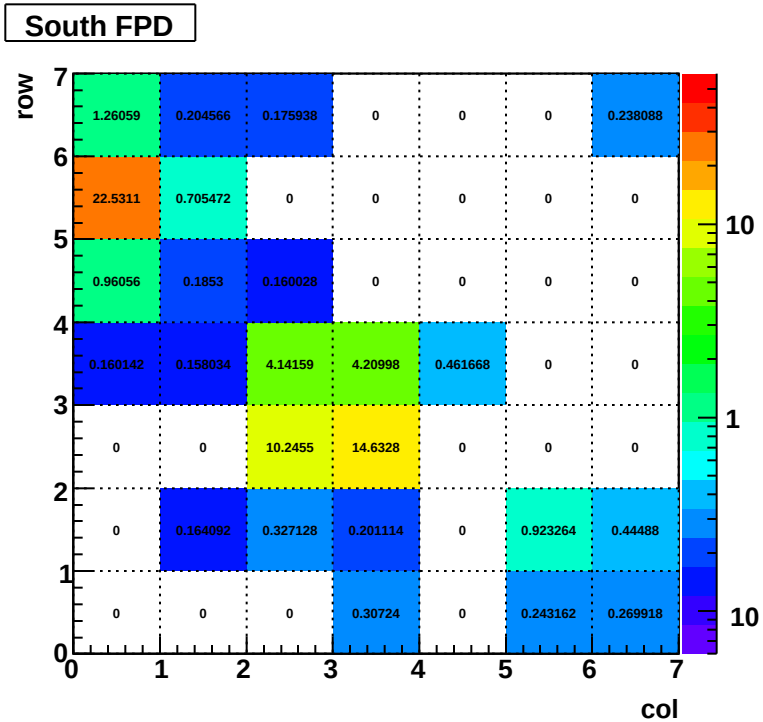
(2) Energy=35.988583 Y=-3.644357 Phi=0.068907

M12=0.569 Y12=-3.758 Phi12=-0.043 E12=65.039

SumN(-) = 42 SumN(+)= 47 AN/.6=0.094







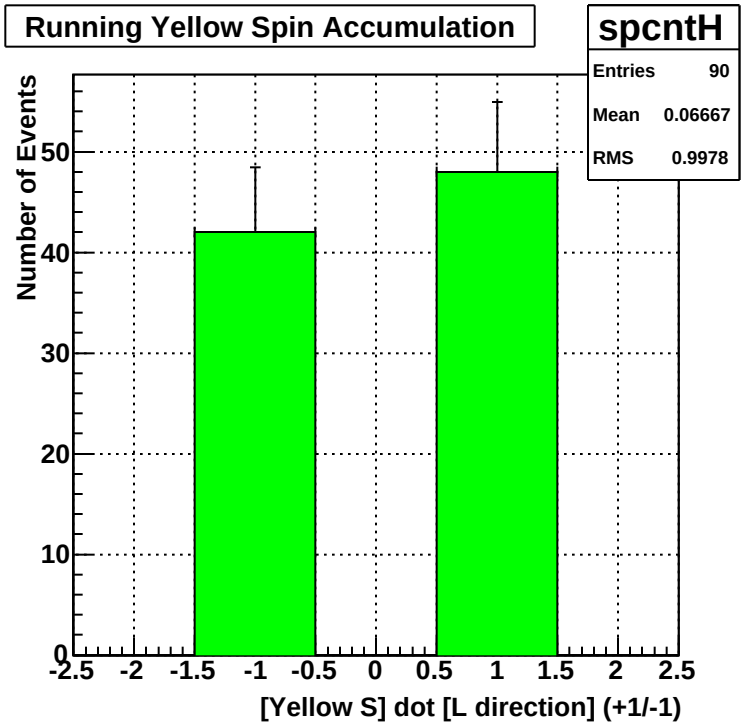
90) Rnum=7128013 EventN=5608327 (0 Yd-S[+])

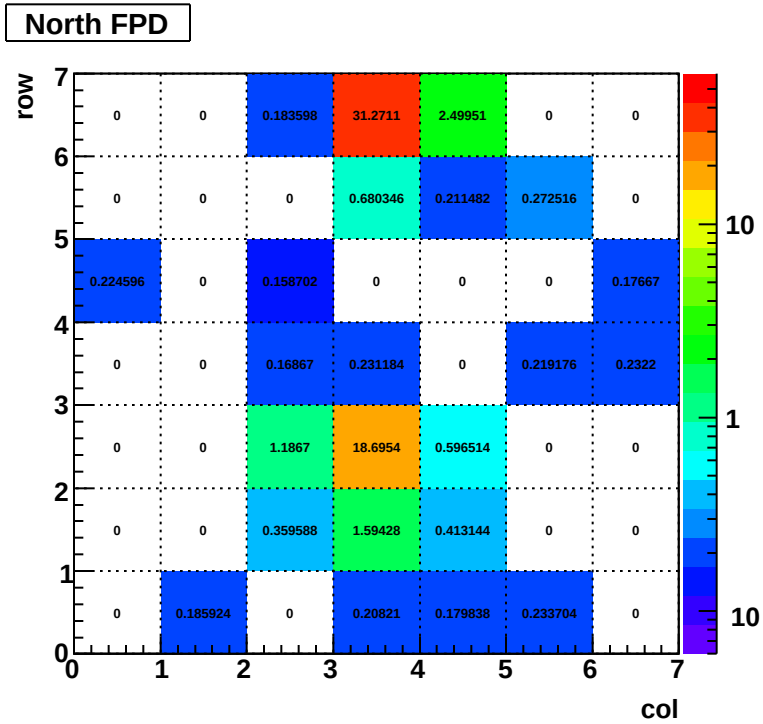
(1) Energy=40.386303 Y=-3.558941 Phi=-2.892615

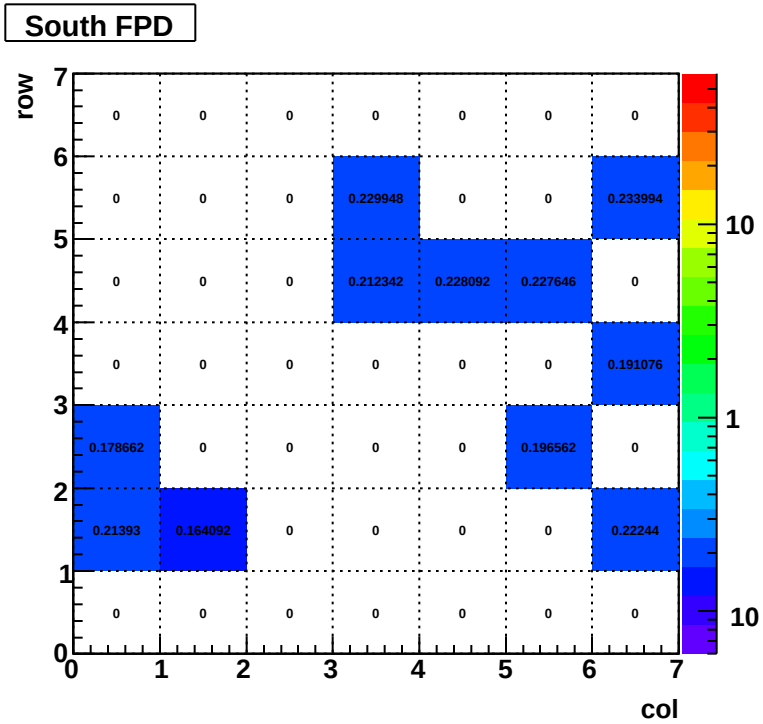
(2) Energy=24.274544 Y=-3.605698 Phi=3.028854

M12=0.631 Y12=-3.591 Phi12=-3.024 E12=64.661

SumN(-) = 42 SumN(+)= 48 AN/.6=0.111







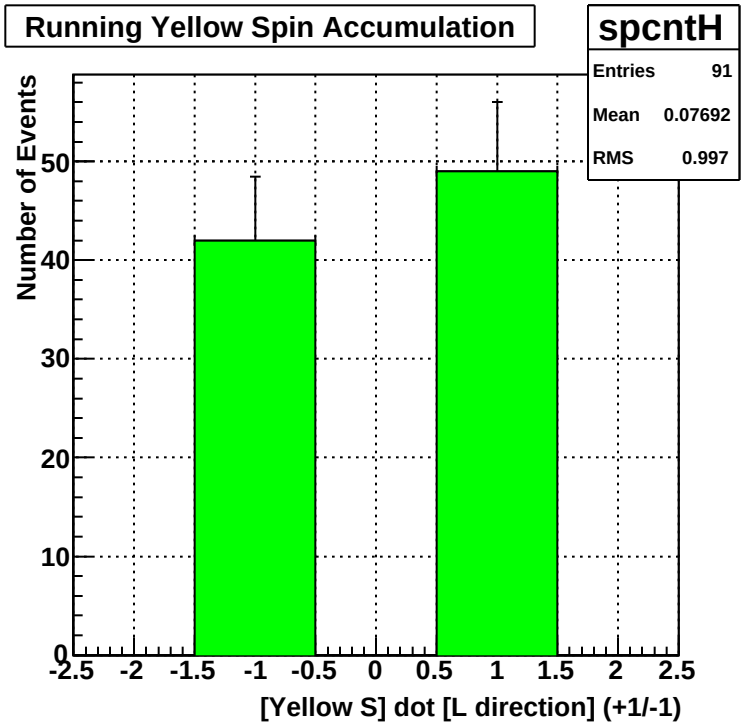
91) Rnum=7128022 EventN=2102688 (3 Yu-N[+])

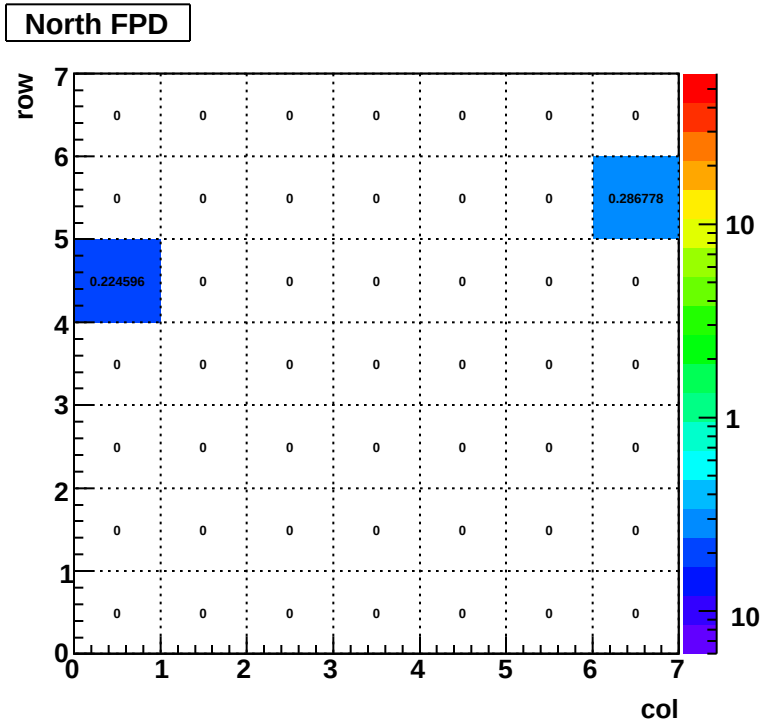
(1) Energy=38.949463 Y=-3.840144 Phi=0.063859

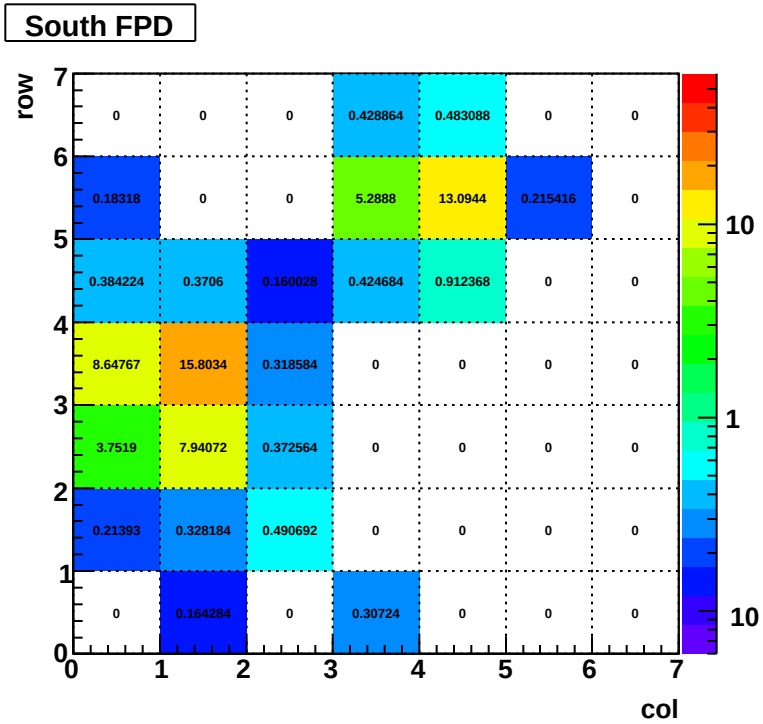
(2) Energy=21.831636 Y=-3.544851 Phi=-0.146708

M12=0.528 Y12=-3.729 Phi12=-0.027 E12=60.781

SumN(-) = 42 SumN(+)= 49 AN/.6=0.128







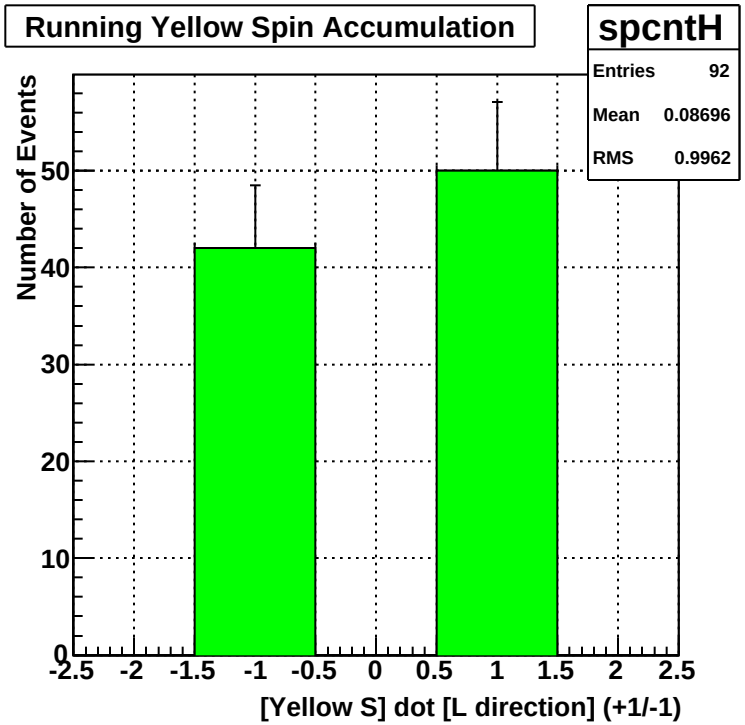
92) Rnum=7128023 EventN=5903863 (1 Yu-N[+])

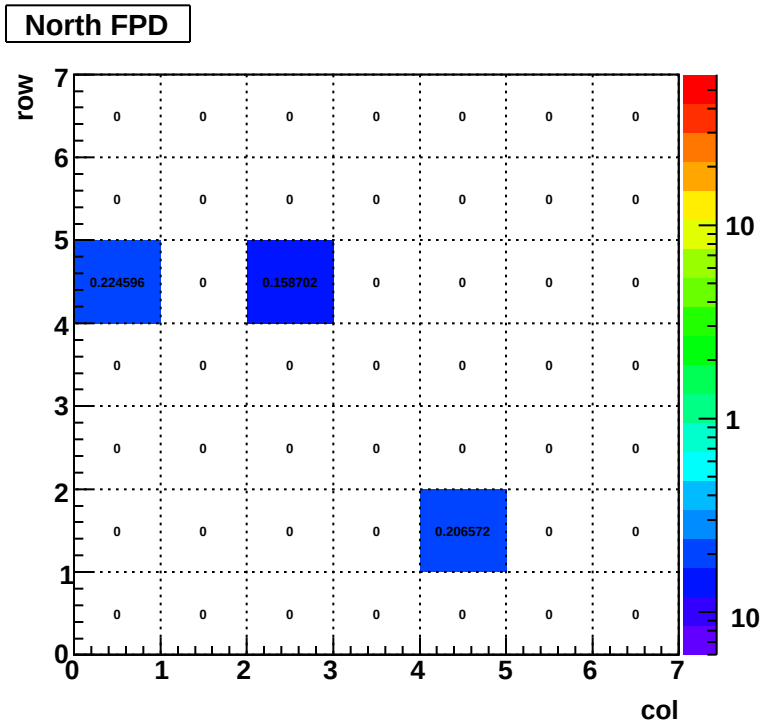
(1) Energy=30.388742 Y=-3.503871 Phi=-0.160164

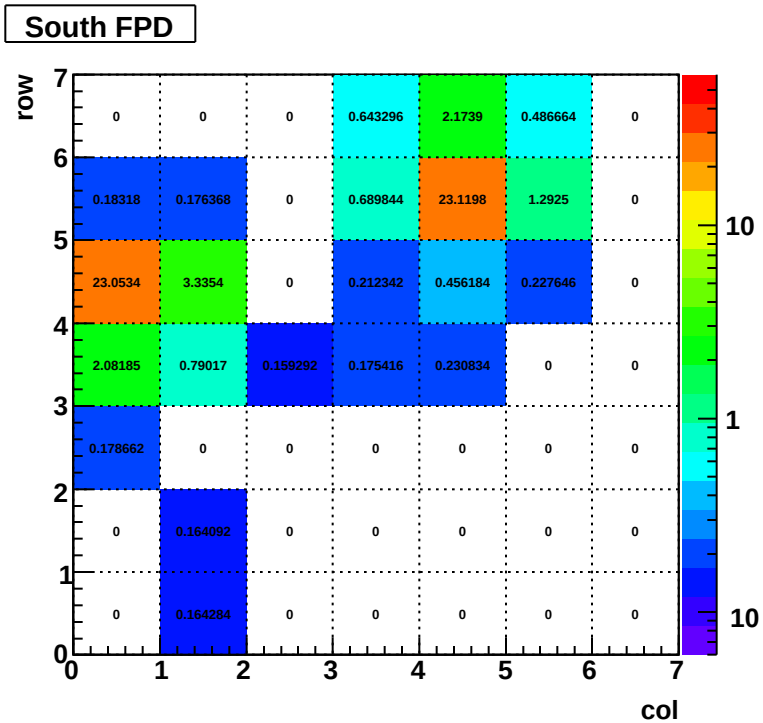
(2) Energy=32.220333 Y=-3.871822 Phi=-0.074068

M12=0.595 Y12=-3.677 Phi12=-0.124 E12=62.609

SumN(-) = 42 SumN(+)= 50 AN/.6=0.145







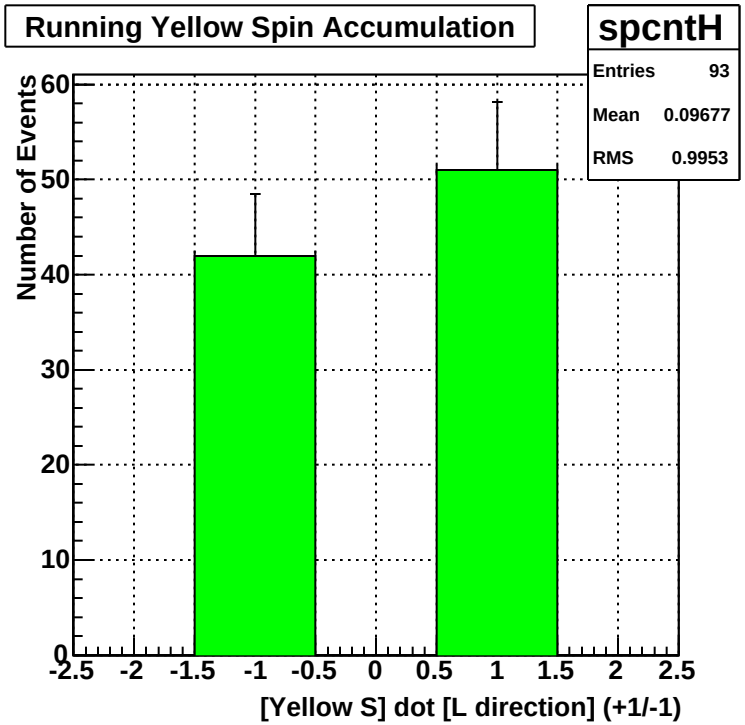
93) Rnum=7128025 EventN=3009166 (1 Yu-N[+])

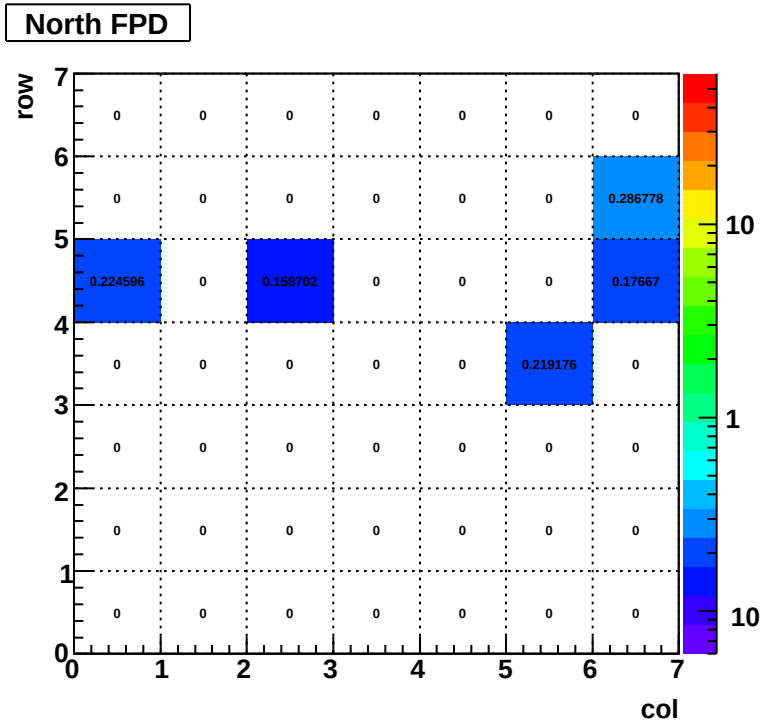
(1) Energy=34.093613 Y=-3.927809 Phi=0.091165

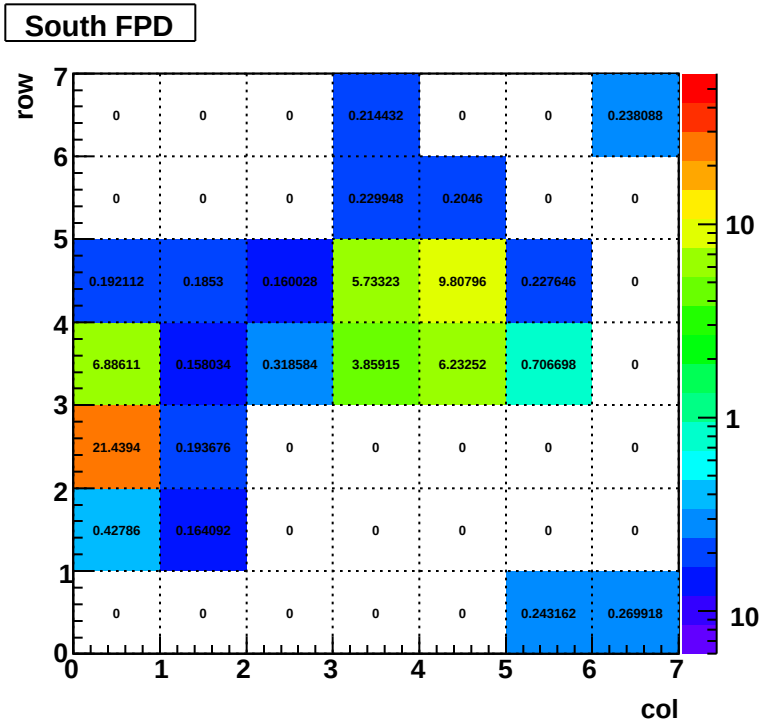
(2) Energy=27.865784 Y=-3.558339 Phi=-0.031917

M12=0.571 Y12=-3.747 Phi12=0.024 E12=61.959

SumN(-) = 42 SumN(+)= 51 AN/.6=0.161







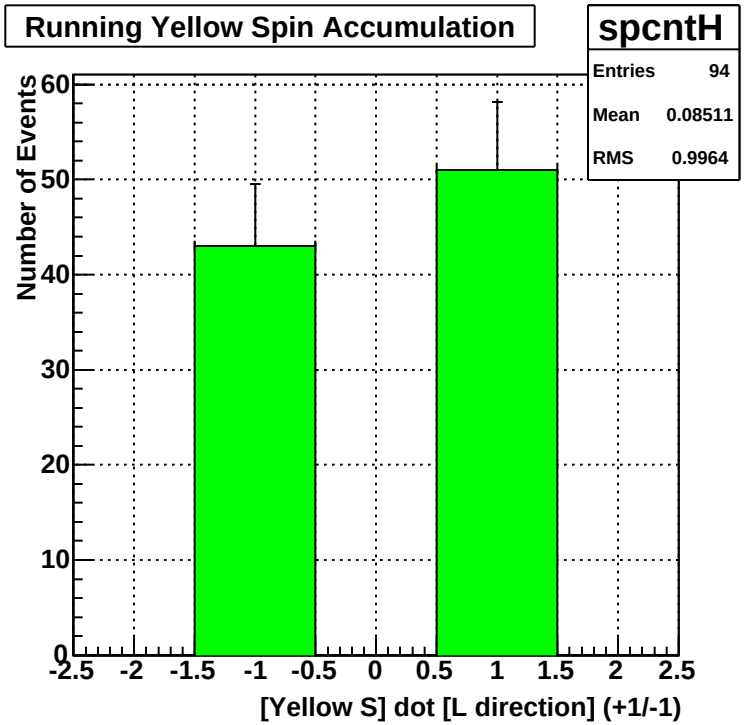
94) Rnum=7128027 EventN=201790 (0 Yd-N[-])

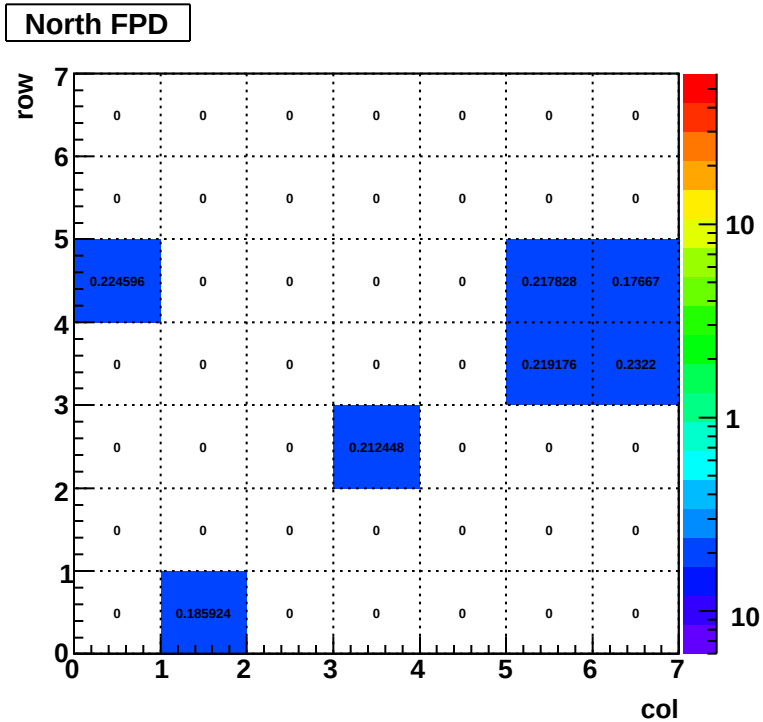
(1) Energy=39.919739 Y=-3.723190 Phi=-0.003173

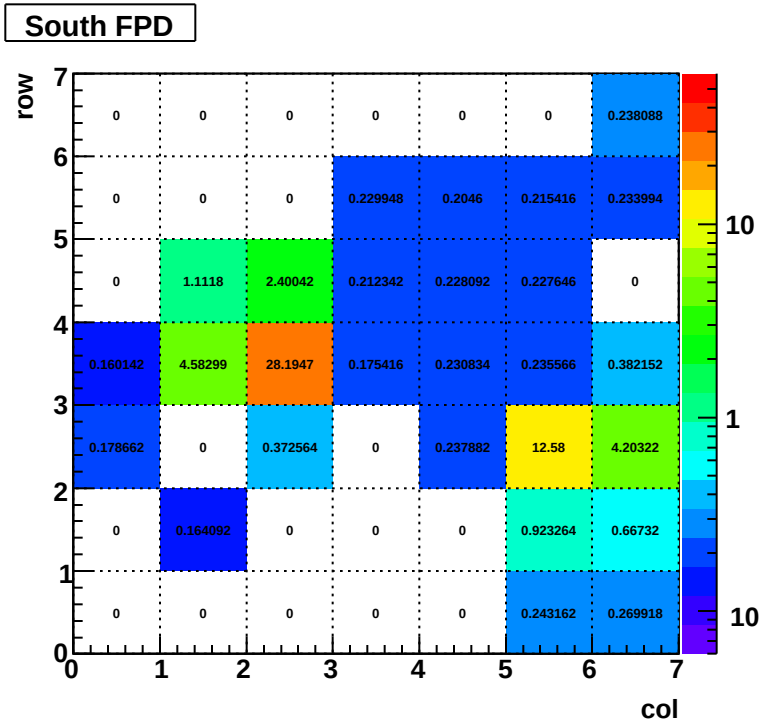
(2) Energy=20.264679 Y=-3.412373 Phi=0.092166

M12=0.523 Y12=-3.609 Phi12=0.036 E12=60.184

SumN(-) = 43 SumN(+)= 51 AN/.6=0.142







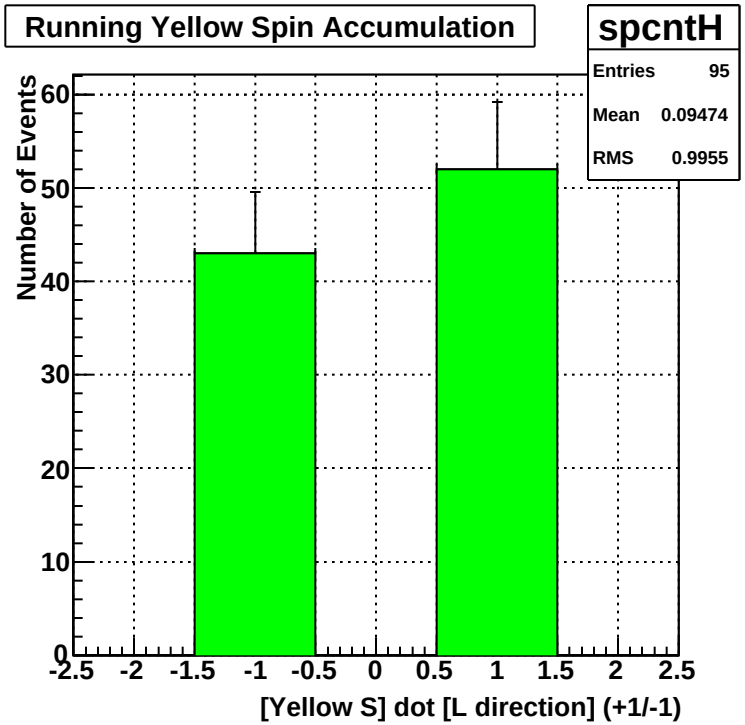
95) Rnum=7128028 EventN=6304623 (2 Yd-S[+])

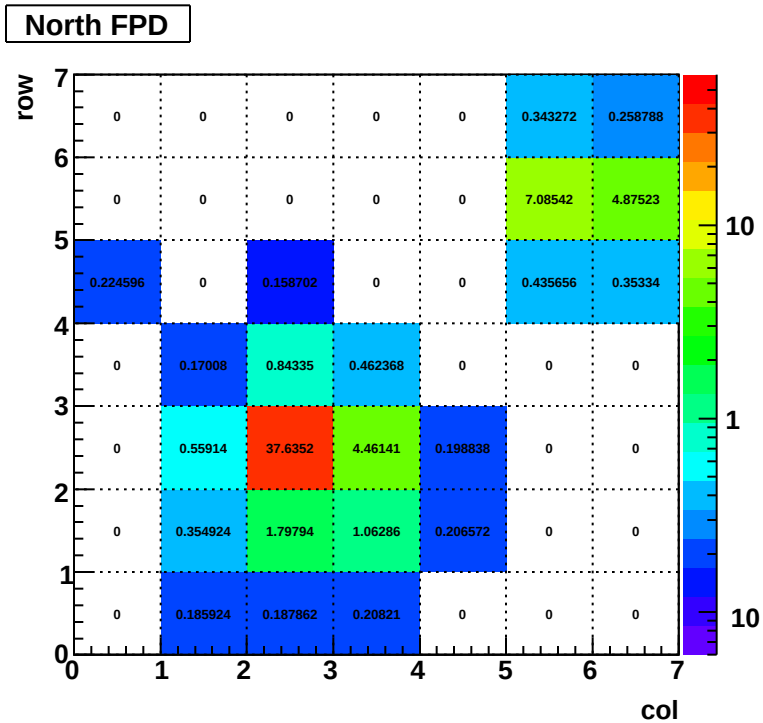
(1) Energy=49.872009 Y=-3.667924 Phi=3.028424

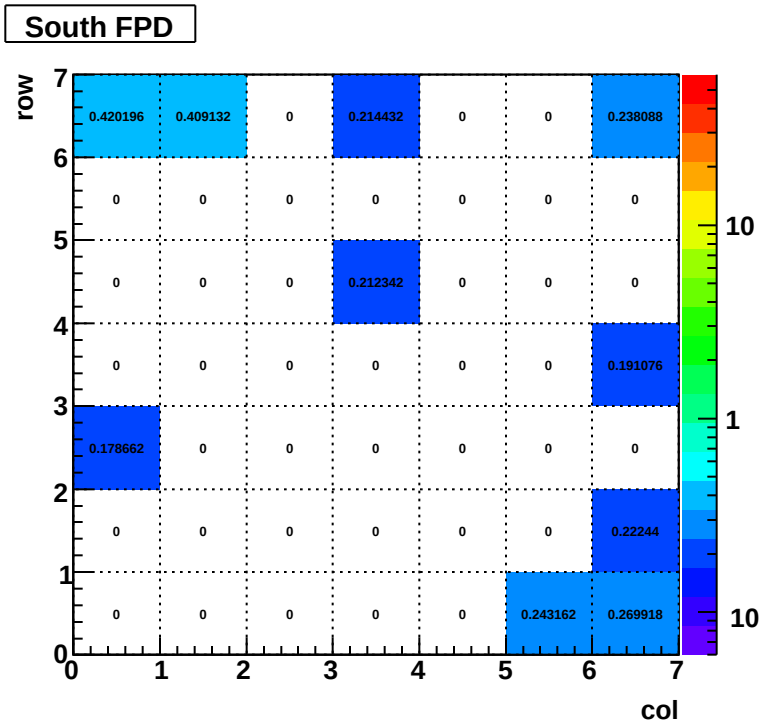
(2) Energy=14.175198 Y=-3.403012 Phi=-3.013138

M12=0.555 Y12=-3.609 Phi12=3.094 E12=64.047

SumN(-) = 43 SumN(+)= 52 AN/.6=0.158







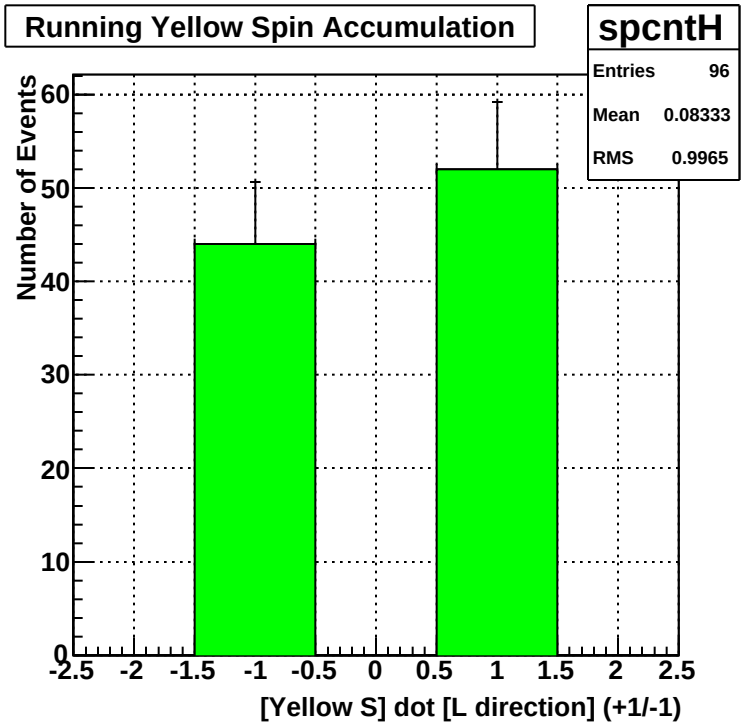
96) Rnum=7128032 EventN=3501691 (3 Yu-S[-])

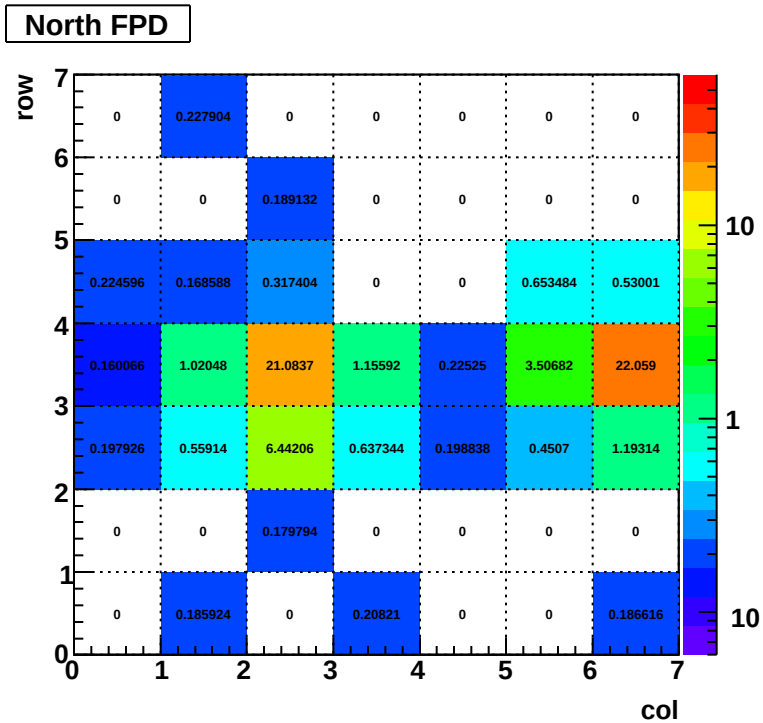
(1) Energy=30.431067 Y=-3.393700 Phi=3.126742

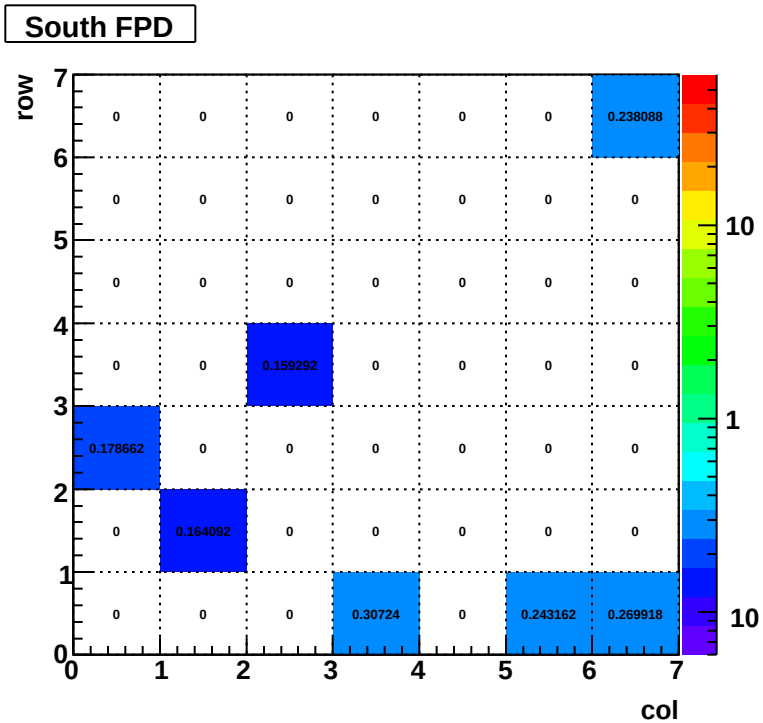
(2) Energy=32.685276 Y=-3.692071 Phi=3.091499

M12=0.550 Y12=-3.537 Phi12=3.111 E12=63.116

SumN(-) = 44 SumN(+)= 52 AN/.6=0.139







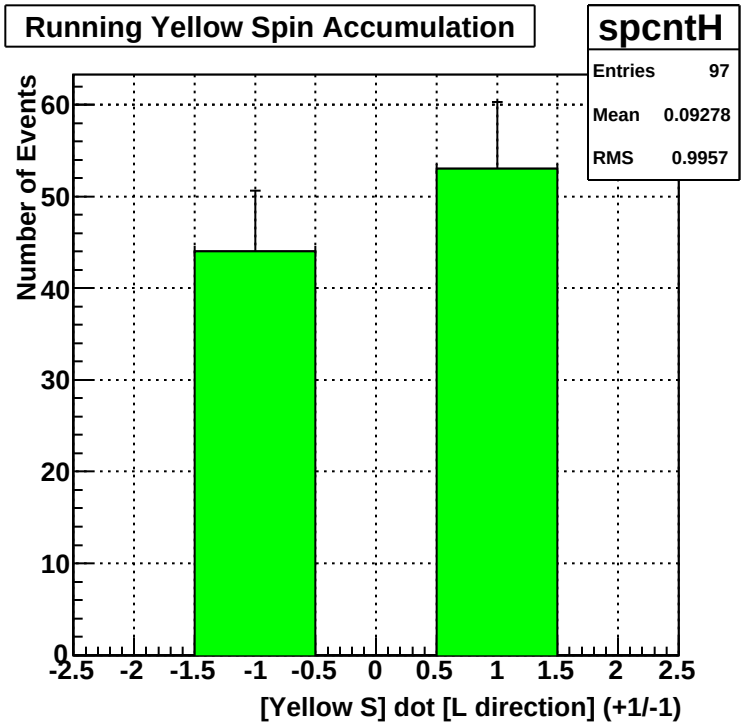
97) Rnum=7128032 EventN=4107252 (2 Yd-S[+])

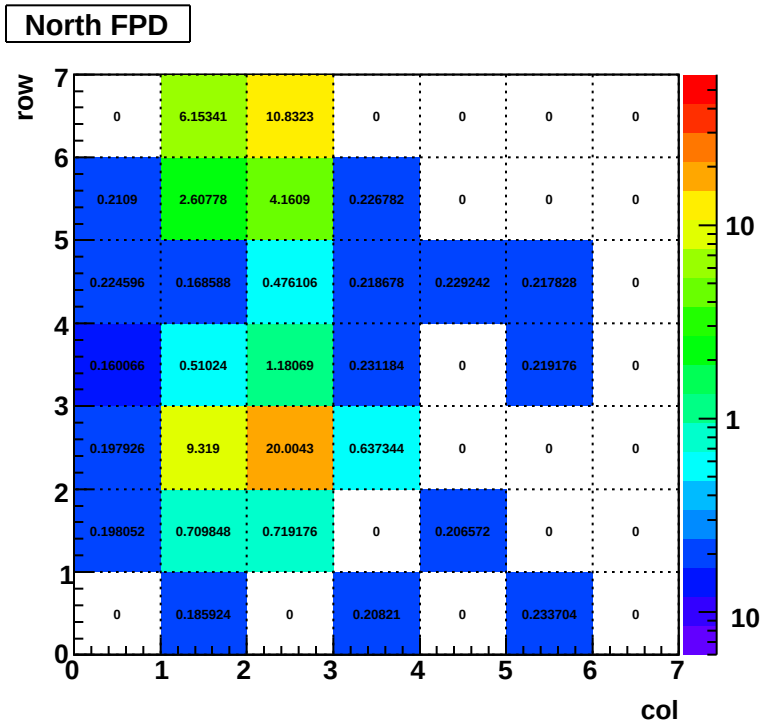
(1) Energy=34.603687 Y=-3.730742 Phi=3.030269

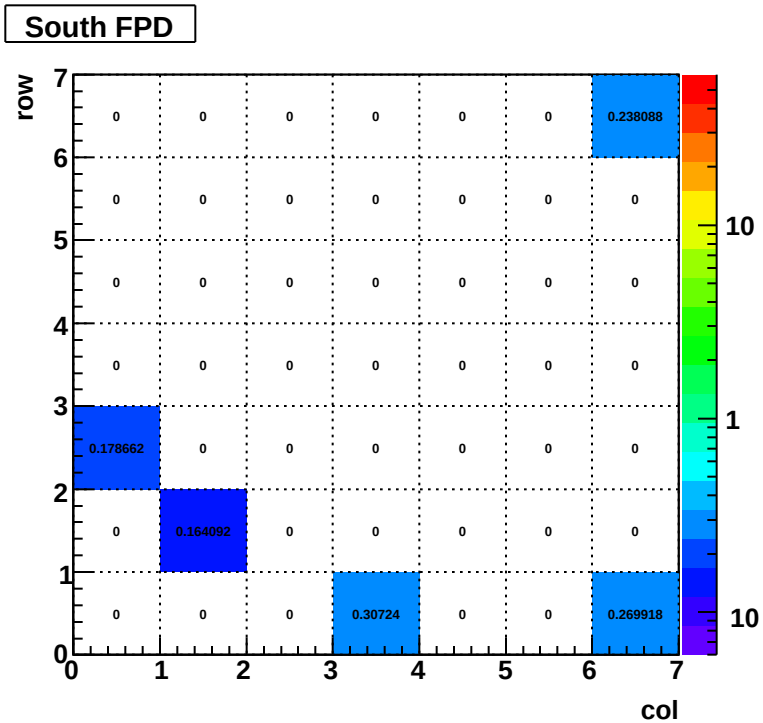
(2) Energy=25.784996 Y=-3.710855 Phi=-2.904455

M12=0.502 Y12=-3.737 Phi12=-3.103 E12=60.389

SumN(-) = 44 SumN(+)= 53 AN/.6=0.155







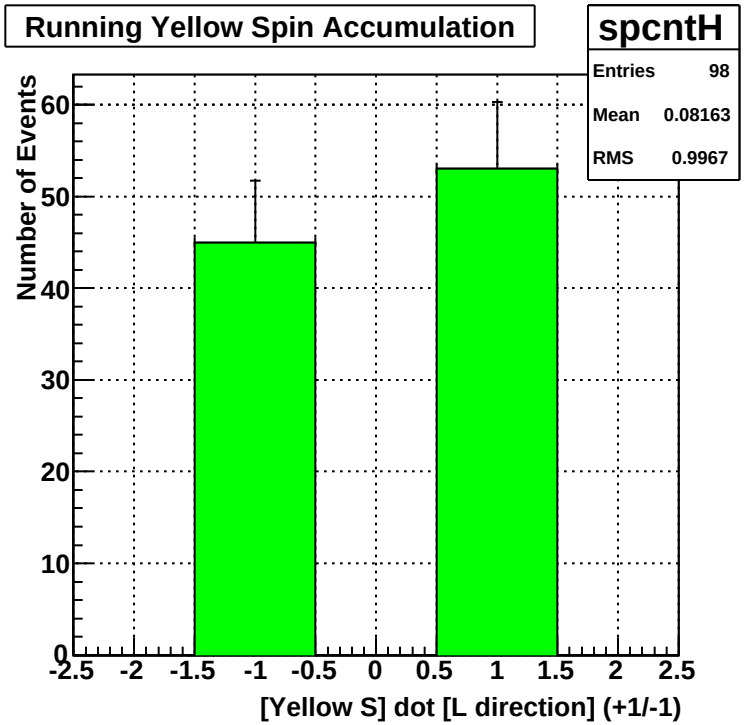
98) Rnum=7128046 EventN=106969 (3 Yu-S[-])

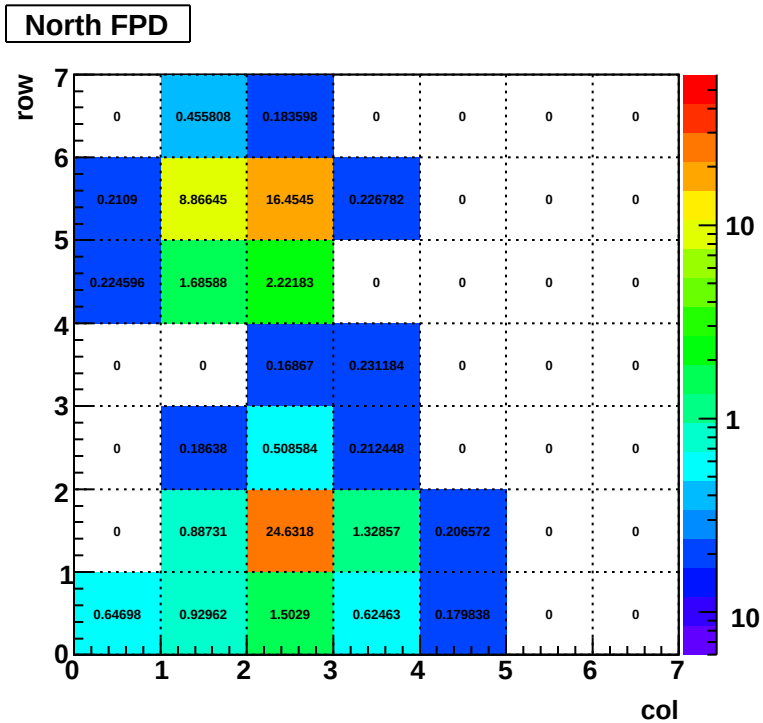
(1) Energy=31.630121 Y=-3.671028 Phi=2.929936

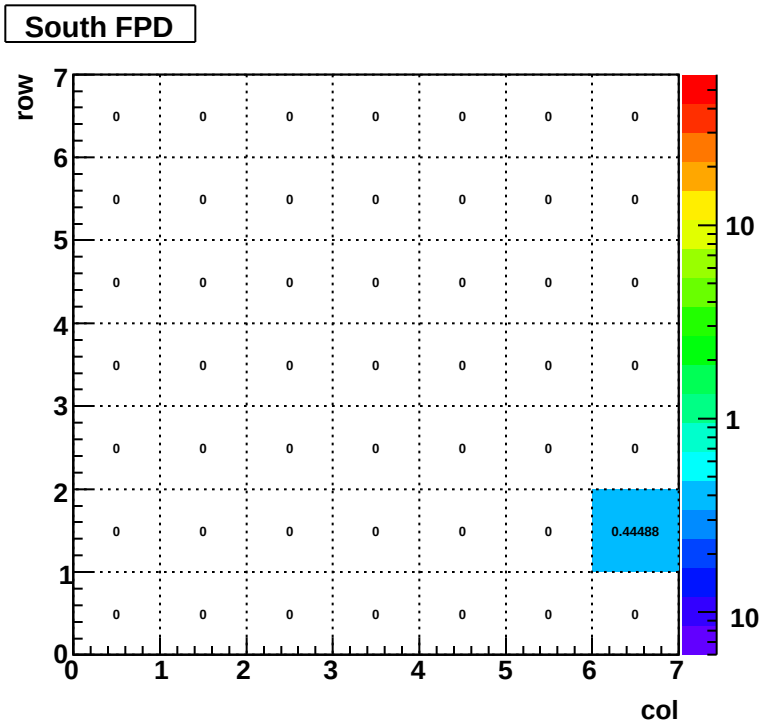
(2) Energy=31.786894 Y=-3.726334 Phi=-2.984487

M12=0.582 Y12=-3.715 Phi12=3.110 E12=63.417

SumN(-) = 45 SumN(+)= 53 AN/.6=0.136







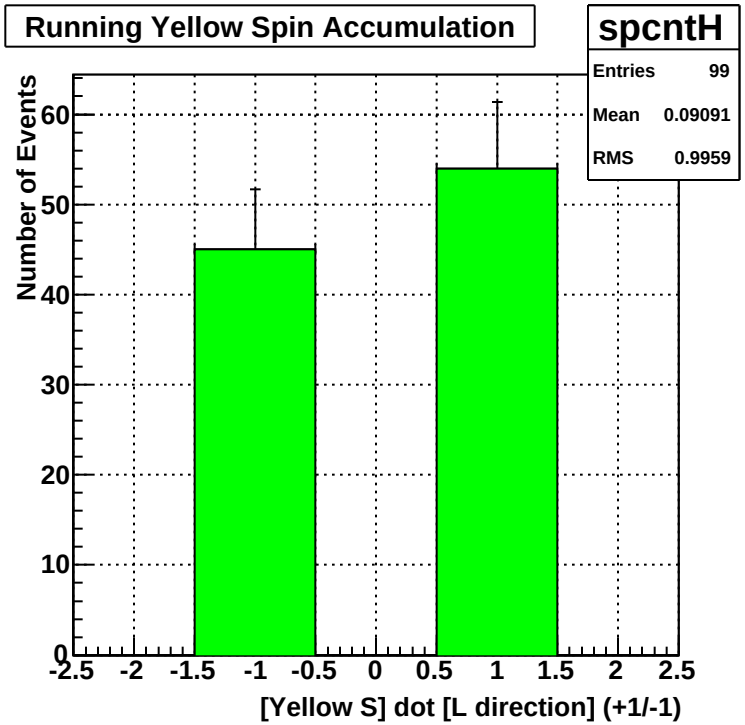
99) Rnum=7128047 EventN=306281 (1 Yu-N[+])

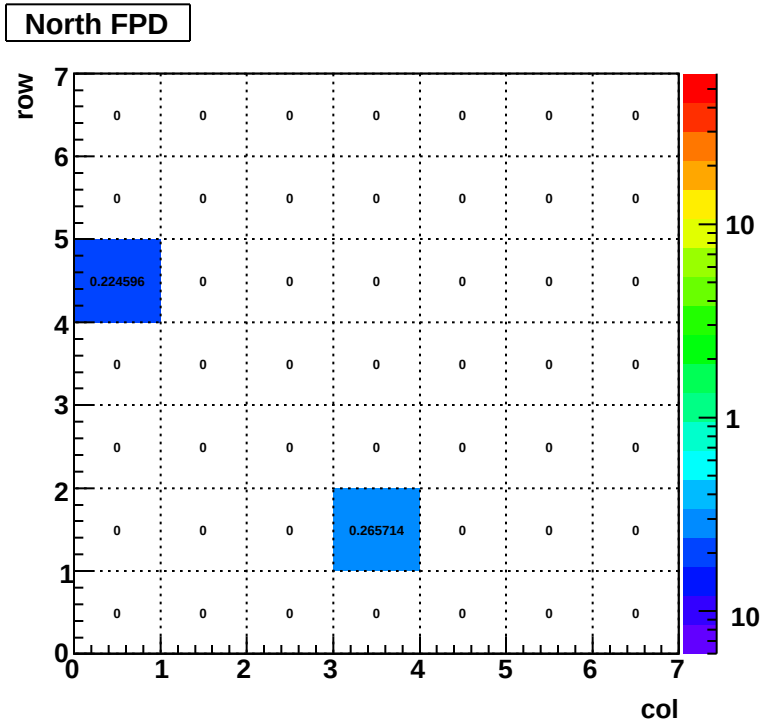
(1) Energy=40.268448 Y=-3.714959 Phi=-0.175530

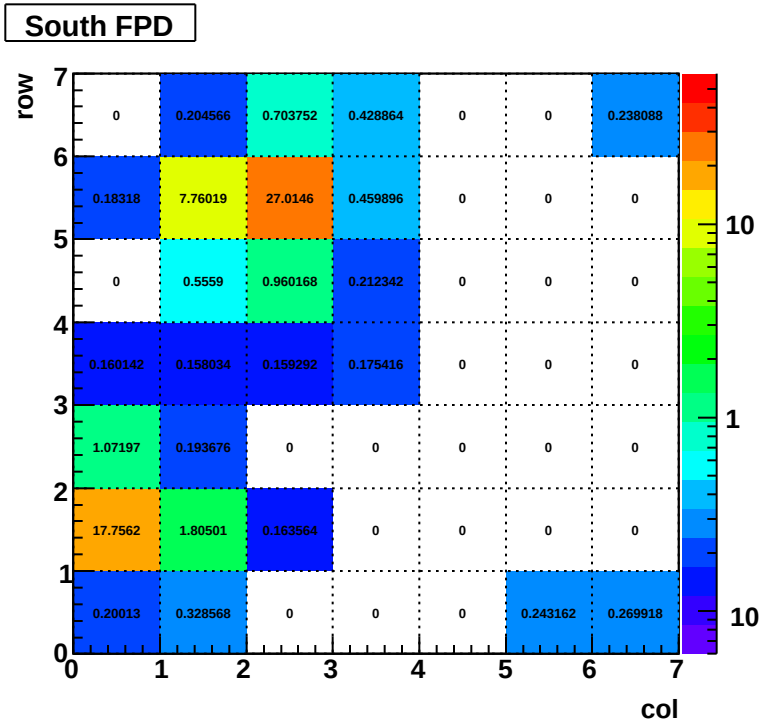
(2) Energy=23.144289 Y=-3.858281 Phi=0.231515

M12=0.593 Y12=-3.783 Phi12=-0.041 E12=63.413

SumN(-) = 45 SumN(+)= 54 AN/.6=0.152







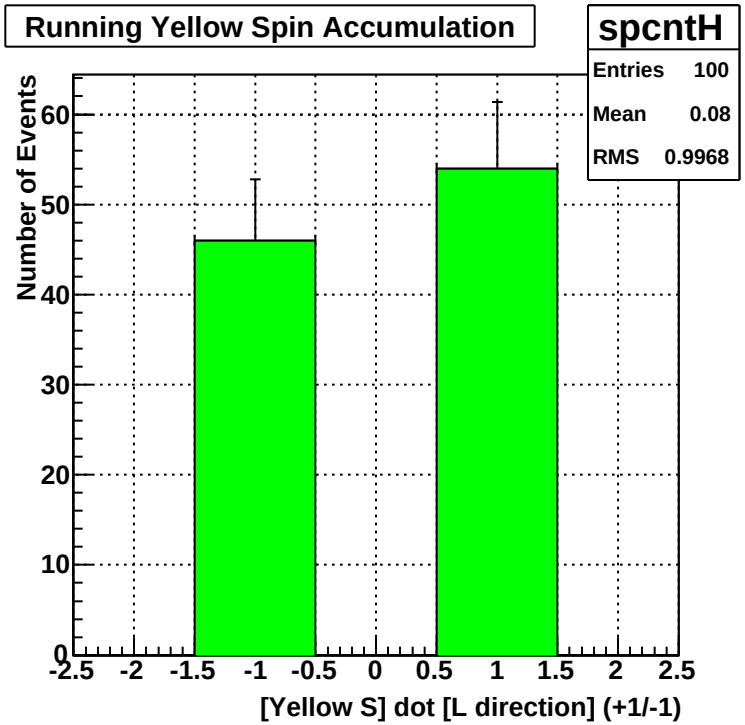
100) Rnum=7128048 EventN=2302686 (1 Yu-S[-])

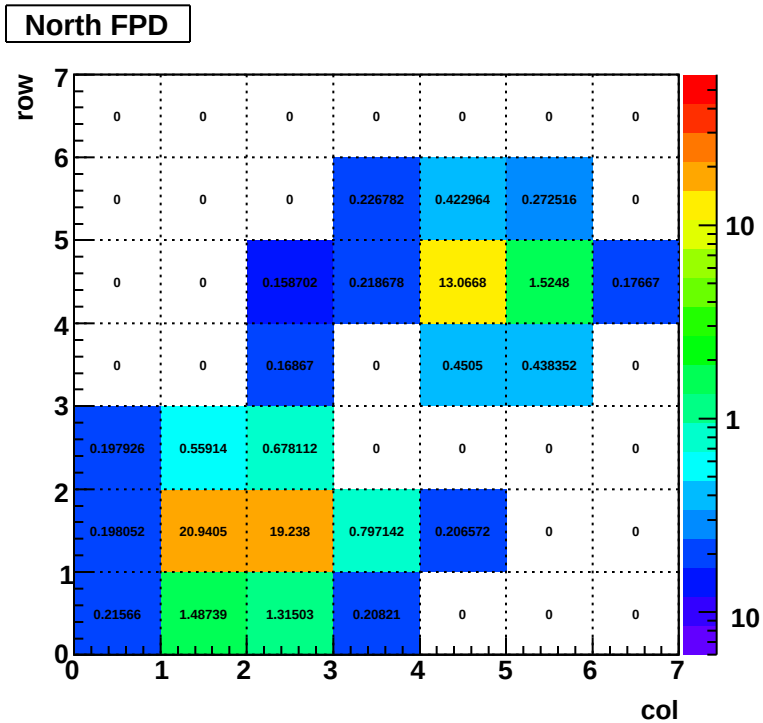
(1) Energy=47.141273 Y=-3.720142 Phi=2.923309

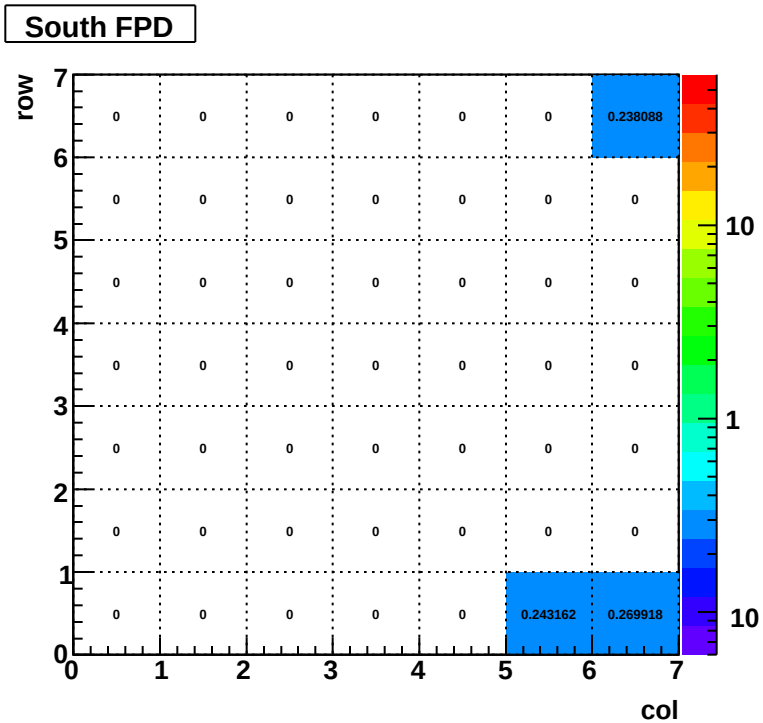
(2) Energy=17.350039 Y=-3.501870 Phi=-3.074985

M12=0.553 Y12=-3.665 Phi12=3.012 E12=64.491

SumN(-) = 46 SumN(+)= 54 AN/.6=0.133







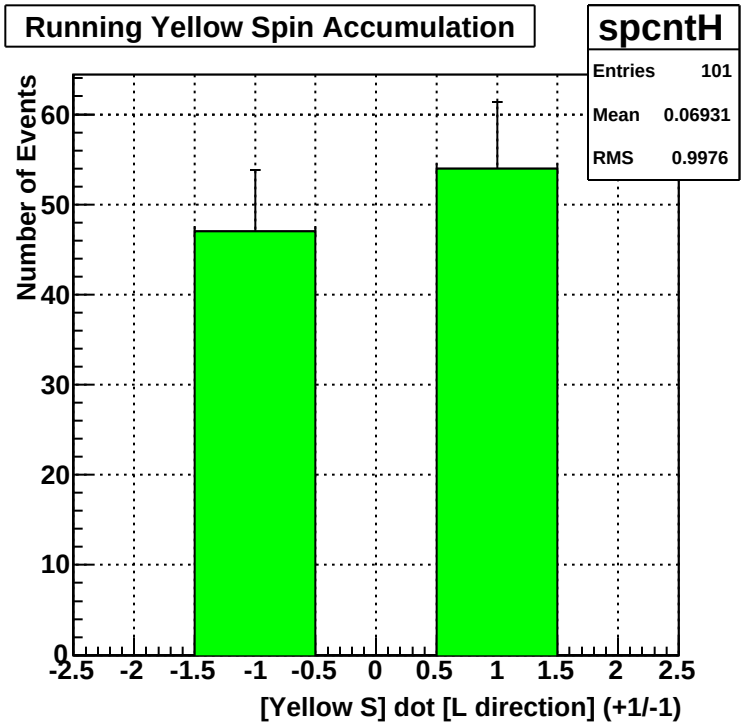
101) Rnum=7128048 EventN=2409755 (1 Yu-S[-])

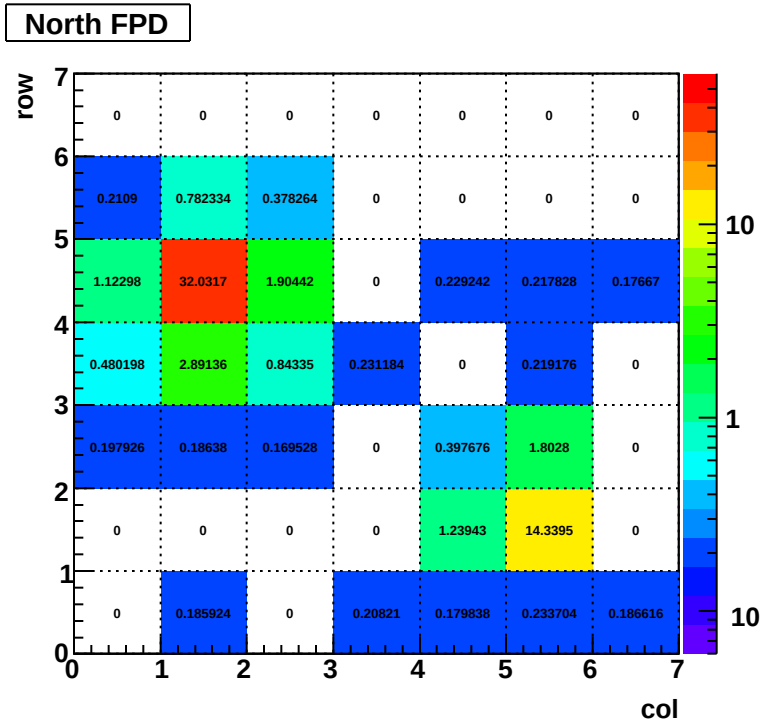
(1) Energy=42.118061 Y=-3.782000 Phi=-3.071862

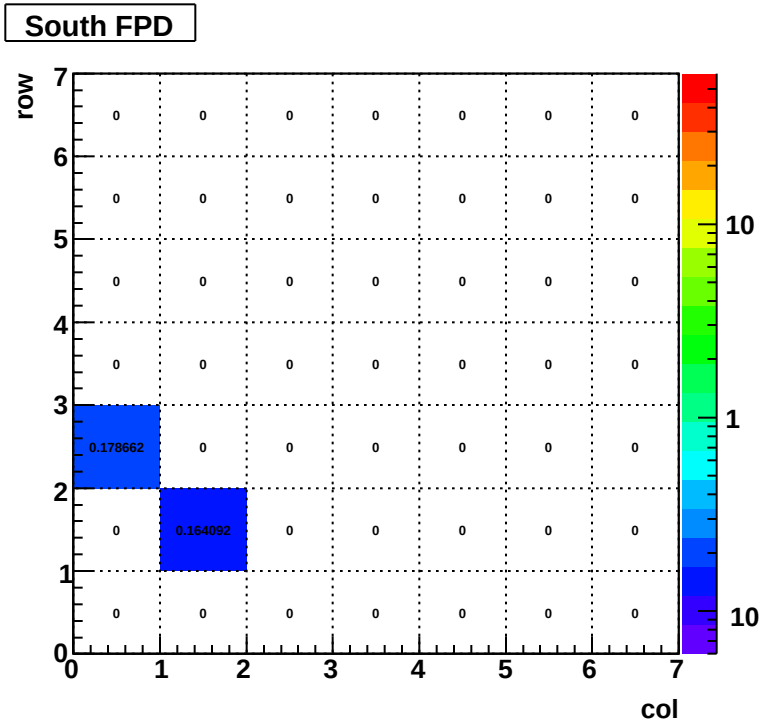
(2) Energy=19.643122 Y=-3.447171 Phi=2.999981

M12=0.615 Y12=-3.668 Phi12=3.128 E12=61.761

SumN(-) = 47 SumN(+)= 54 AN/.6=0.116







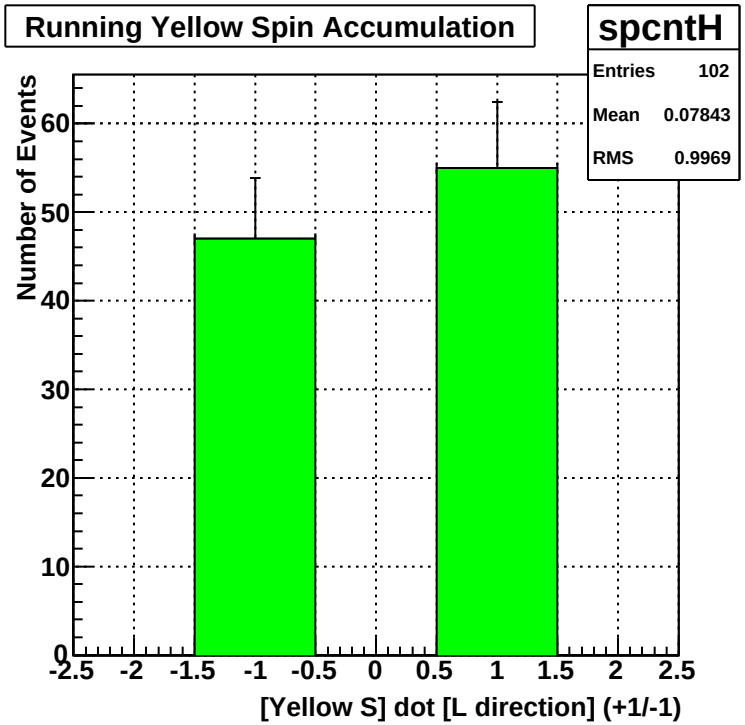
102) Rnum=7128050 EventN=1203538 (3 Yu-N[+])

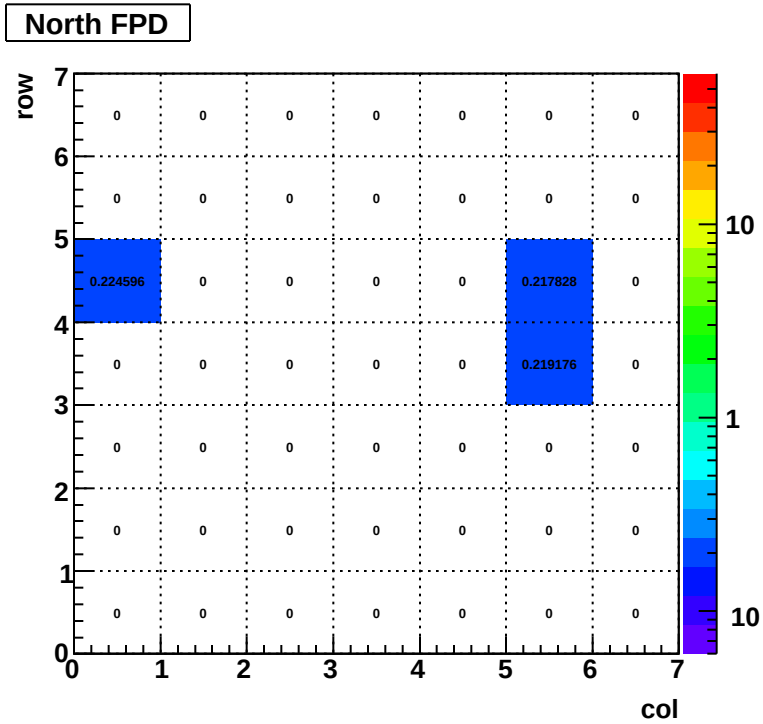
(1) Energy=47.294121 Y=-3.767535 Phi=0.157942

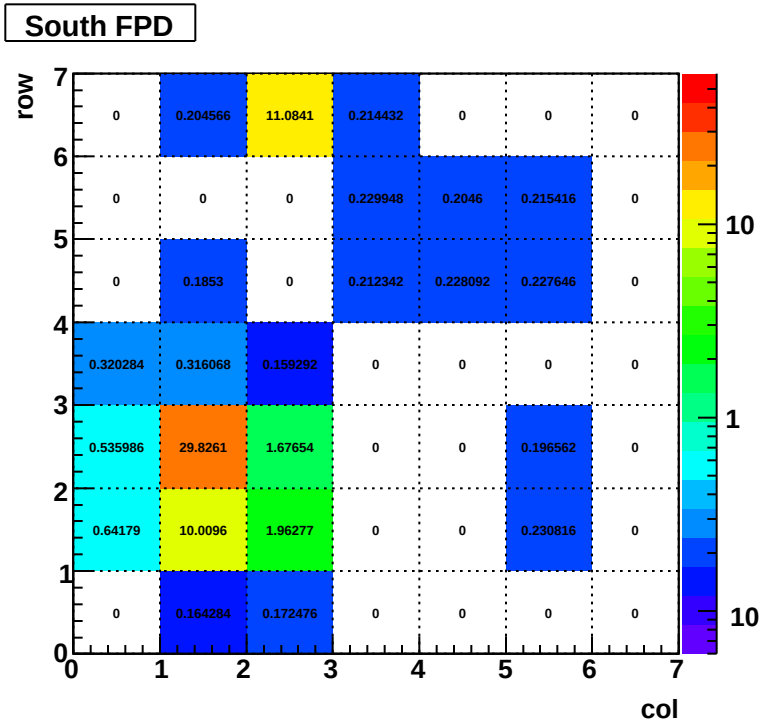
(2) Energy=14.744307 Y=-3.665060 Phi=-0.242554

M12=0.527 Y12=-3.758 Phi12=0.056 E12=62.038

SumN(-) = 47 SumN(+)= 55 AN/.6=0.131







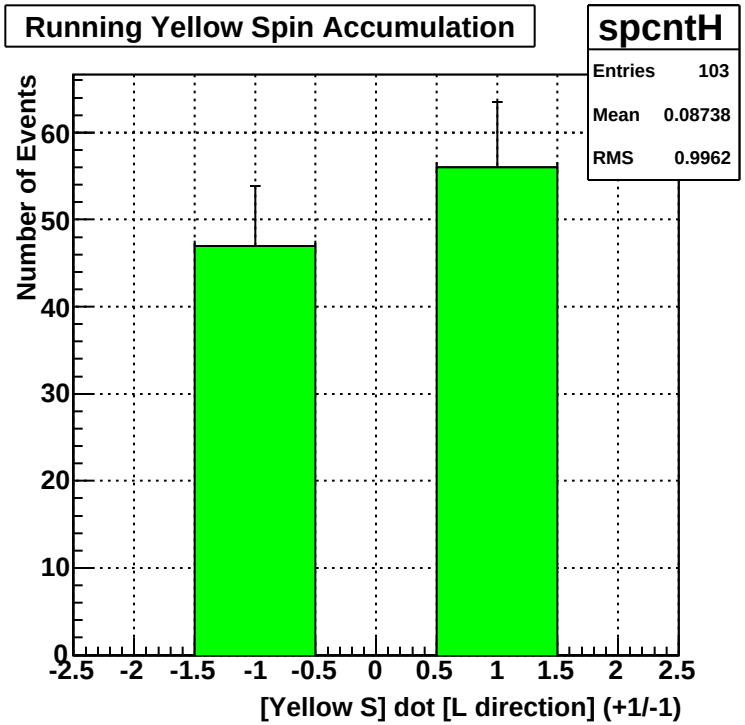
103) Rnum=7128051 EventN=802437 (0 Yd-S[+])

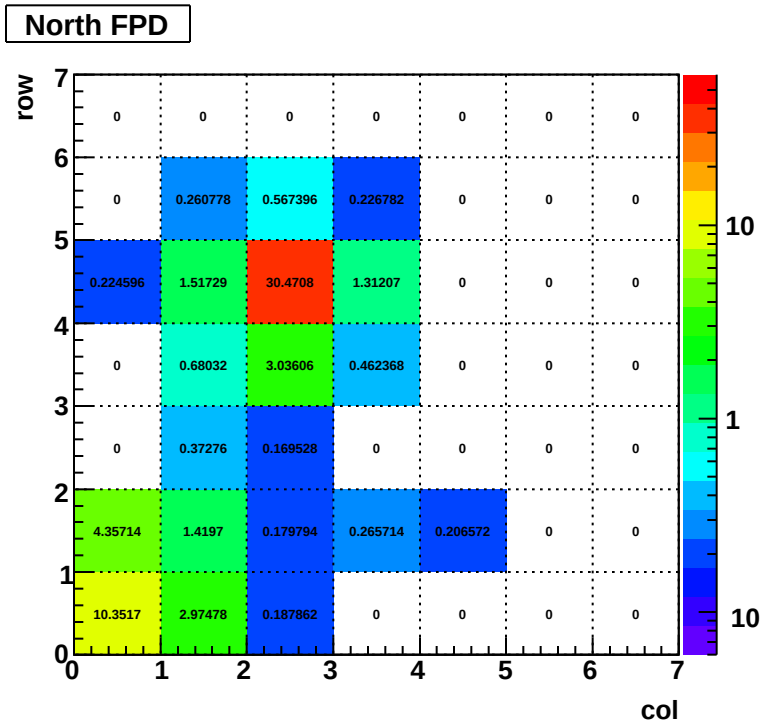
(1) Energy=40.093590 Y=-3.696039 Phi=-3.079406

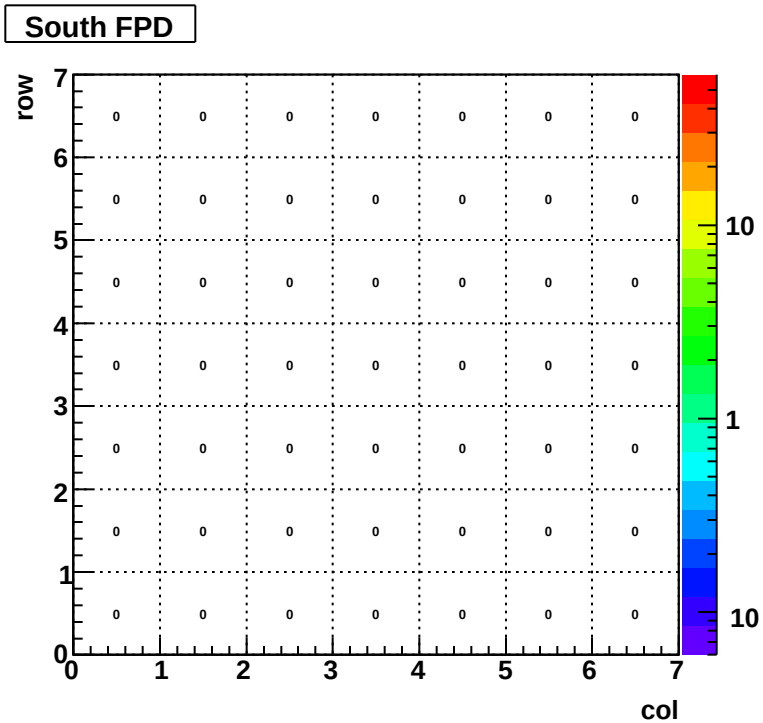
(2) Energy=20.687527 Y=-3.818201 Phi=2.845456

M12=0.506 Y12=-3.750 Phi12=3.092 E12=60.781

SumN(-) = 47 SumN(+)= 56 AN/.6=0.146







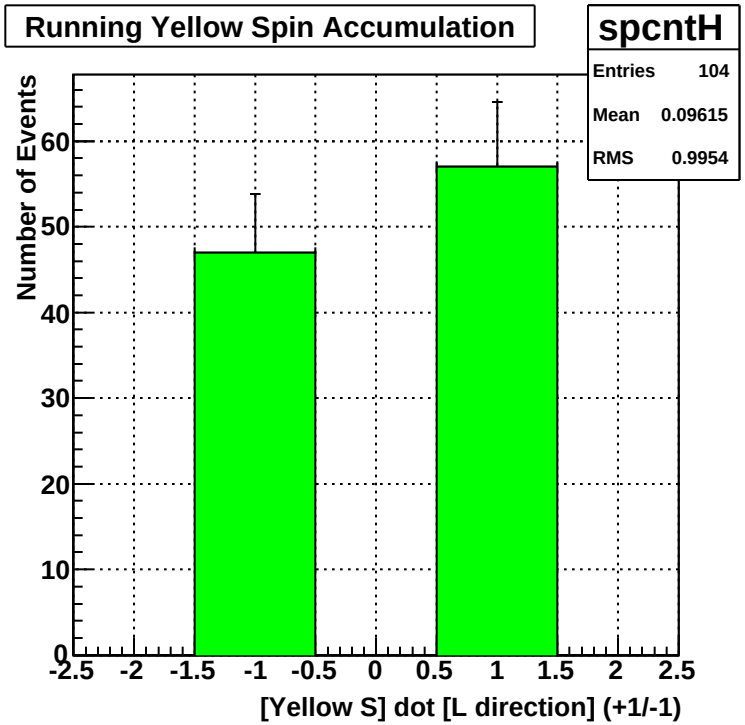
104) Rnum=7128051 EventN=2100966 (3 Yu-N[+])

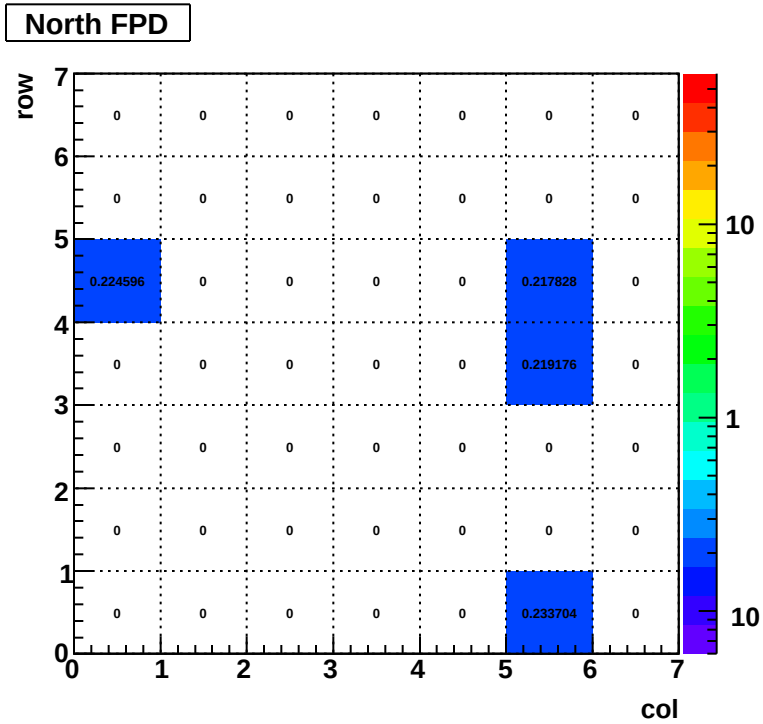
(1) Energy=51.186329 Y=-3.542845 Phi=0.140665

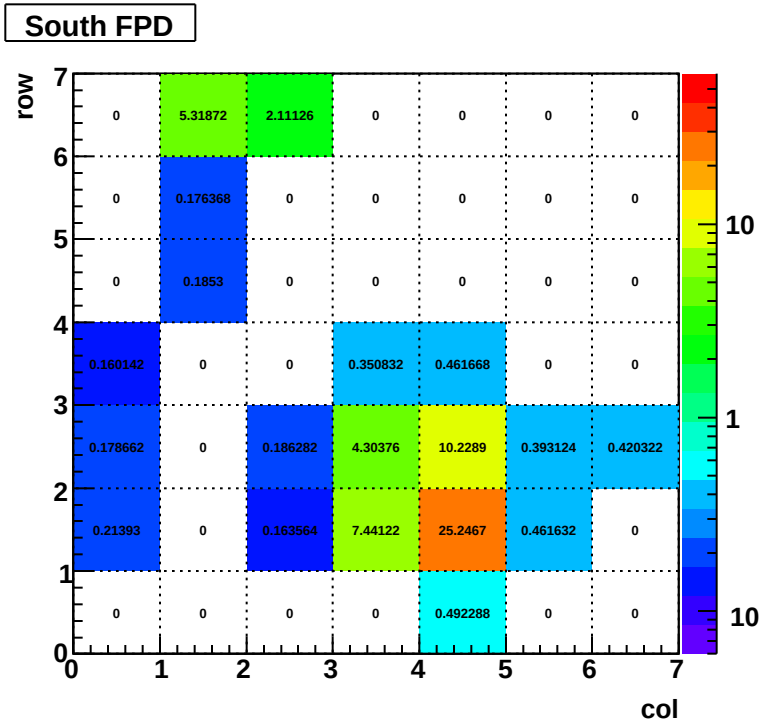
(2) Energy=8.876244 Y=-3.710200 Phi=-0.286675

M12=0.517 Y12=-3.576 Phi12=0.087 E12=60.063

SumN(-) = 47 SumN(+)= 57 AN/.6=0.160







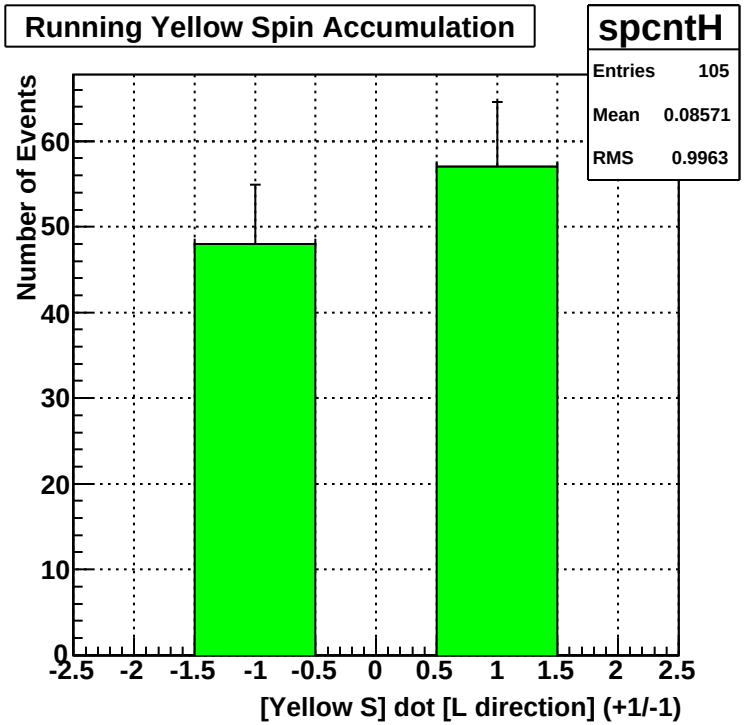
105) Rnum=7128057 EventN=2007114 (3 Yu-S[-])

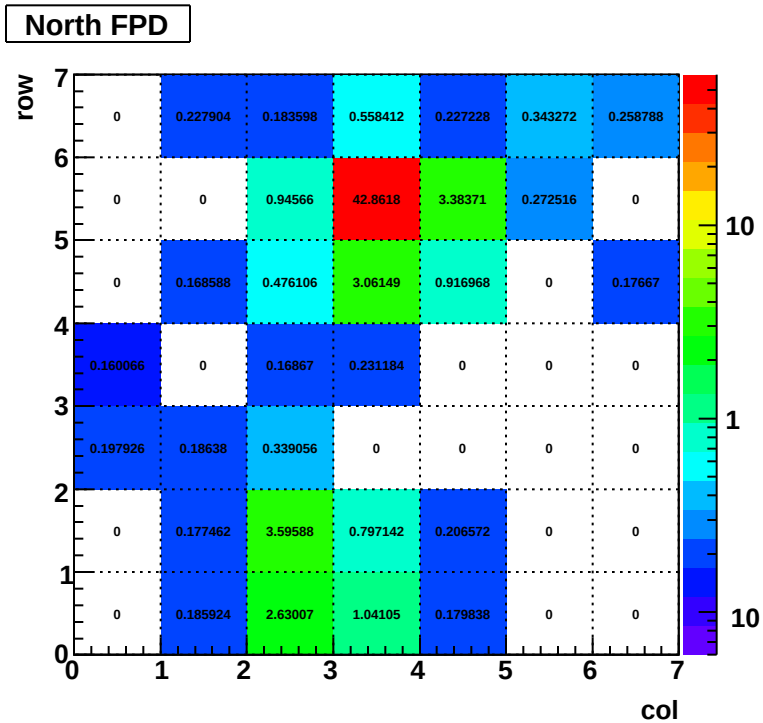
(1) Energy=56.100079 Y=-3.581657 Phi=-2.997697

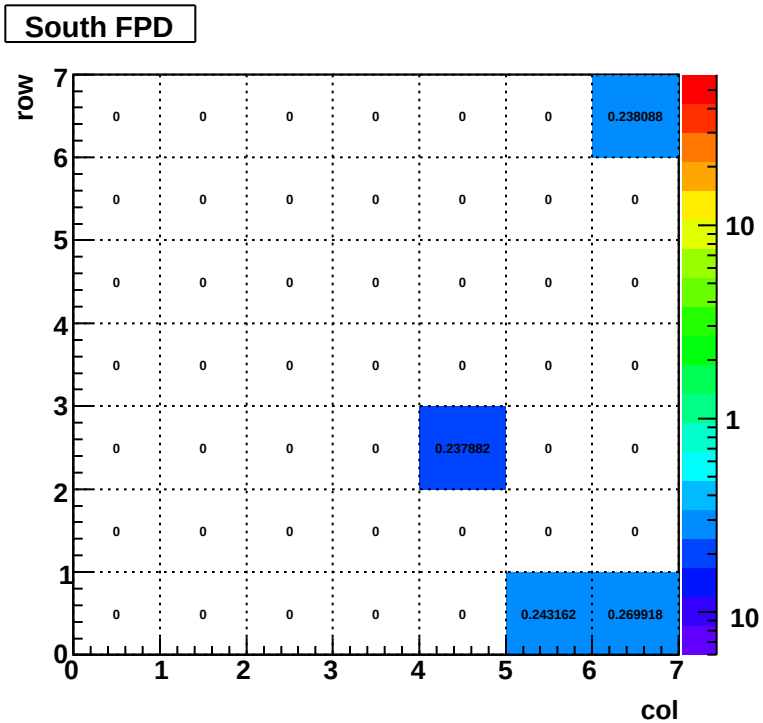
(2) Energy=8.776611 Y=-3.633543 Phi=2.905305

M12=0.459 Y12=-3.597 Phi12=-3.046 E12=64.877

SumN(-) = 48 SumN(+)= 57 AN/.6=0.143







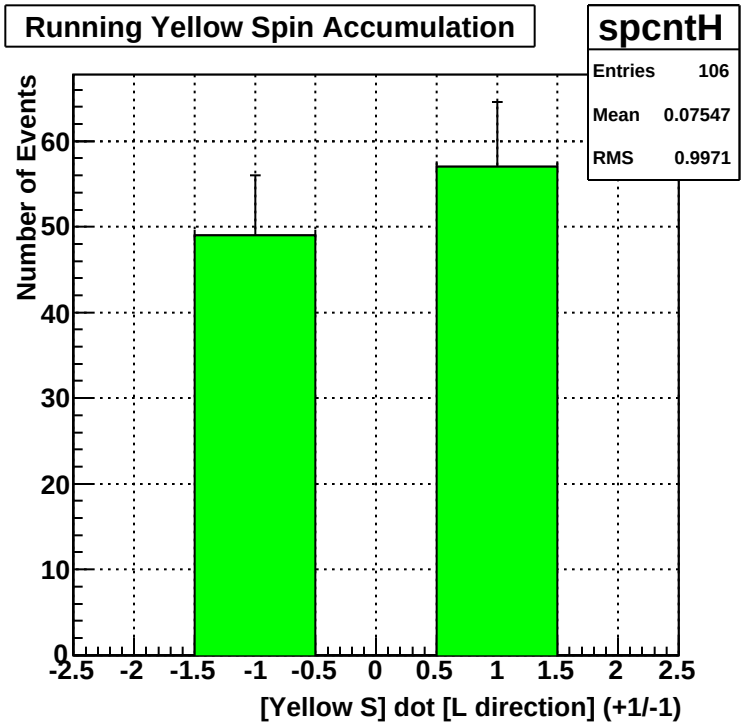
106) Rnum=7128059 EventN=1708825 (3 Yu-S[-])

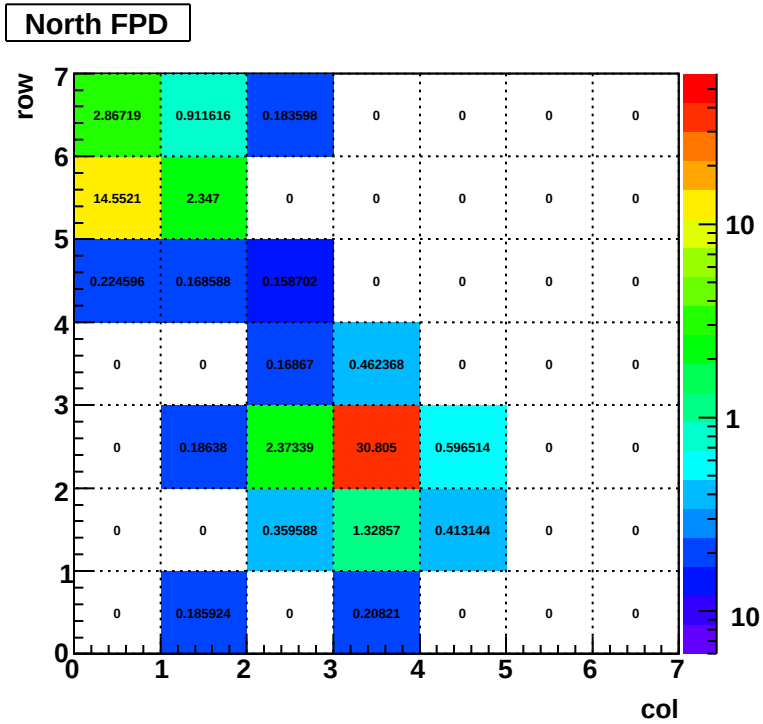
(1) Energy=39.548672 Y=-3.610684 Phi=3.034430

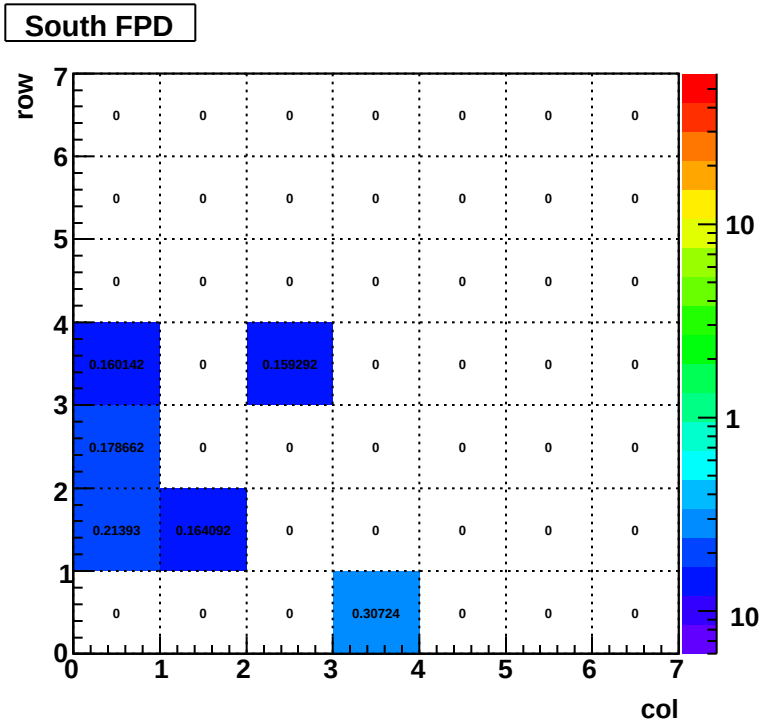
(2) Energy=22.548452 Y=-3.842450 Phi=-2.900655

M12=0.599 Y12=-3.702 Phi12=-3.141 E12=62.097

SumN(-) = 49 SumN(+)= 57 AN/.6=0.126







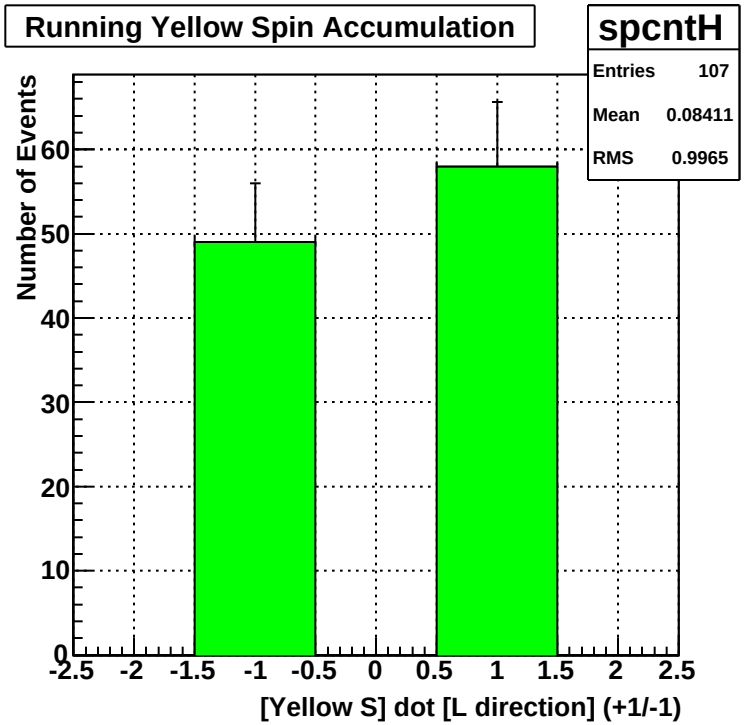
107) Rnum=7128061 EventN=907928 (3 Yu-N[+])

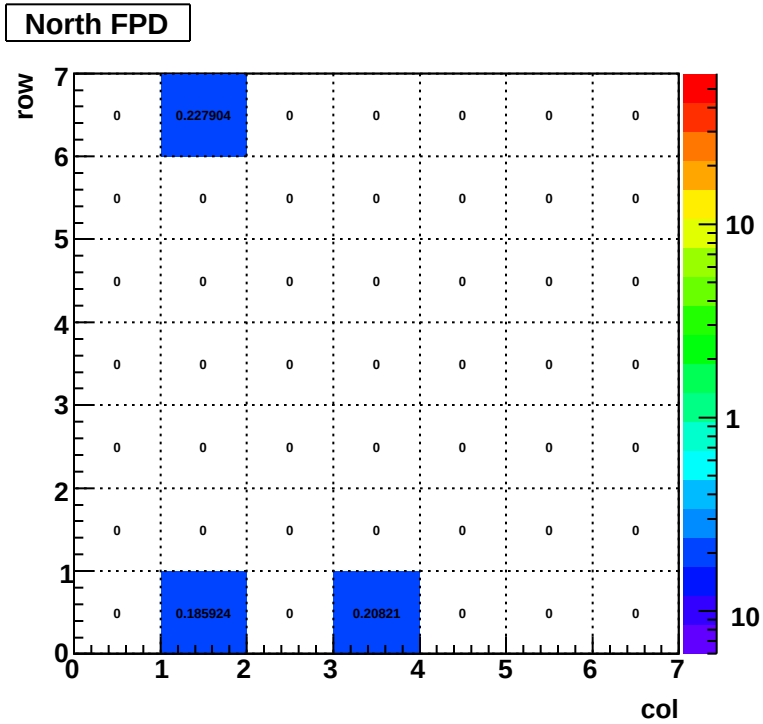
(1) Energy=44.125847 Y=-3.860413 Phi=0.006724

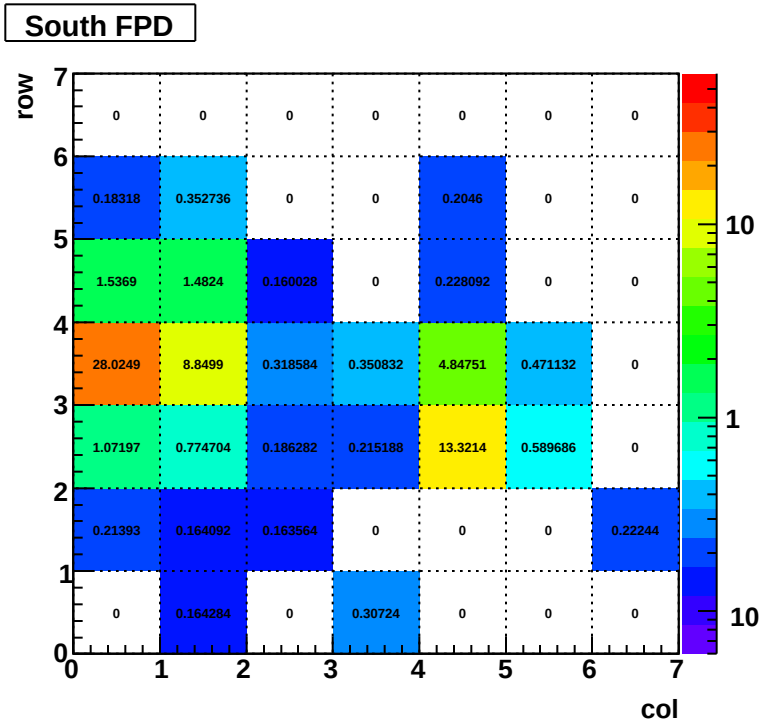
(2) Energy=21.393414 Y=-3.514890 Phi=0.058757

M12=0.540 Y12=-3.734 Phi12=0.028 E12=65.519

SumN(-) = 49 SumN(+)= 58 AN/.6=0.140







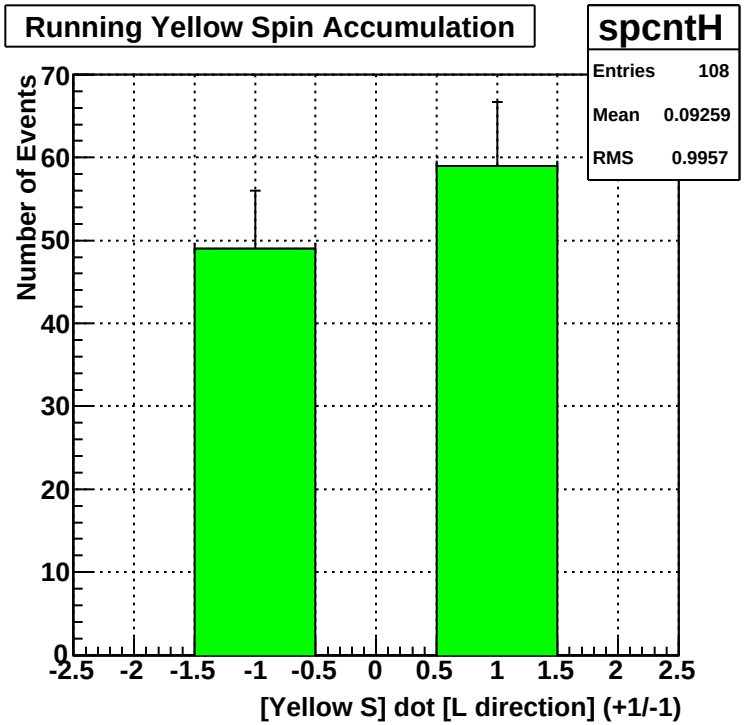
108) Rnum=7128061 EventN=1706609 (3 Yu-N[+])

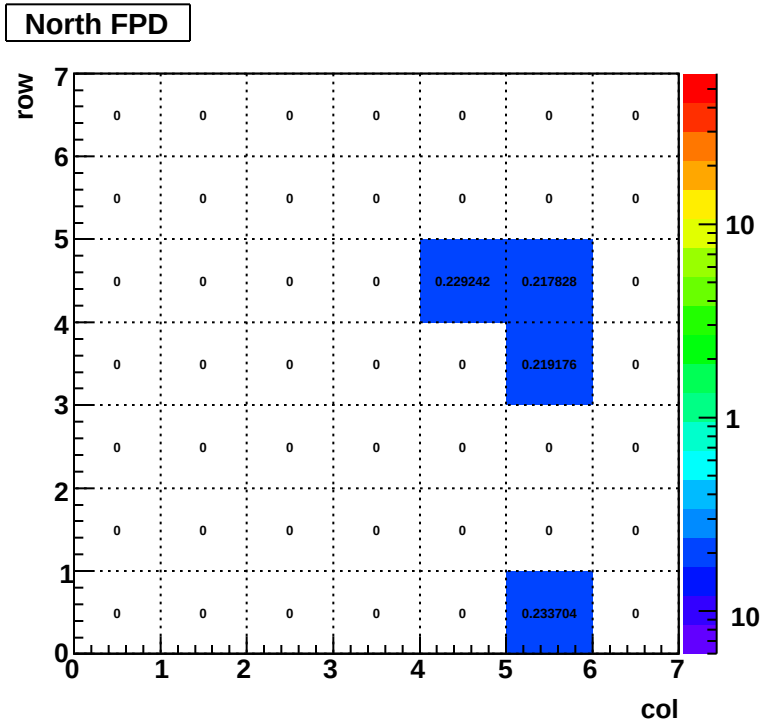
(1) Energy=33.502979 Y=-3.499090 Phi=-0.069369

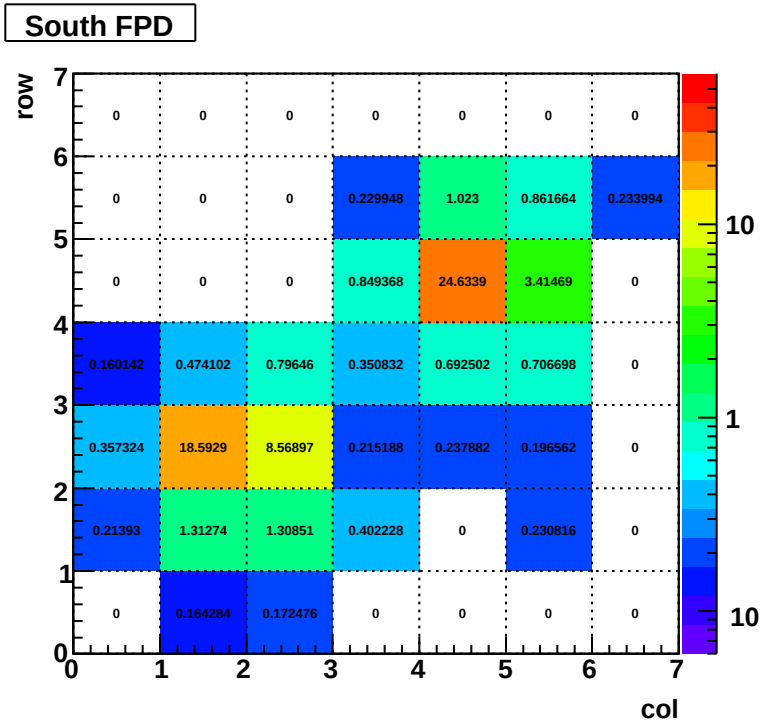
(2) Energy=32.627220 Y=-3.742052 Phi=0.125757

M12=0.552 Y12=-3.616 Phi12=0.015 E12=66.130

SumN(-) = 49 SumN(+)= 59 AN/.6=0.154







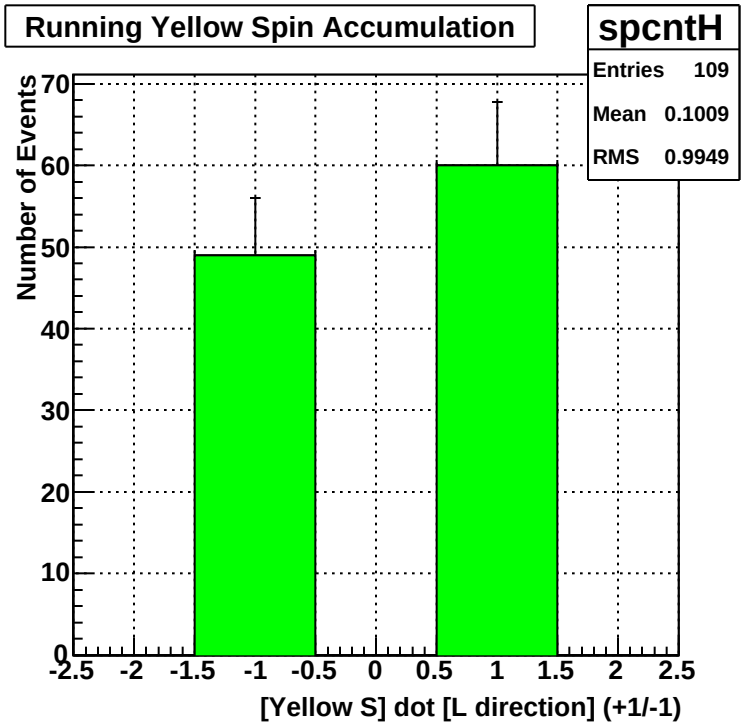
109) Rnum=7128063 EventN=6809347 (3 Yu-N[+])

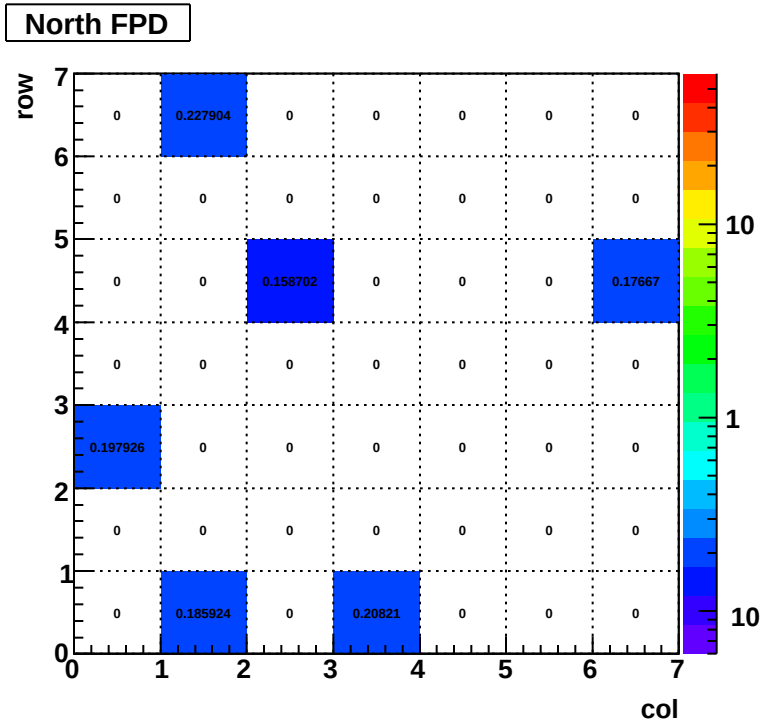
(1) Energy=33.771896 Y=-3.926180 Phi=0.059352

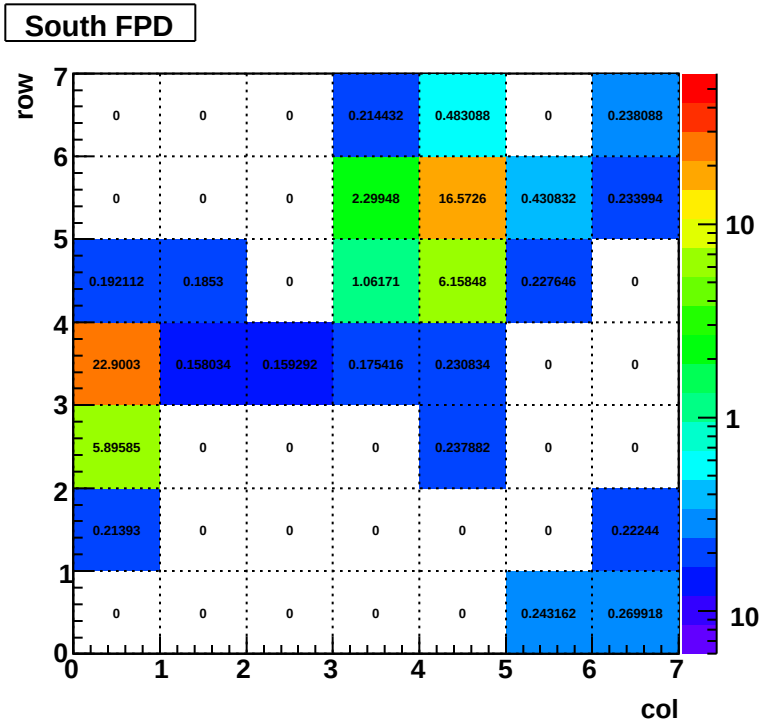
(2) Energy=28.422853 Y=-3.534145 Phi=-0.116633

M12=0.642 Y12=-3.732 Phi12=-0.038 E12=62.195

SumN(-) = 49 SumN(+)= 60 AN/.6=0.168







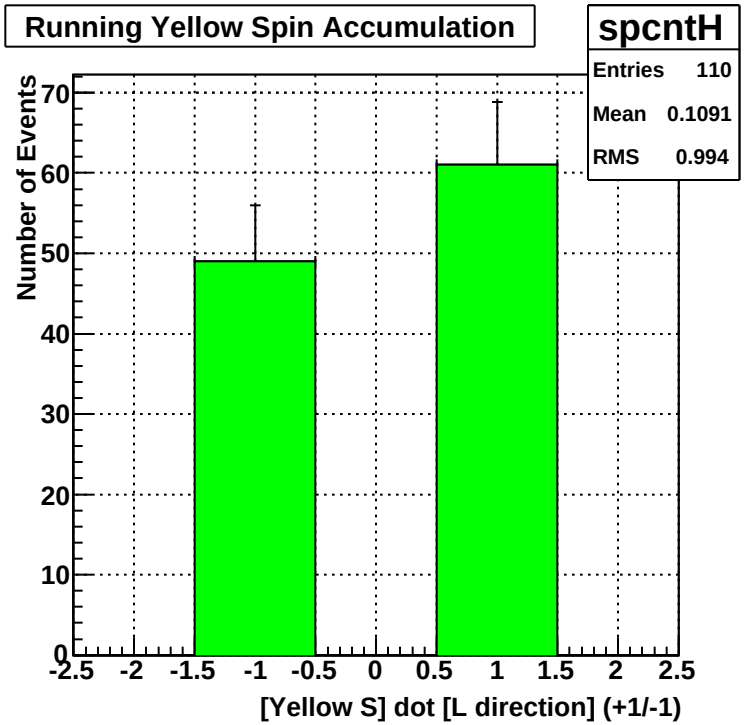
110) Rnum=7128063 EventN=1106422 (3 Yu-N[+])

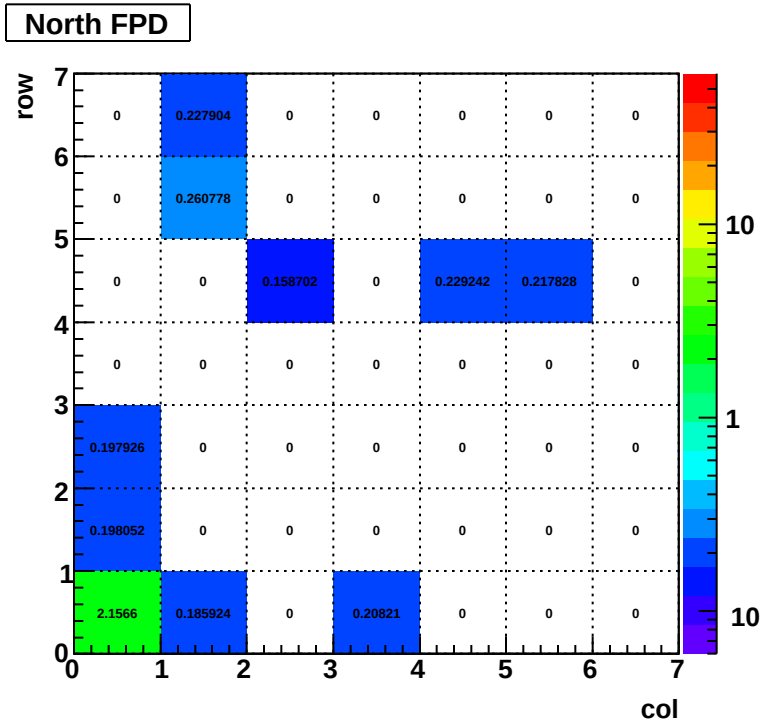
(1) Energy=53.399231 Y=-3.773194 Phi=-0.196331

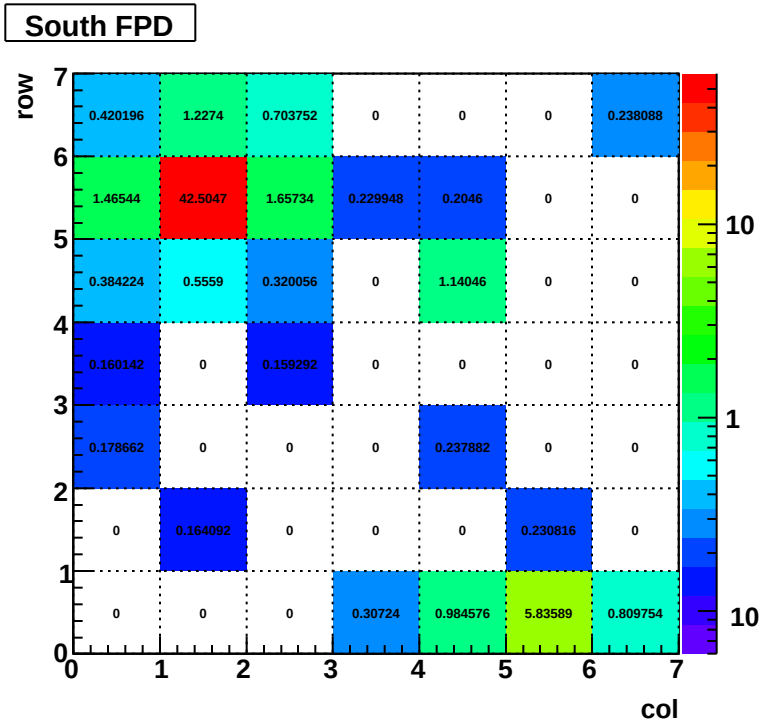
(2) Energy=8.114545 Y=-3.438710 Phi=0.234884

M12=0.615 Y12=-3.736 Phi12=-0.122 E12=61.514

SumN(-) = 49 SumN(+)= 61 AN/.6=0.182







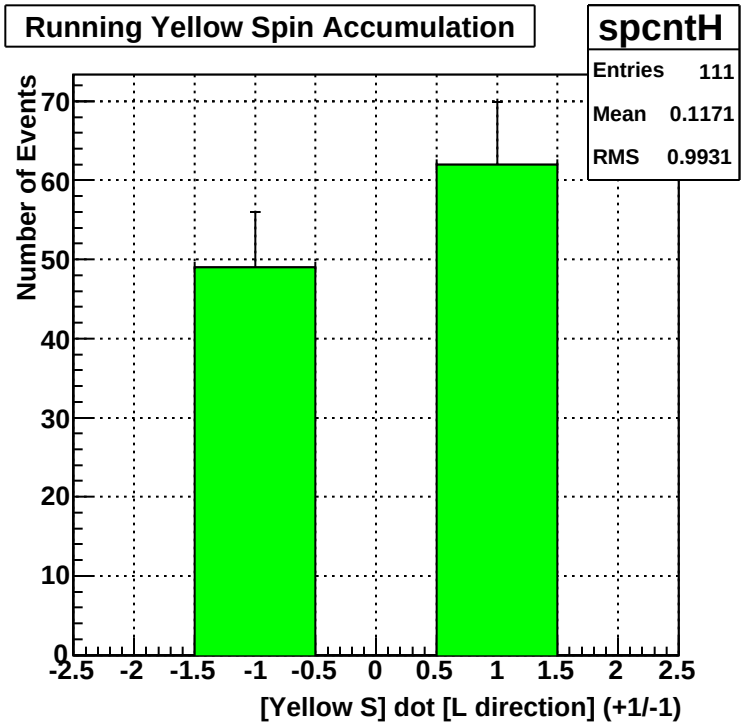
111) Rnum=7129002 EventN=1503946 (1 Yu-N[+])

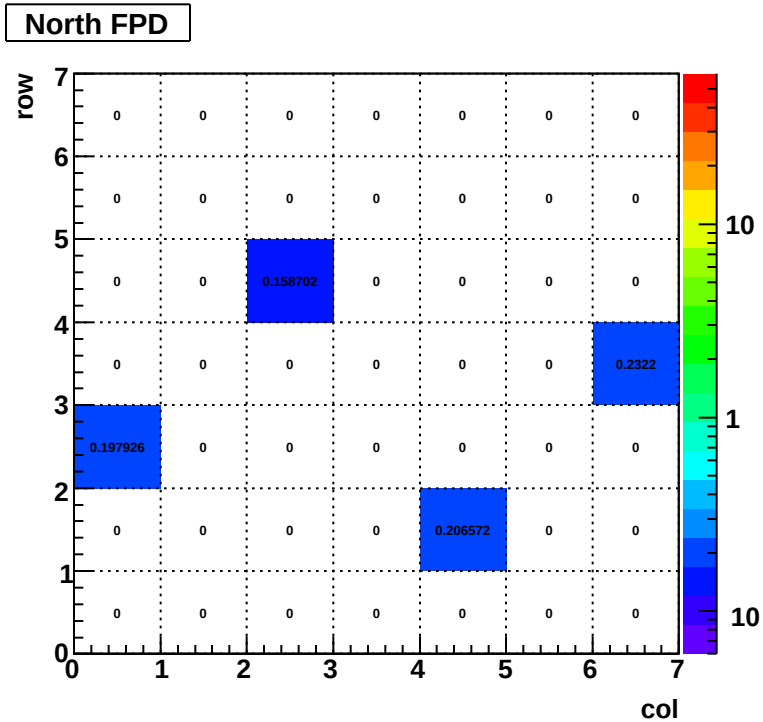
(1) Energy=59.365711 Y=-3.631290 Phi=0.179349

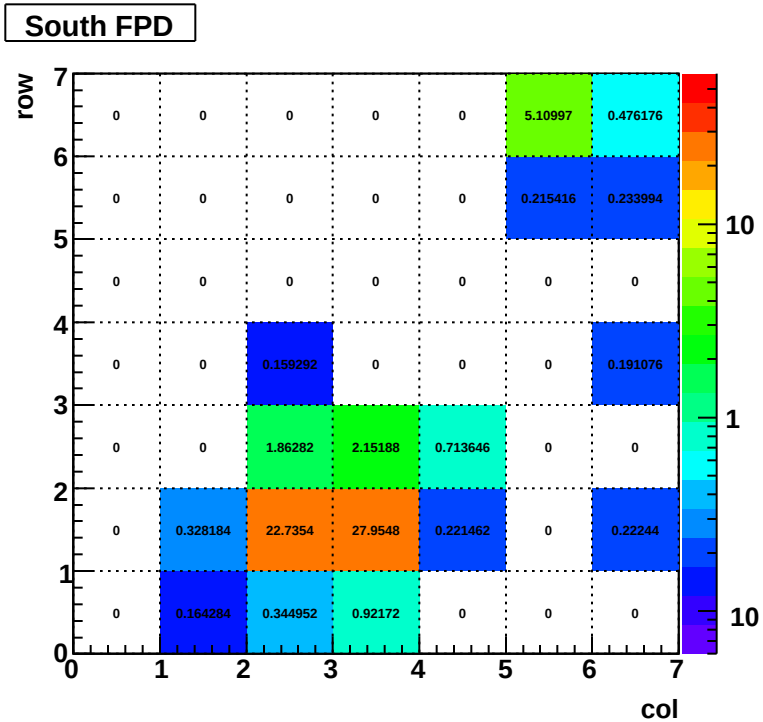
(2) Energy=6.705194 Y=-3.411167 Phi=-0.202547

M12=0.517 Y12=-3.614 Phi12=0.133 E12=66.071

SumN(-) = 49 SumN(+)= 62 AN/.6=0.195







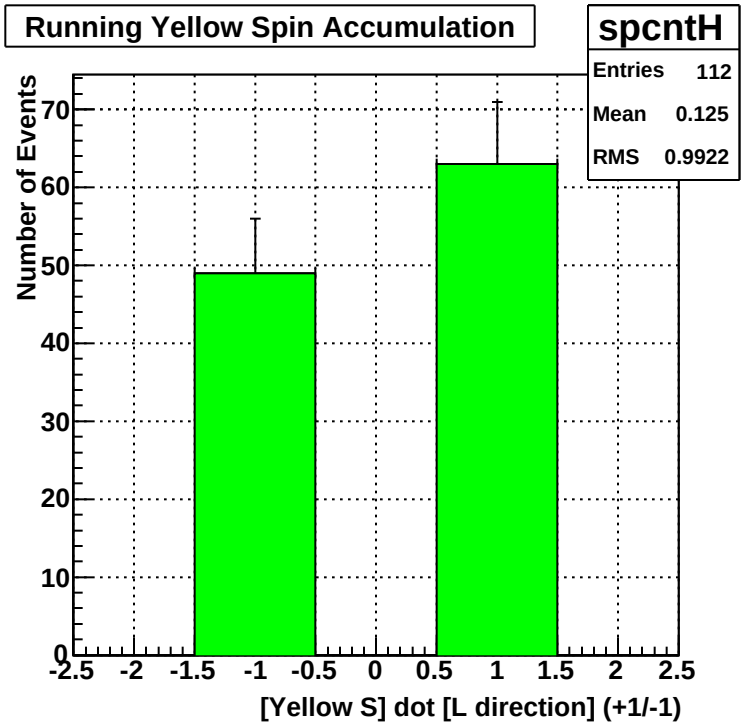
112) Rnum=7129002 EventN=1505363 (3 Yu-N[+])

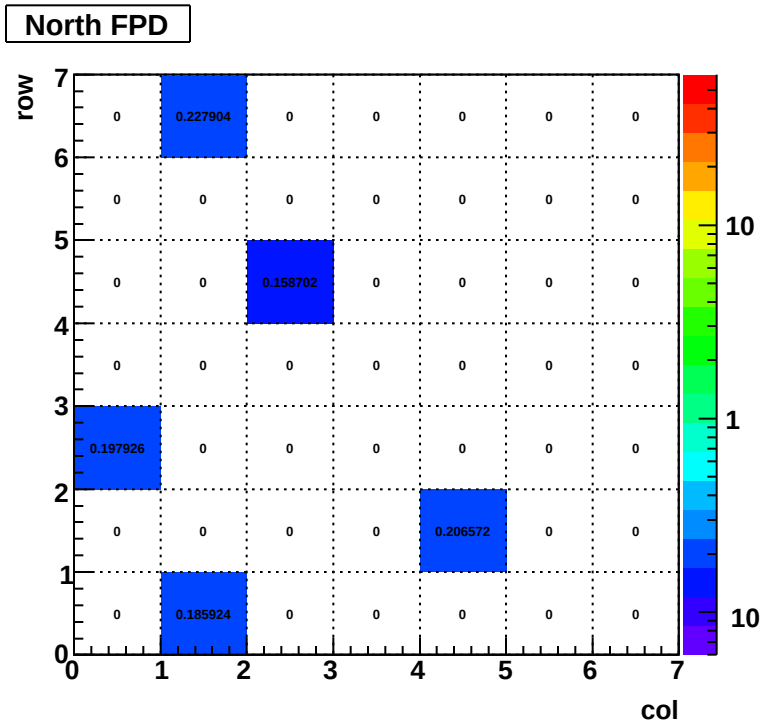
(1) Energy=33.746822 Y=-3.513569 Phi=-0.175293

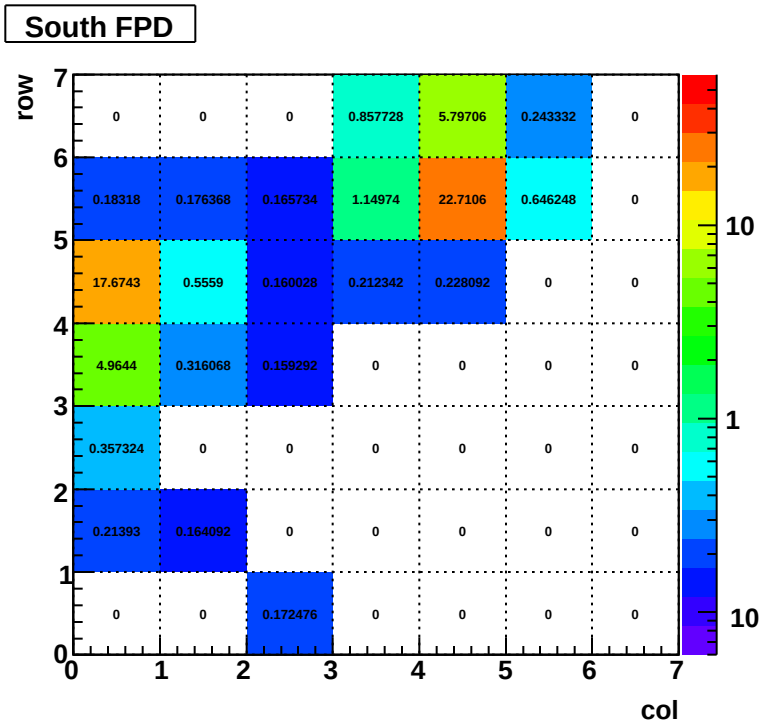
(2) Energy=27.254622 Y=-3.918735 Phi=-0.056789

M12=0.626 Y12=-3.676 Phi12=-0.134 E12=61.001

SumN(-) = 49 SumN(+)= 63 AN/.6=0.208







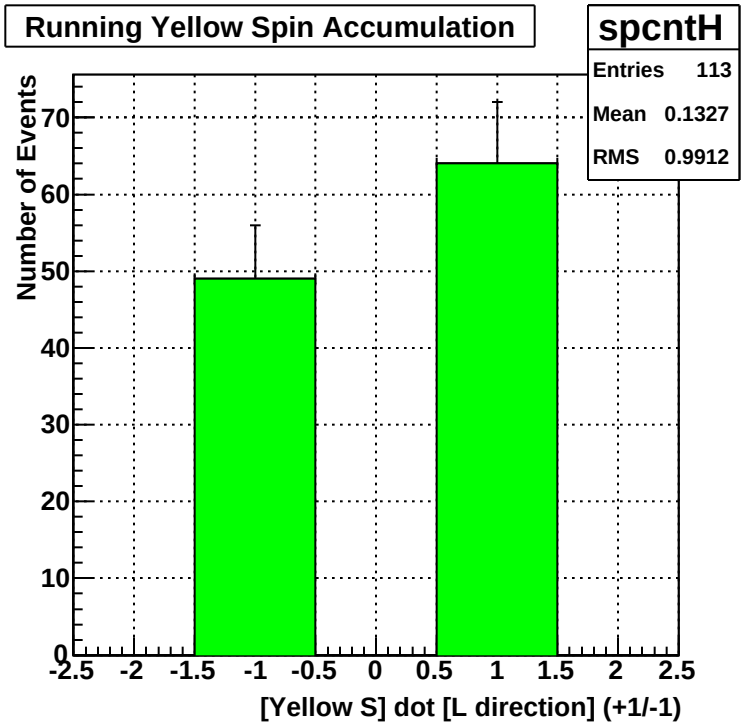
113) Rnum=7129002 EventN=2306805 (3 Yu-N[+])

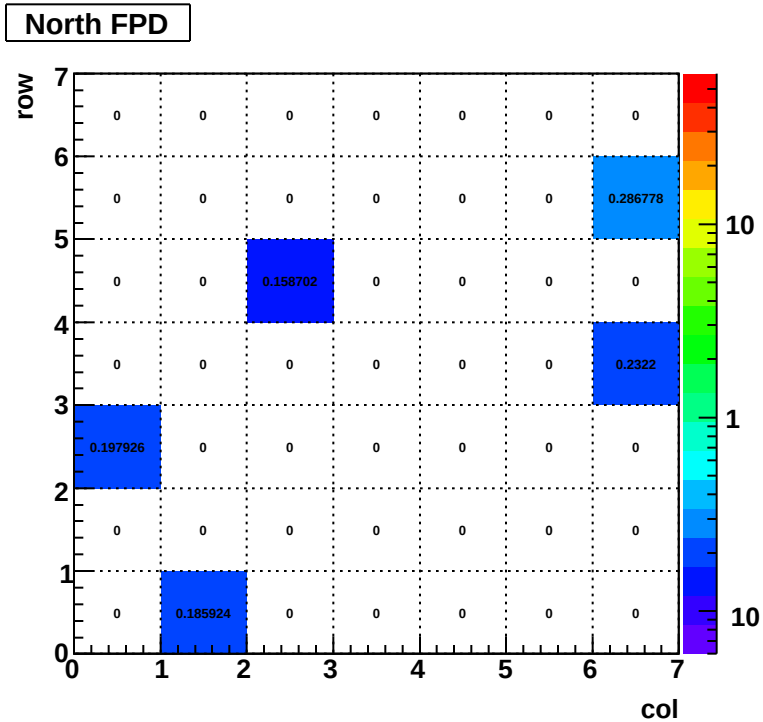
(1) Energy=29.906261 Y=-3.628582 Phi=0.191250

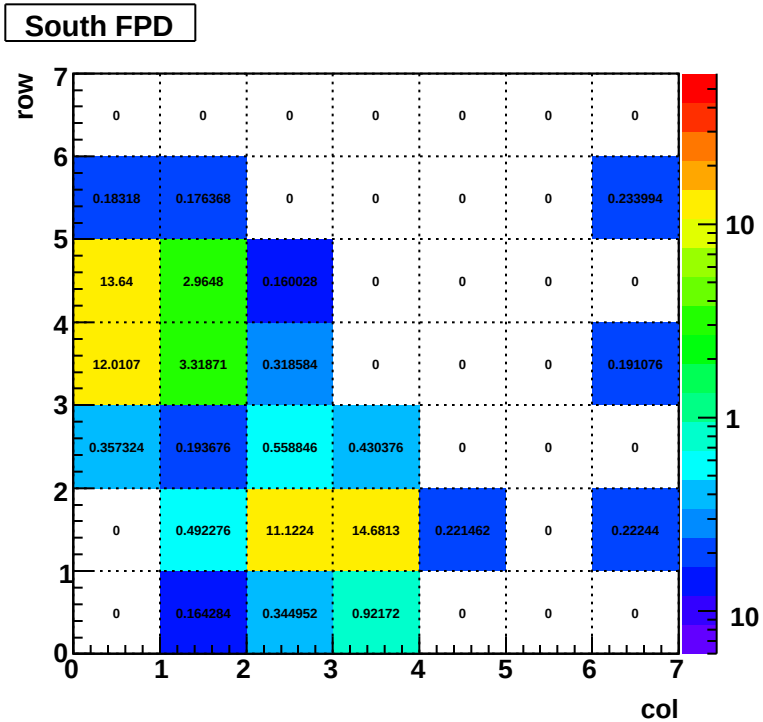
(2) Energy=34.594460 Y=-3.865896 Phi=-0.040444

M12=0.503 Y12=-3.756 Phi12=0.081 E12=64.501

SumN(-) = 49 SumN(+)= 64 AN/.6=0.221







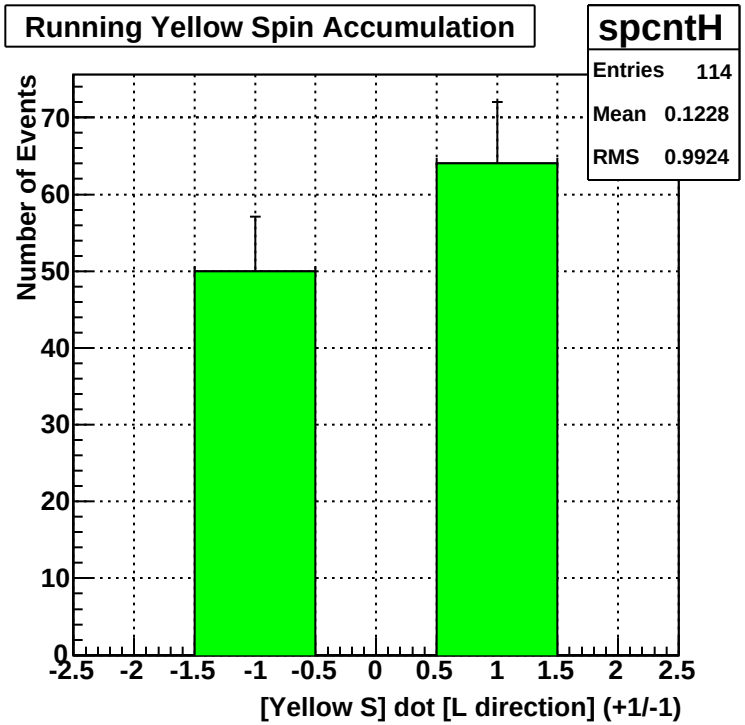
114) Rnum=7129010 EventN=1000370 (0 Yd-N[-])

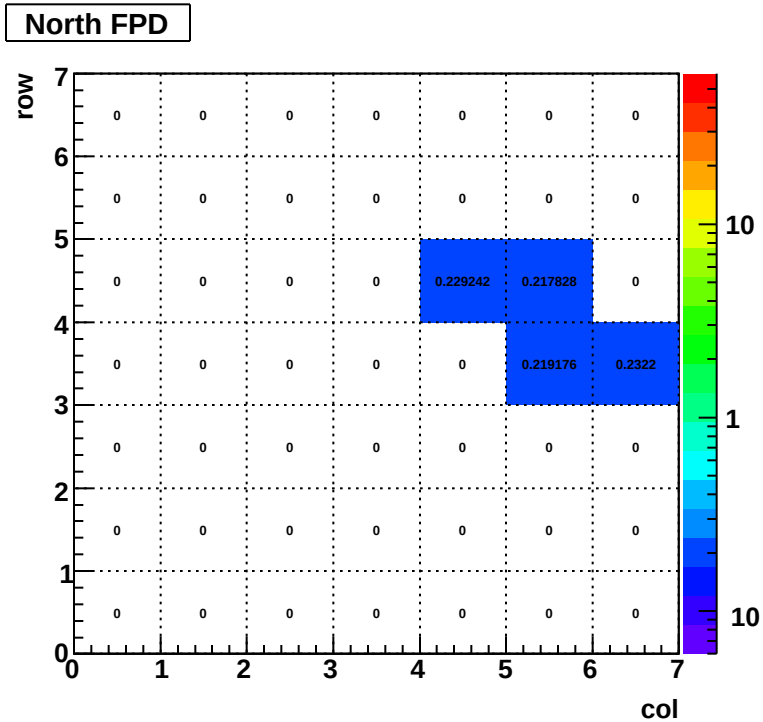
(1) Energy=47.288925 Y=-3.855438 Phi=0.102983

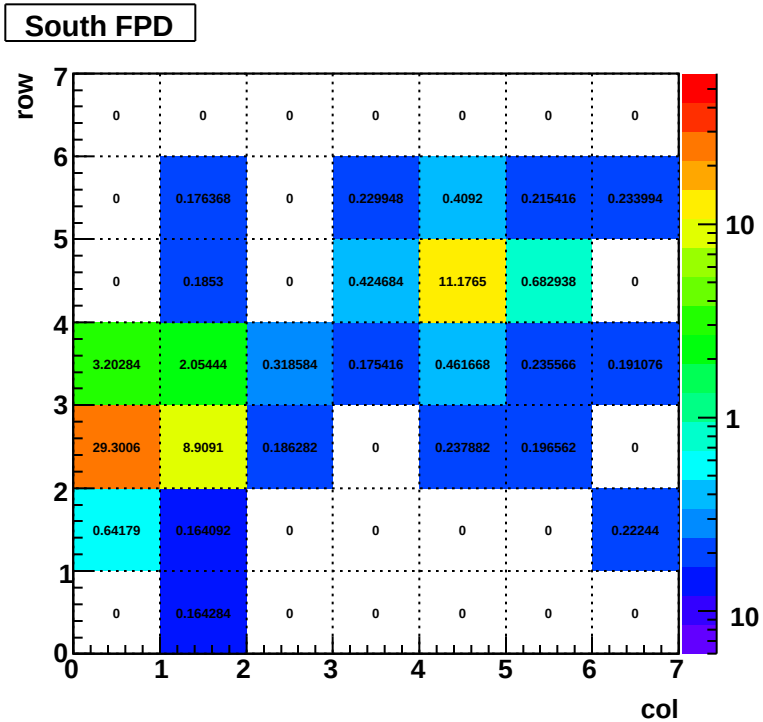
(2) Energy=14.317395 Y=-3.513454 Phi=-0.066043

M12=0.500 Y12=-3.768 Phi12=0.053 E12=61.606

SumN(-) = 50 SumN(+)= 64 AN/.6=0.205







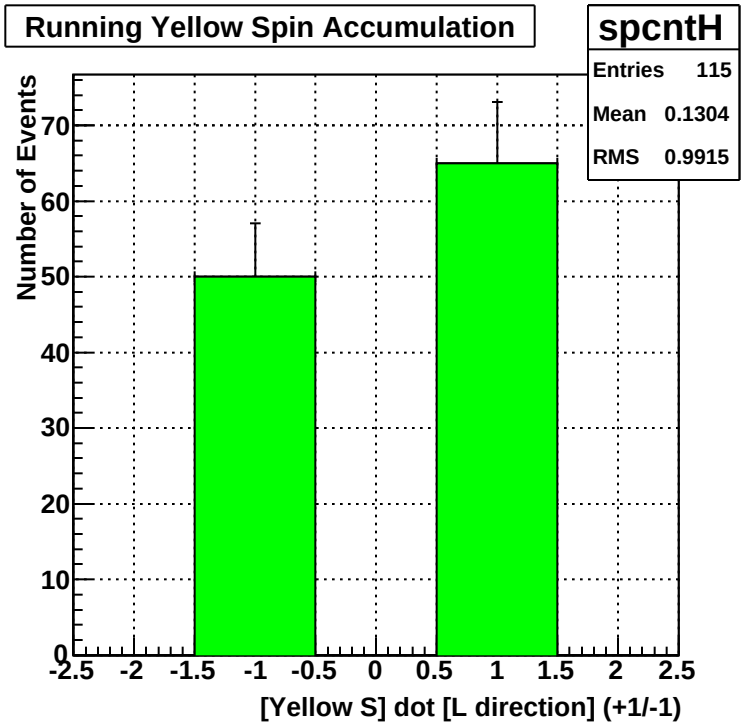
115) Rnum=7129020 EventN=5000294 (3 Yu-N[+])

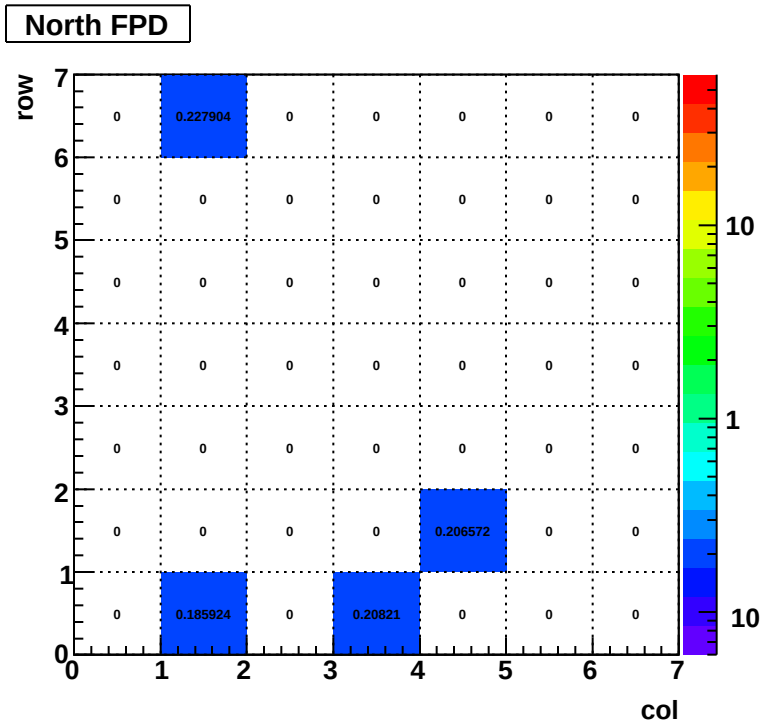
(1) Energy=40.544800 Y=-3.735036 Phi=0.153080

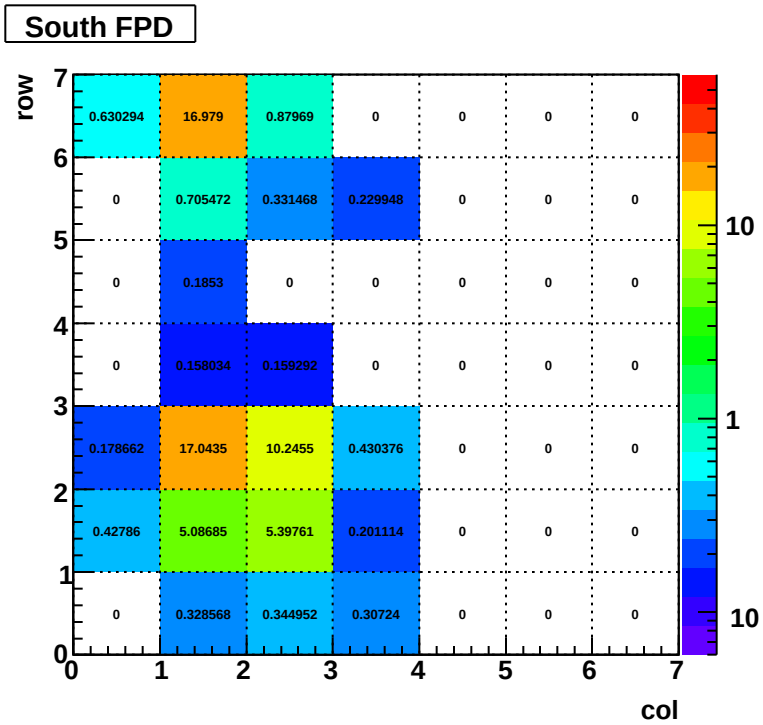
(2) Energy=21.657055 Y=-3.746985 Phi=-0.288969

M12=0.616 Y12=-3.761 Phi12=0.001 E12=62.202

SumN(-) = 50 SumN(+)= 65 AN/.6=0.217







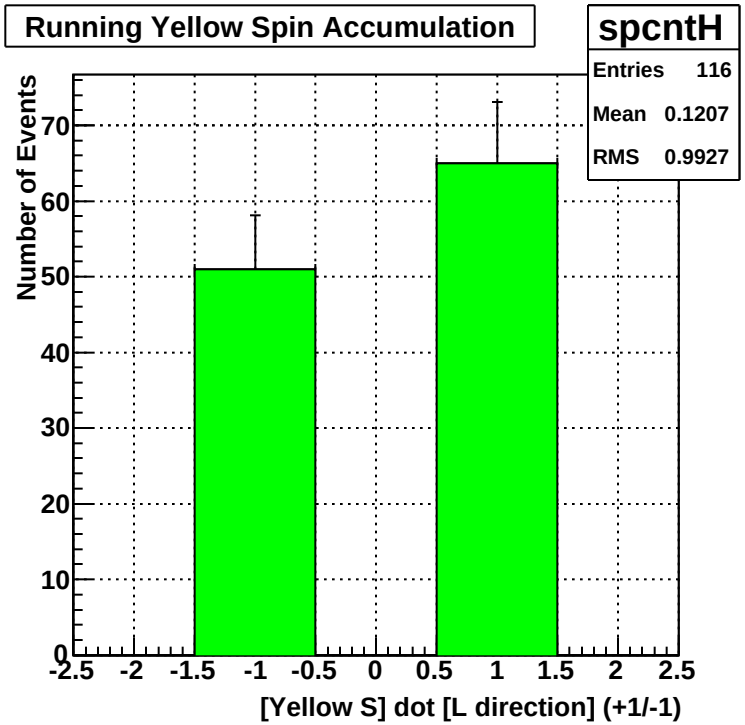
116) Rnum=7129020 EventN=8901943 (1 Yu-S[-])

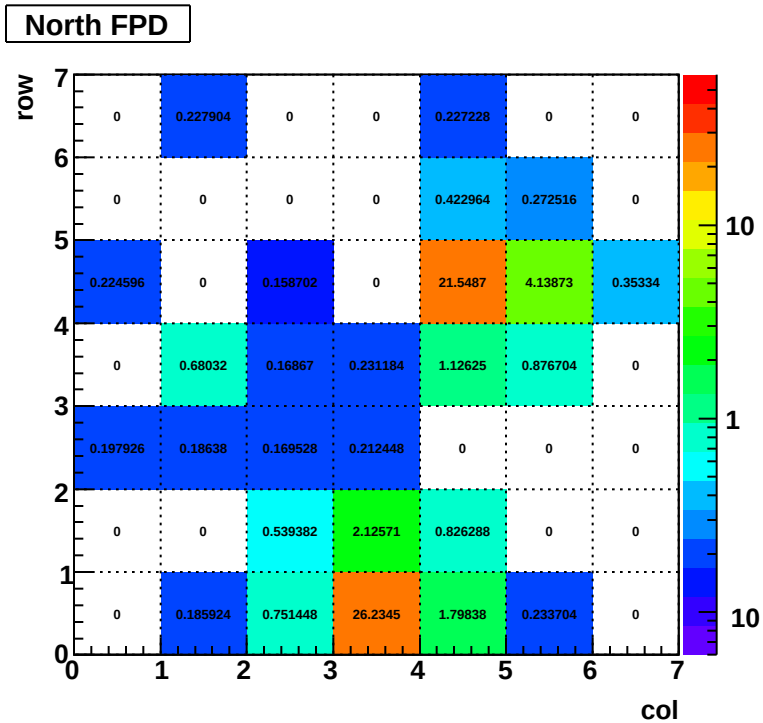
(1) Energy=34.520798 Y=-3.562757 Phi=2.891051

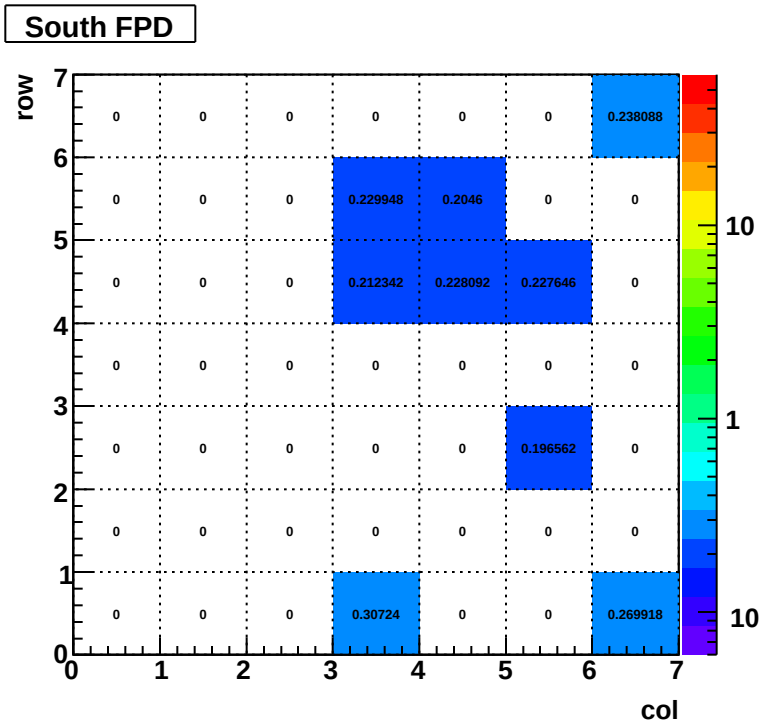
(2) Energy=30.527294 Y=-3.495608 Phi=-3.082896

M12=0.600 Y12=-3.543 Phi12=3.041 E12=65.048

SumN(-) = 51 SumN(+)= 65 AN/.6=0.201







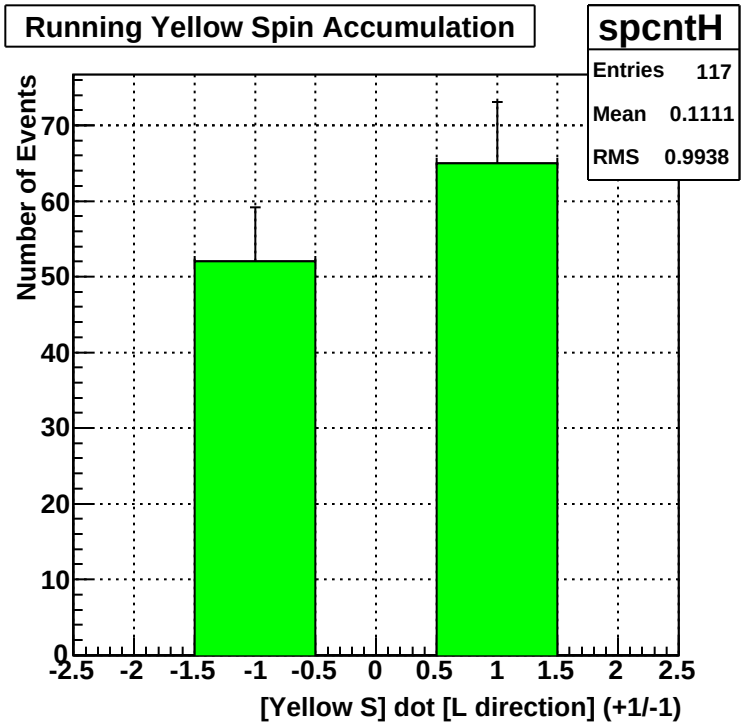
117) Rnum=7129020 EventN=9009486 (3 Yu-S[-])

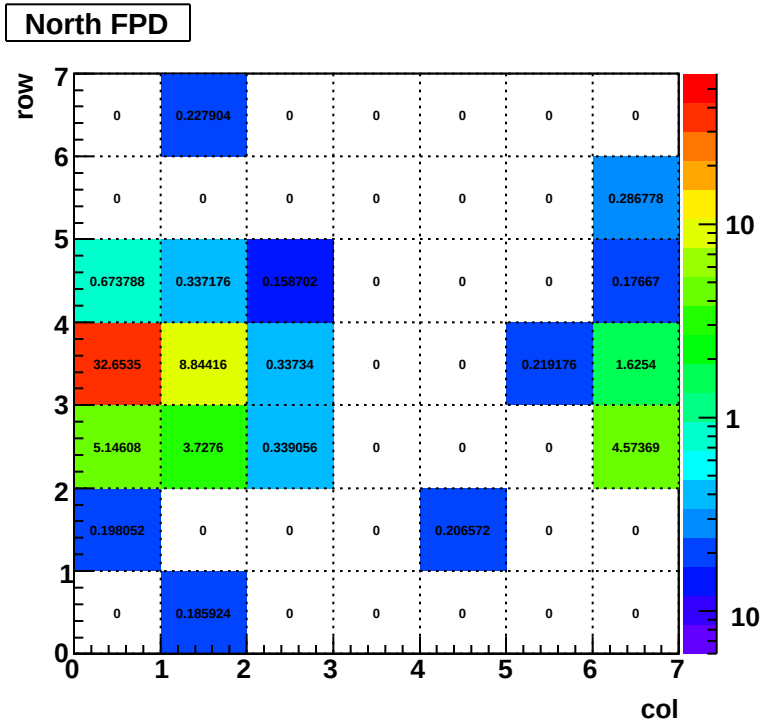
(1) Energy=54.625885 Y=-3.860460 Phi=3.090854

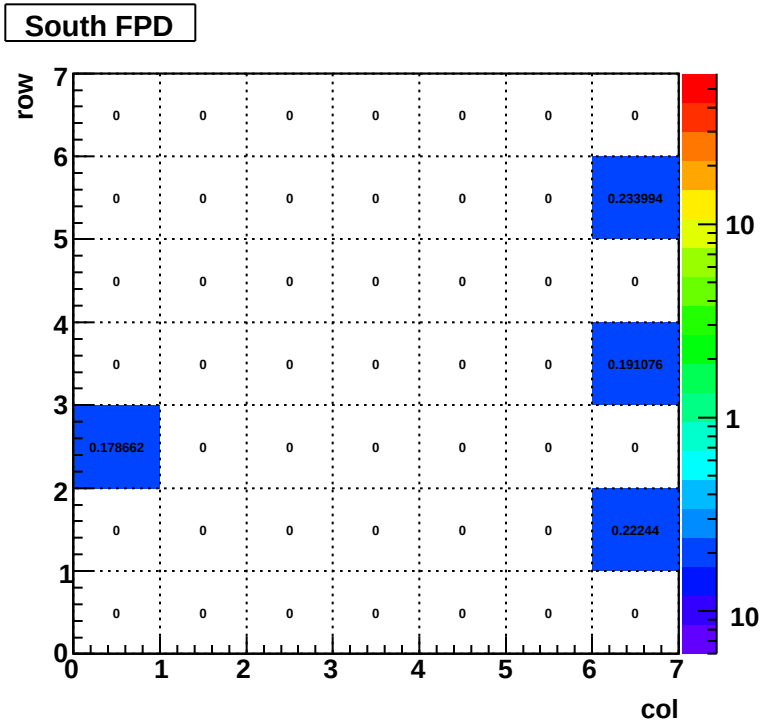
(2) Energy=7.128952 Y=-3.373043 Phi=3.090089

M12=0.522 Y12=-3.790 Phi12=3.091 E12=61.755

SumN(-) = 52 SumN(+)= 65 AN/.6=0.185







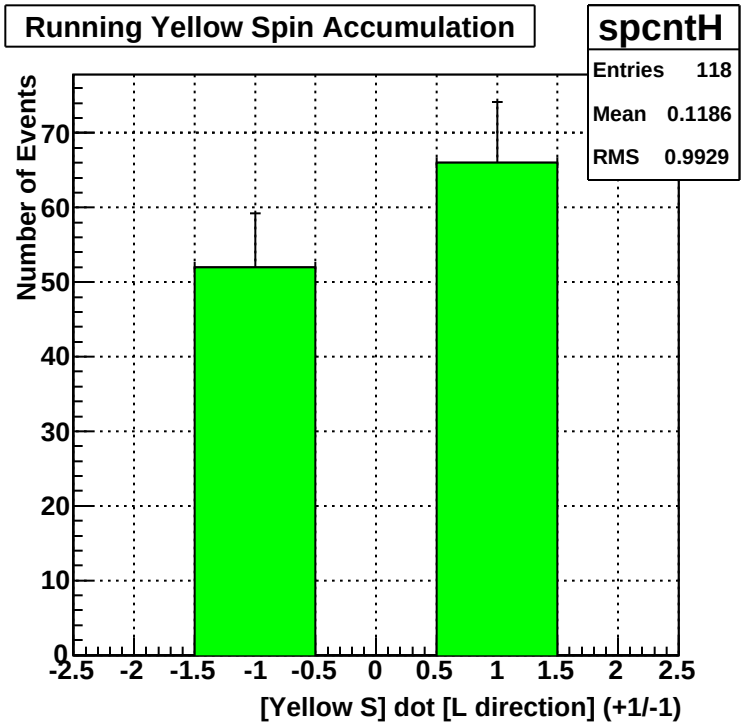
118) Rnum=7129020 EventN=1109127 (2 Yd-S[+])

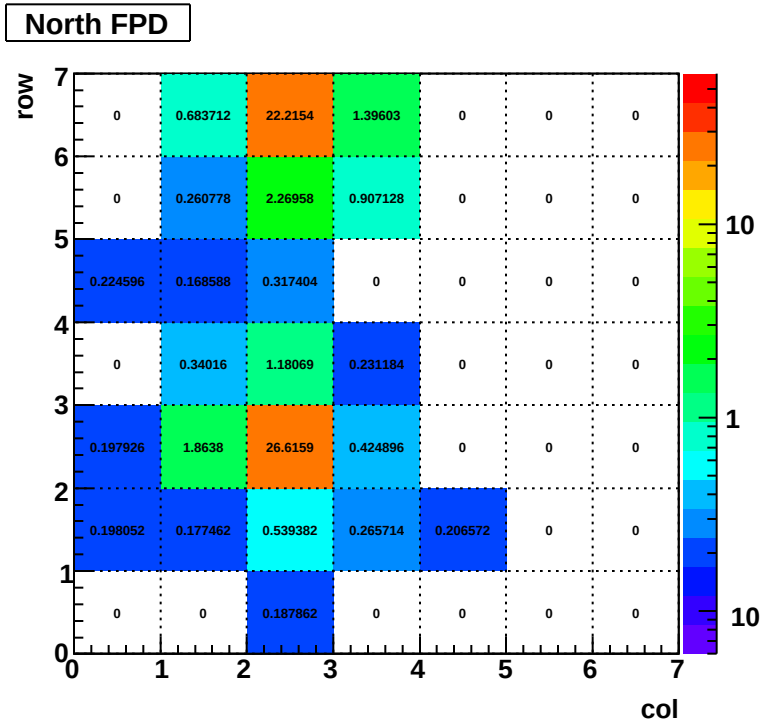
(1) Energy=34.110672 Y=-3.702308 Phi=3.038108

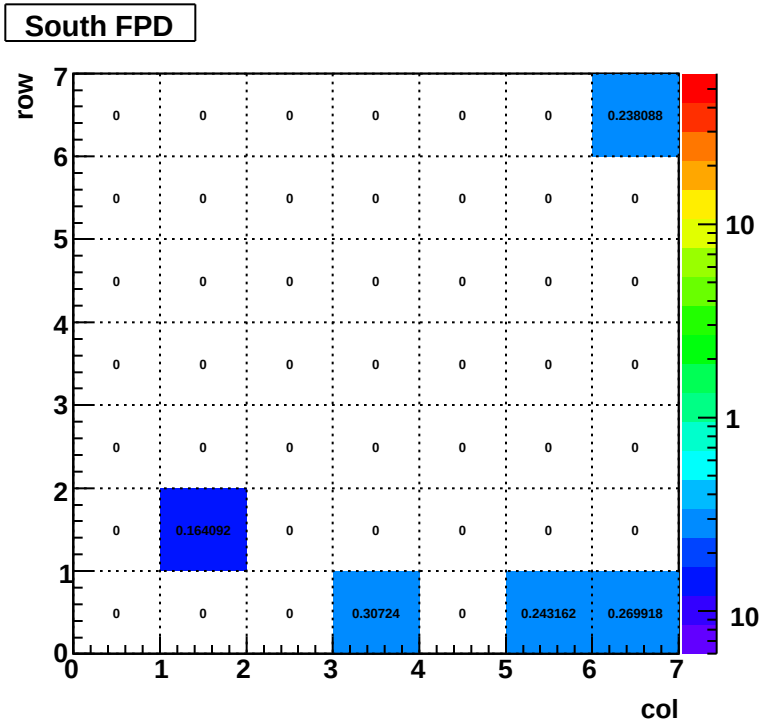
(2) Energy=29.656324 Y=-3.654546 Phi=-2.898628

M12=0.559 Y12=-3.695 Phi12=-3.080 E12=63.767

SumN(-) = 52 SumN(+)= 66 AN/.6=0.198







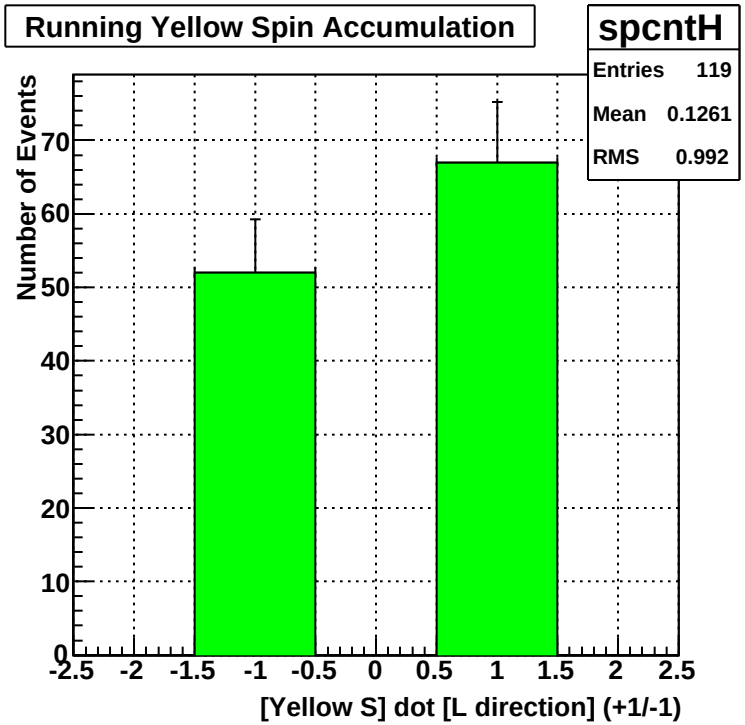
119) Rnum=7129022 EventN=200892 (0 Yd-S[+])

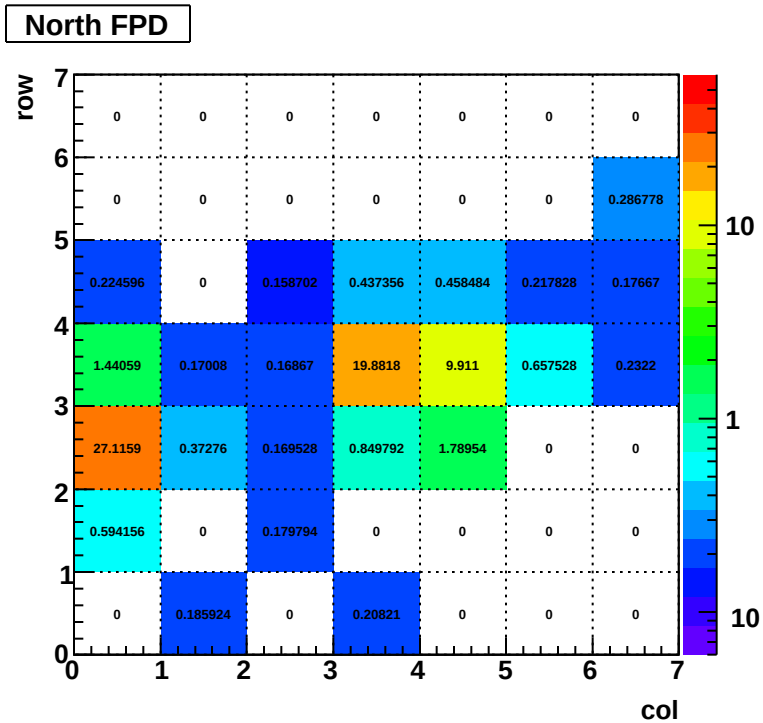
(1) Energy=34.147472 Y=-3.912145 Phi=3.014155

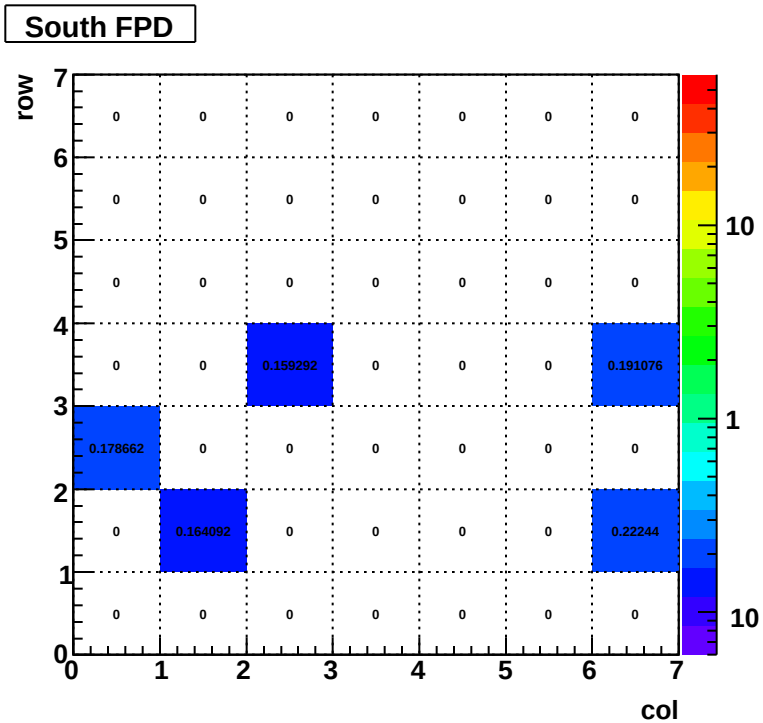
(2) Energy=35.333572 Y=-3.566874 Phi=3.120840

M12=0.599 Y12=-3.723 Phi12=3.077 E12=69.481

SumN(-) = 52 SumN(+)= 67 AN/.6=0.210







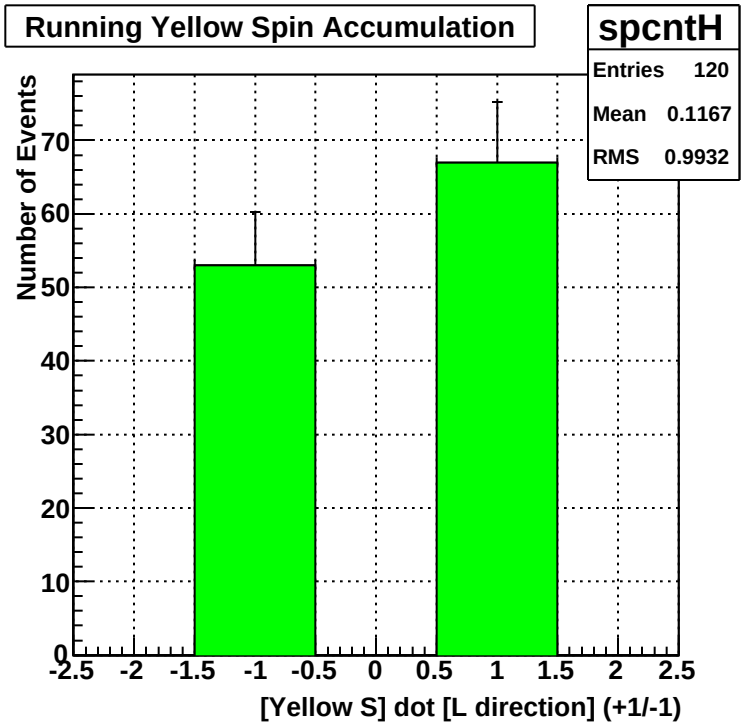
120) Rnum=7129023 EventN=5907906 (3 Yu-S[-])

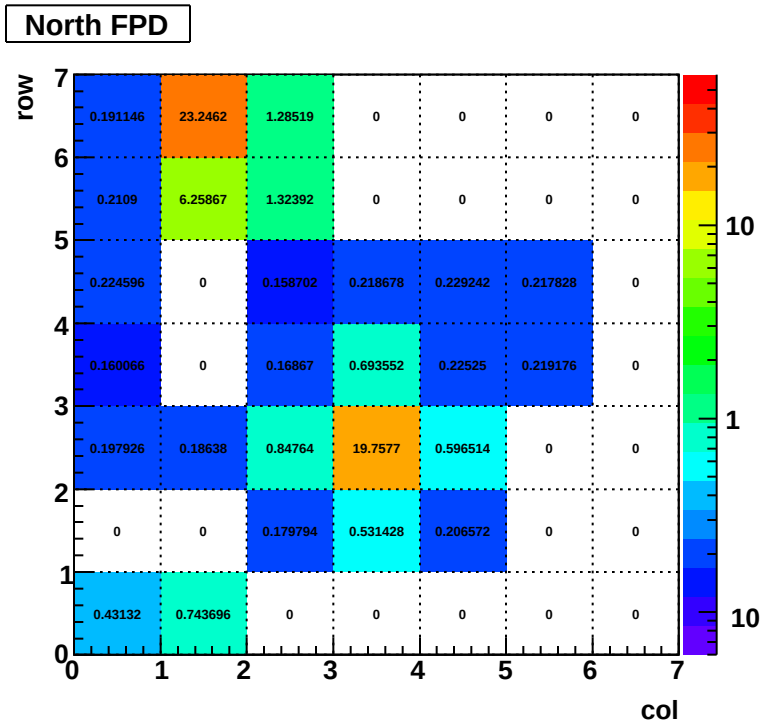
(1) Energy=35.175617 Y=-3.747328 Phi=-2.891012

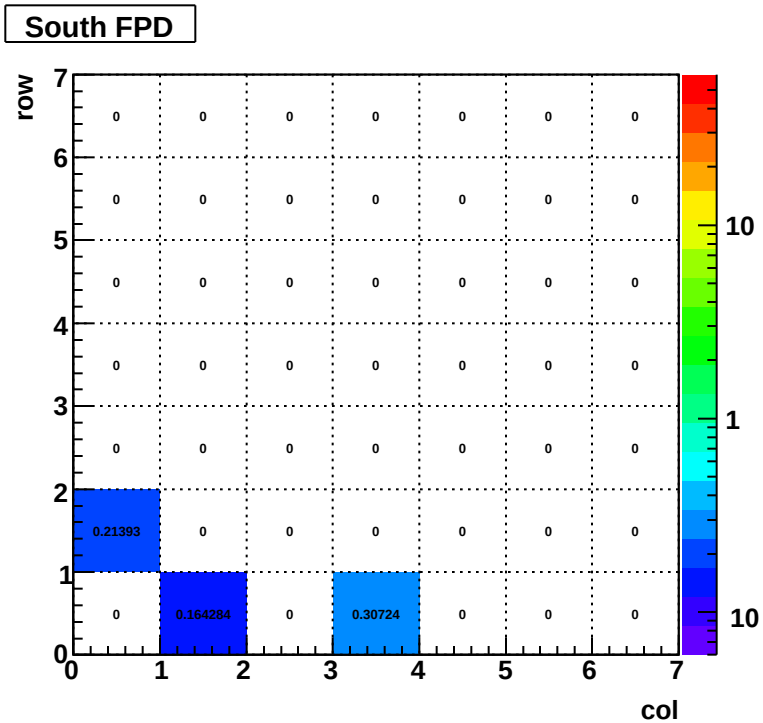
(2) Energy=24.961870 Y=-3.602637 Phi=3.044288

M12=0.563 Y12=-3.700 Phi12=-3.048 E12=60.137

SumN(-) = 53 SumN(+)= 67 AN/.6=0.194







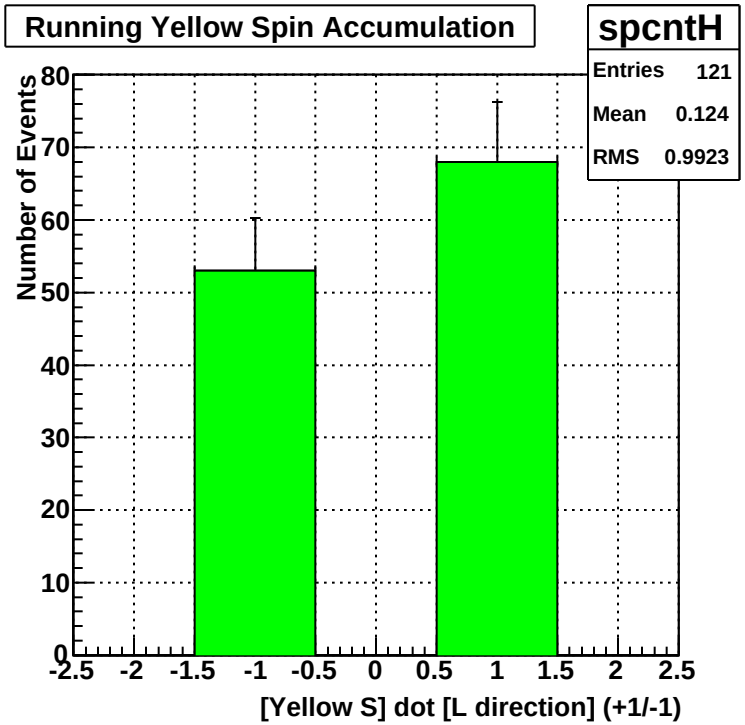
121) Rnum=7129023 EventN=1501945 (0 Yd-S[+])

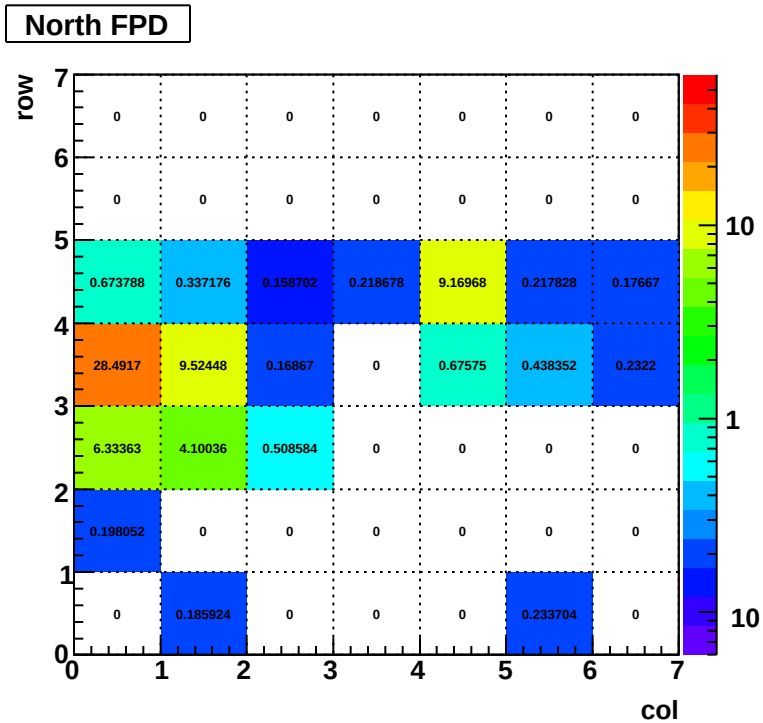
(1) Energy=52.497181 Y=-3.857222 Phi=3.085819

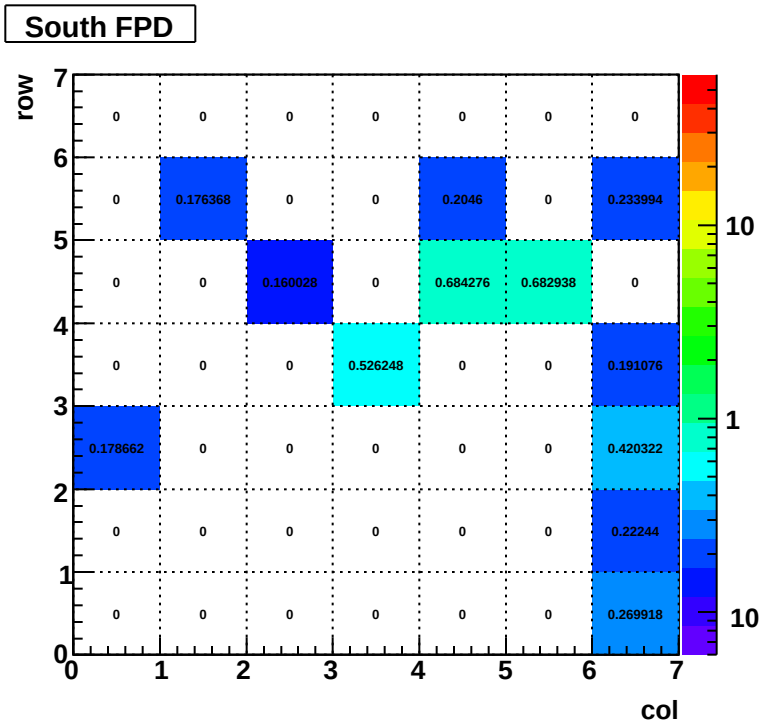
(2) Energy=12.247591 Y=-3.504504 Phi=-3.084872

M12=0.475 Y12=-3.781 Phi12=3.114 E12=64.745

SumN(-) = 53 SumN(+)= 68 AN/.6=0.207







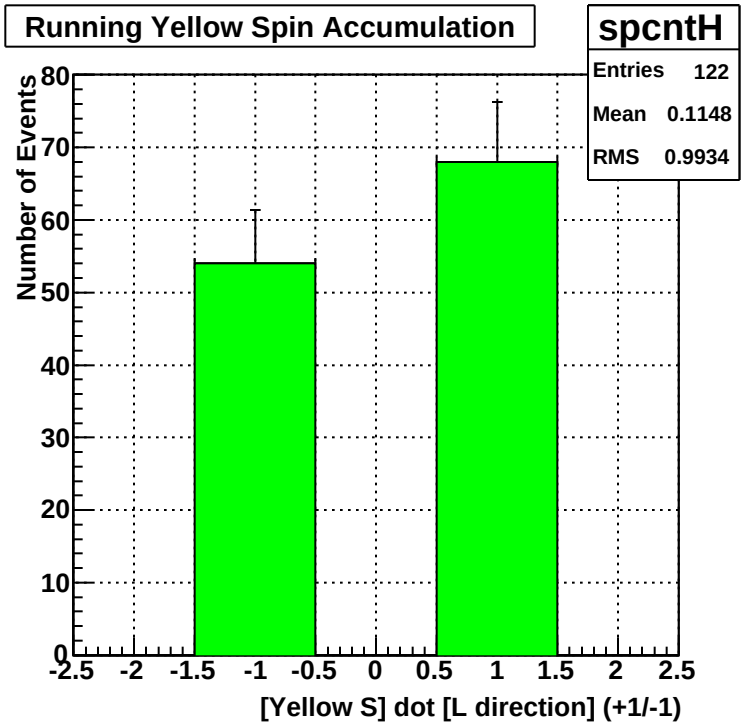
122) Rnum=7129023 EventN=2107487 (3 Yu-S[-])

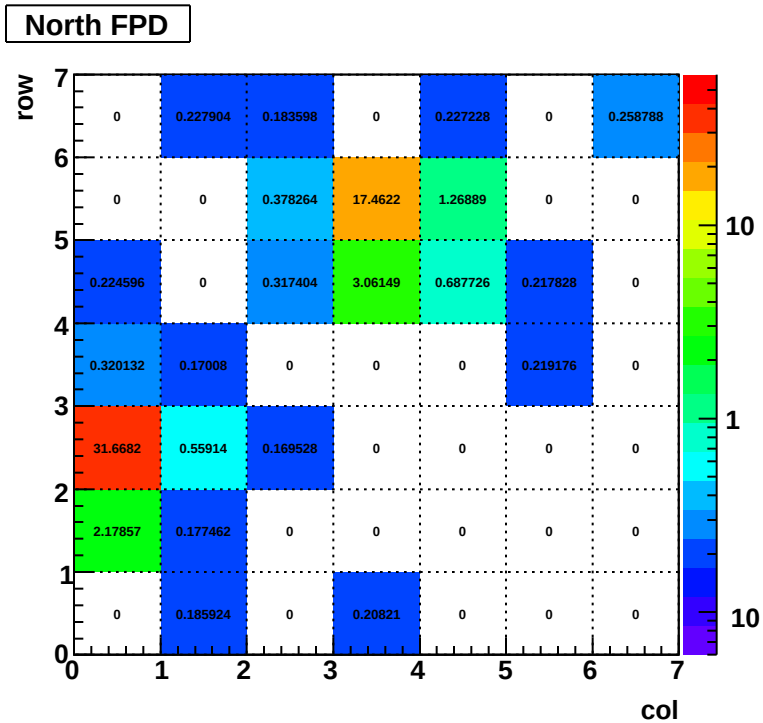
(1) Energy=40.743351 Y=-3.910879 Phi=2.989785

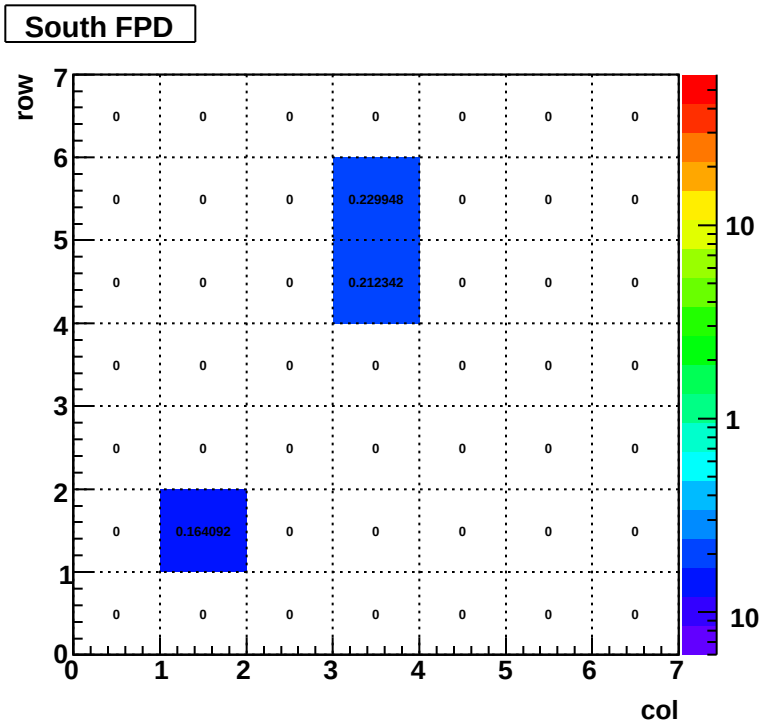
(2) Energy=24.806217 Y=-3.583771 Phi=-3.009733

M12=0.650 Y12=-3.784 Phi12=3.120 E12=65.550

SumN(-) = 54 SumN(+)= 68 AN/.6=0.191







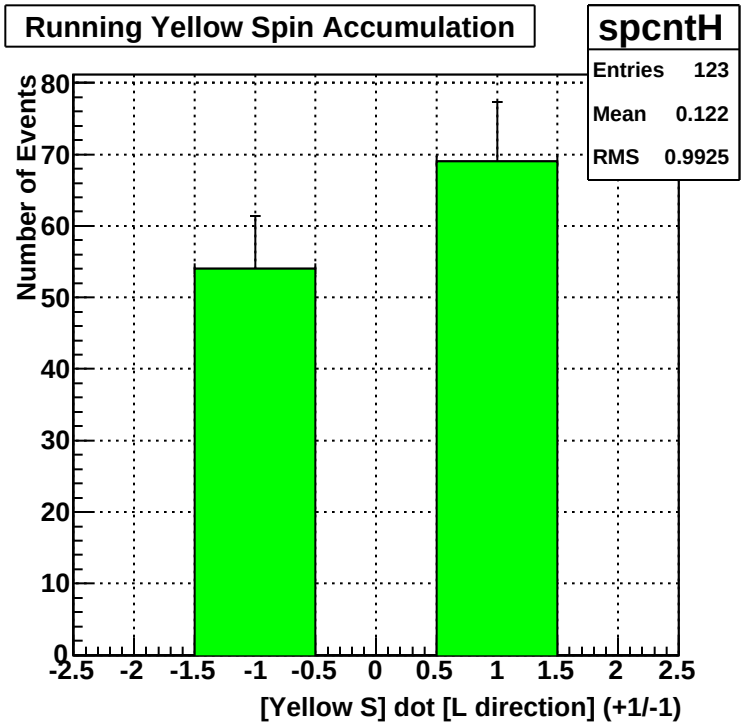
123) Rnum=7129031 EventN=7706150 (2 Yd-S[+])

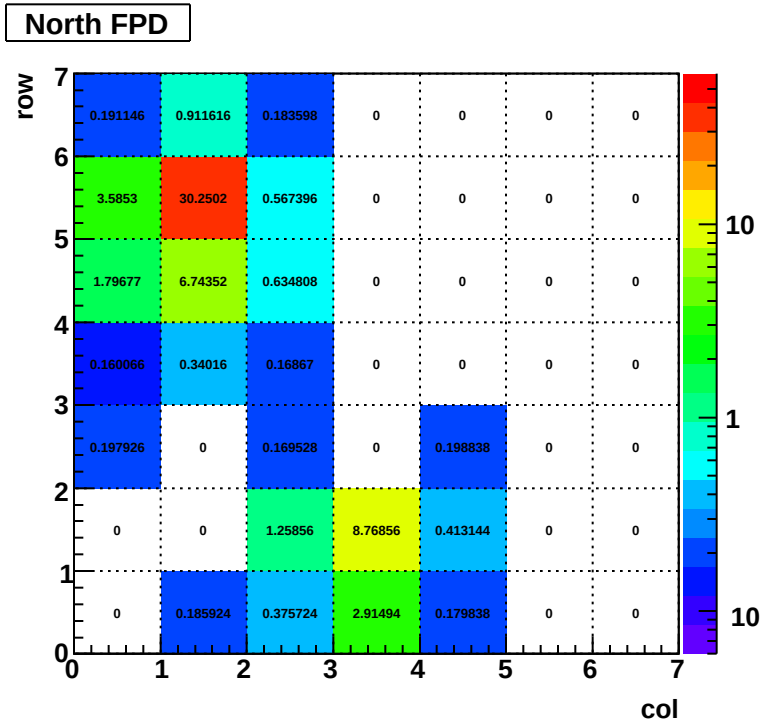
(1) Energy=46.353848 Y=-3.806255 Phi=-2.980996

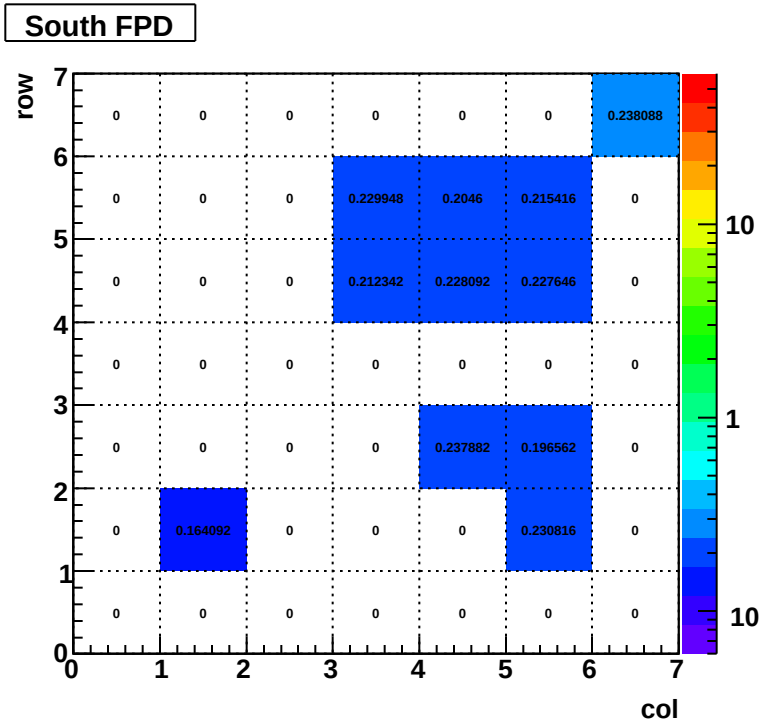
(2) Energy=14.447391 Y=-3.598955 Phi=2.921300

M12=0.551 Y12=-3.768 Phi12=-3.086 E12=60.801

SumN(-) = 54 SumN(+)= 69 AN/.6=0.203







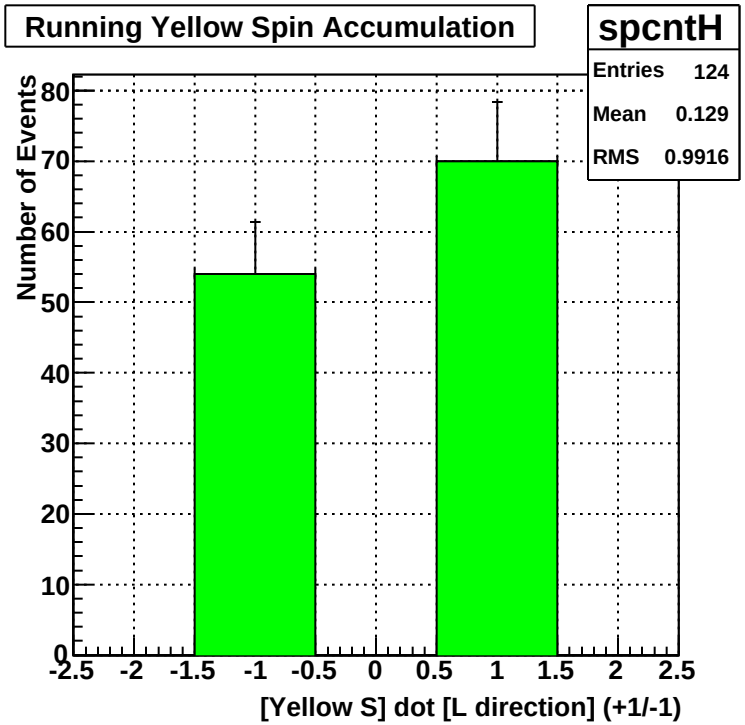
124) Rnum=7129031 EventN=8702667 (1 Yu-N[+])

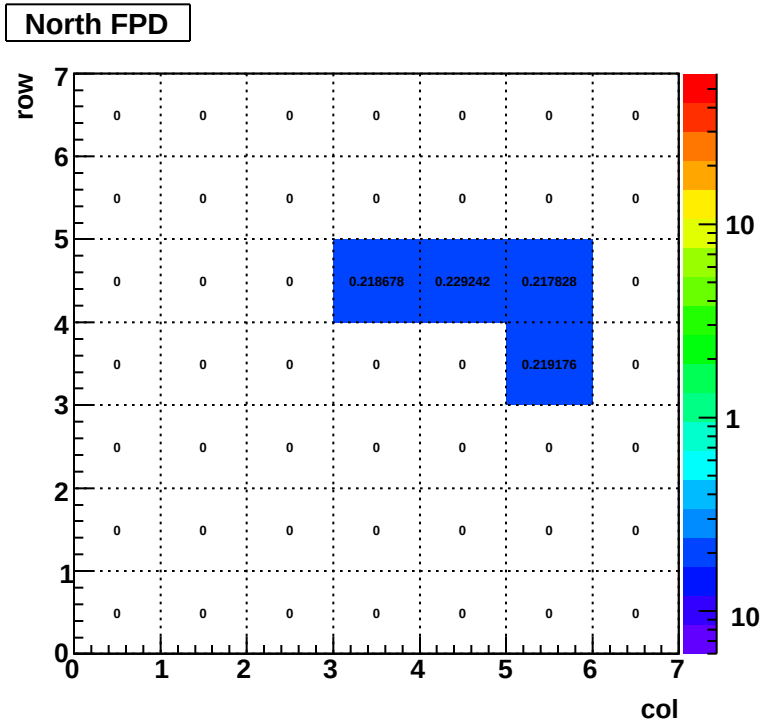
(1) Energy=35.659828 Y=-3.746482 Phi=-0.257014

(2) Energy=24.804424 Y=-3.501927 Phi=0.025669

M12=0.592 Y12=-3.649 Phi12=-0.124 E12=60.464

SumN(-) = 54 SumN(+)= 70 AN/.6=0.215




North FPD
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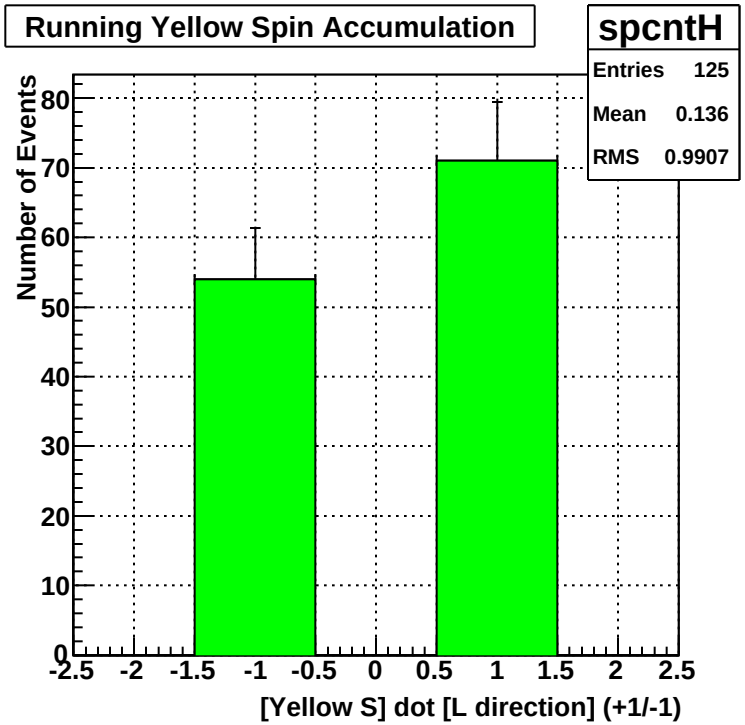
125) Rnum=7129032 EventN=7408554 (3 Yu-N[+])

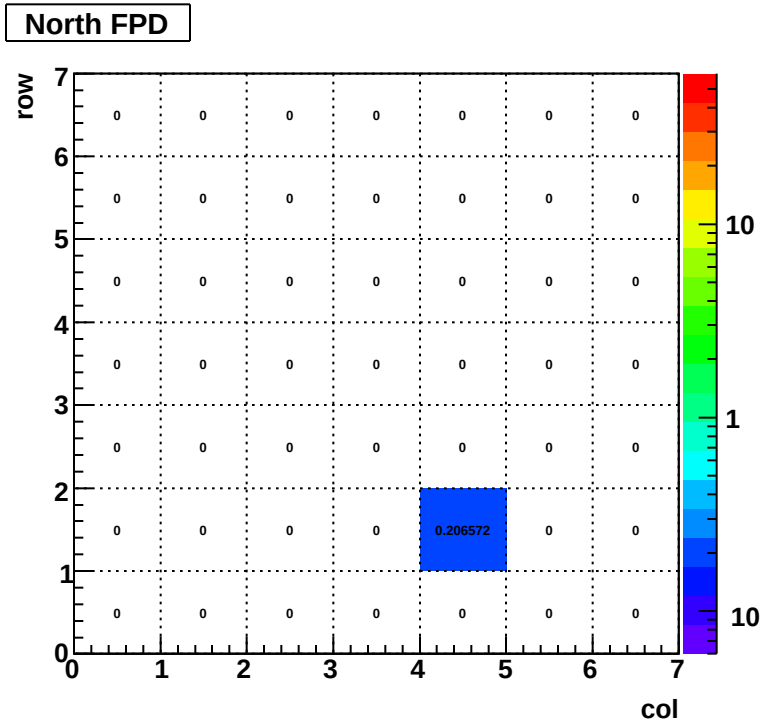
(1) Energy=37.015198 Y=-3.507174 Phi=-0.029900

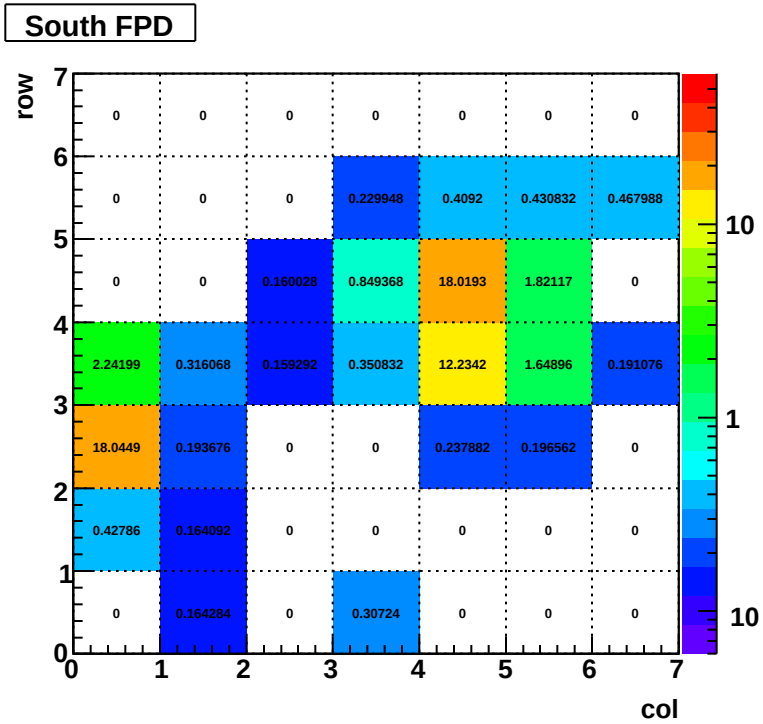
(2) Energy=24.385830 Y=-3.921608 Phi=0.108924

M12=0.644 Y12=-3.654 Phi12=0.012 E12=61.401

SumN(-) = 54 SumN(+)= 71 AN/.6=0.227







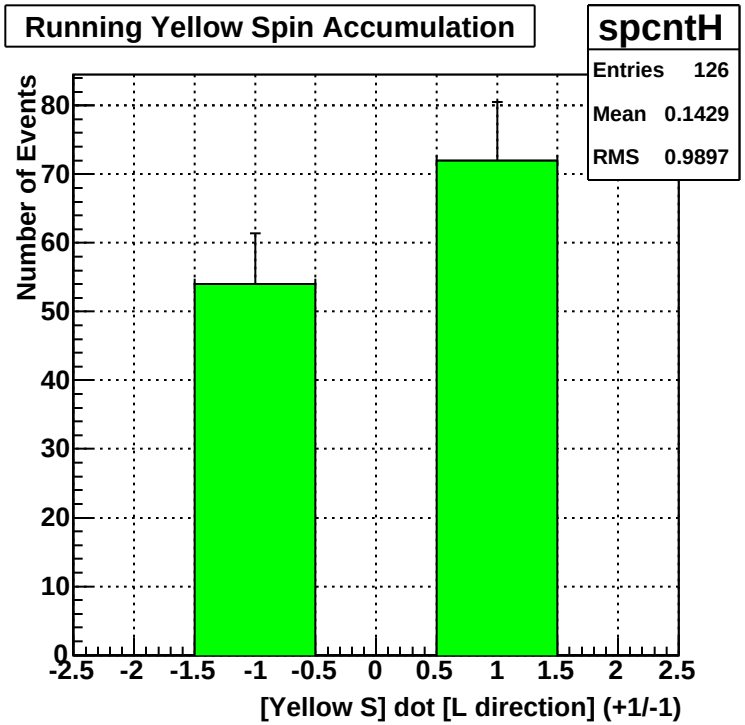
126) Rnum=7129035 EventN=8501217 (3 Yu-N[+])

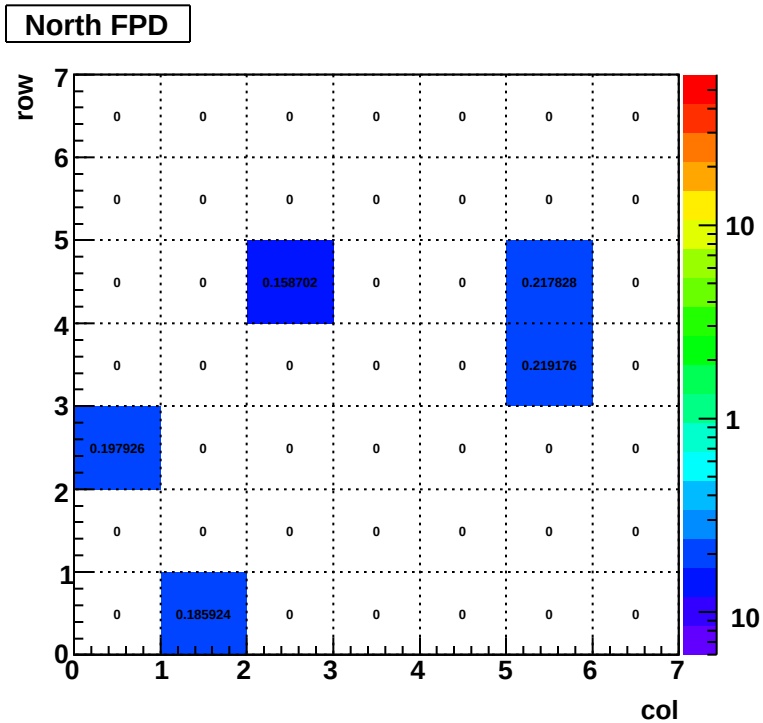
(1) Energy=47.414768 Y=-3.846020 Phi=0.016863

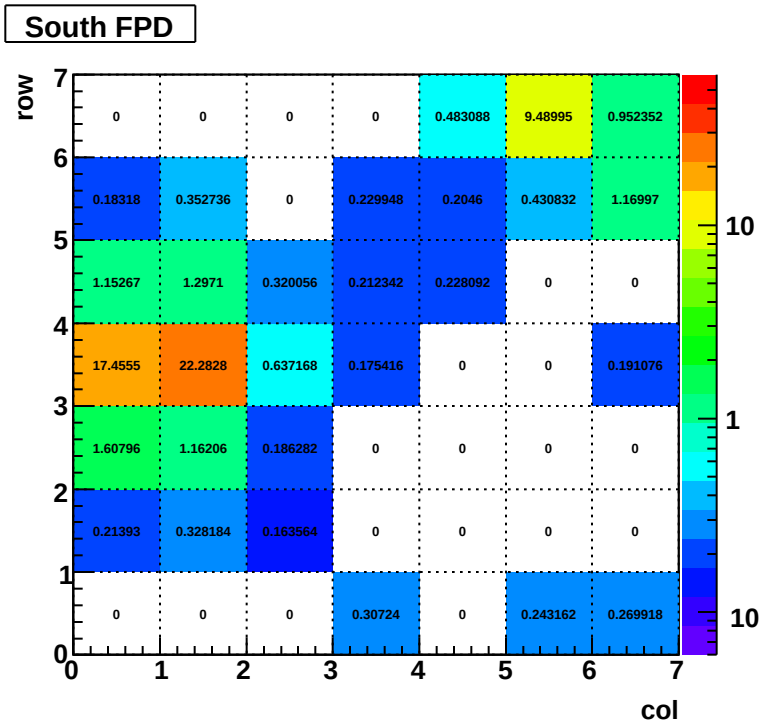
(2) Energy=12.644779 Y=-3.410790 Phi=-0.198344

M12=0.635 Y12=-3.742 Phi12=-0.046 E12=60.060

SumN(-) = 54 SumN(+)= 72 AN/.6=0.238







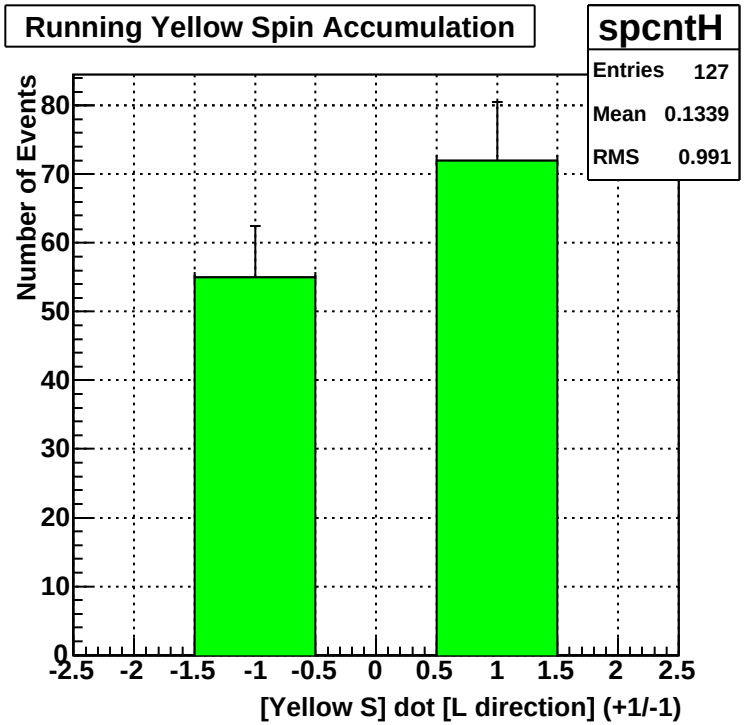
127) Rnum=7129041 EventN=4000514 (3 Yu-S[-])

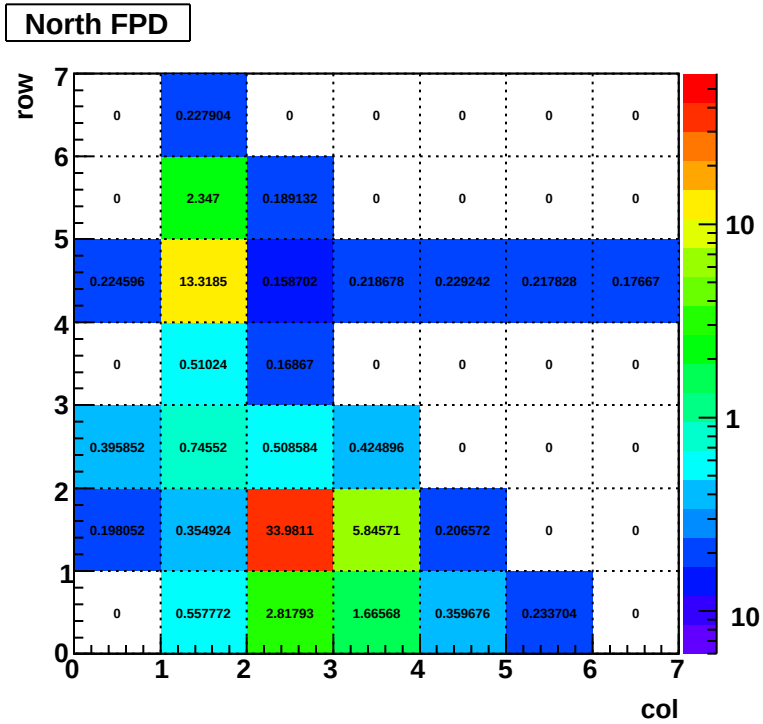
(1) Energy=48.662880 Y=-3.644367 Phi=2.929959

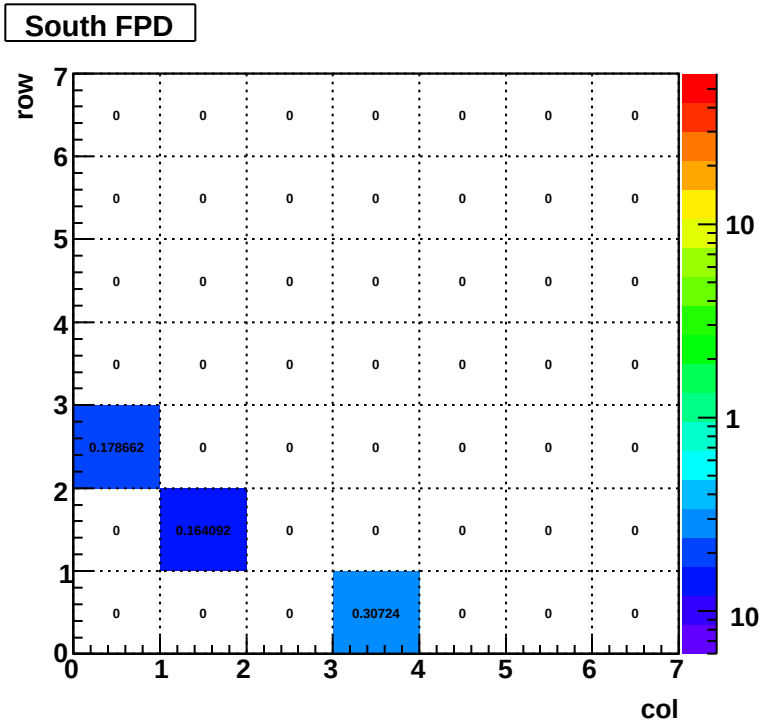
(2) Energy=18.561852 Y=-3.778842 Phi=-3.023624

M12=0.521 Y12=-3.690 Phi12=3.012 E12=67.225

SumN(-) = 55 SumN(+)= 72 AN/.6=0.223







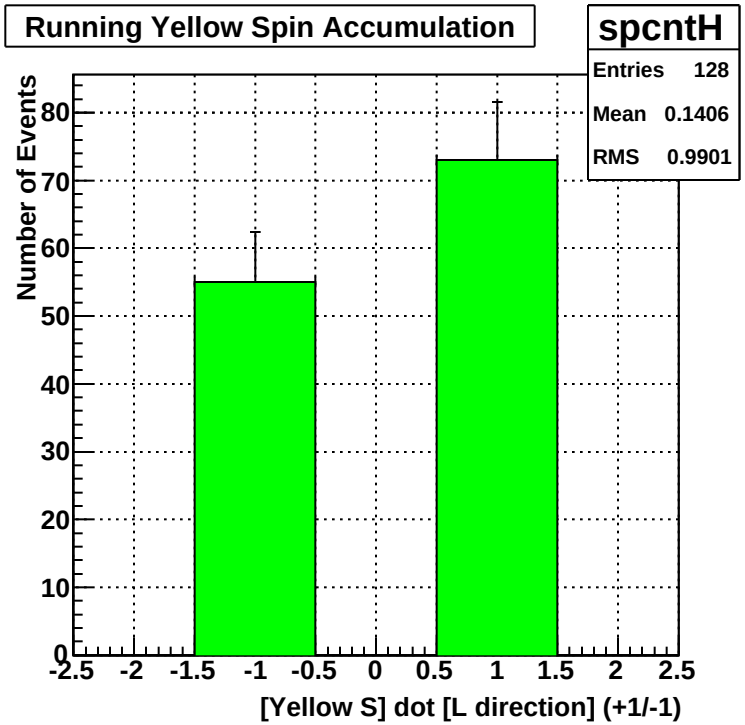
128) Rnum=7129041 EventN=4505040 (0 Yd-S[+])

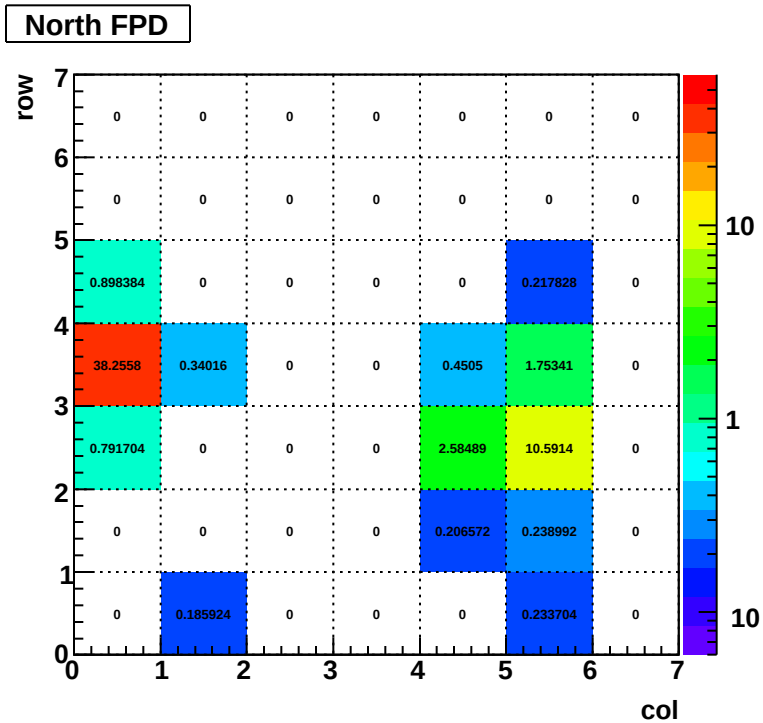
(1) Energy=46.101307 Y=-3.915184 Phi=3.126239

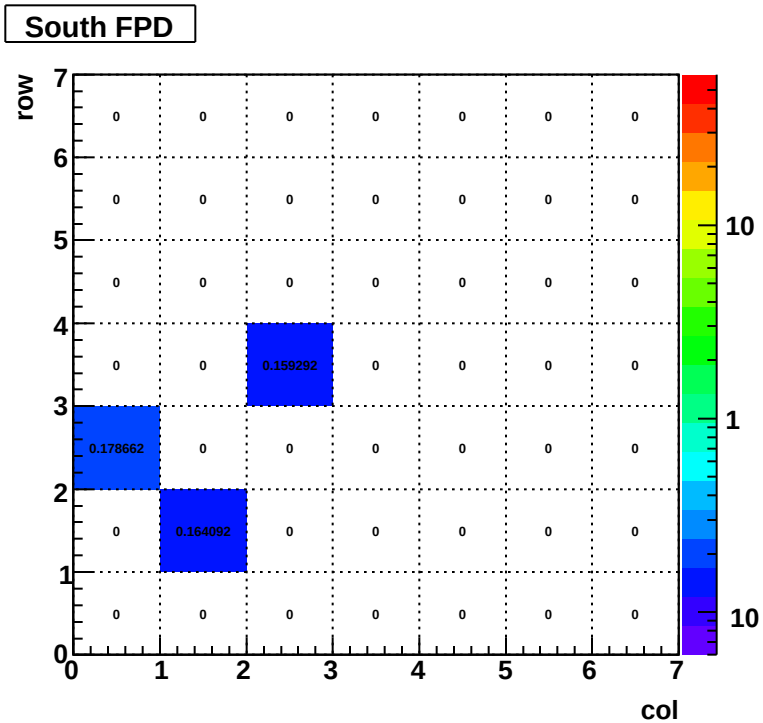
(2) Energy=16.644836 Y=-3.468899 Phi=3.074867

M12=0.625 Y12=-3.776 Phi12=3.108 E12=62.746

SumN(-) = 55 SumN(+)= 73 AN/.6=0.234







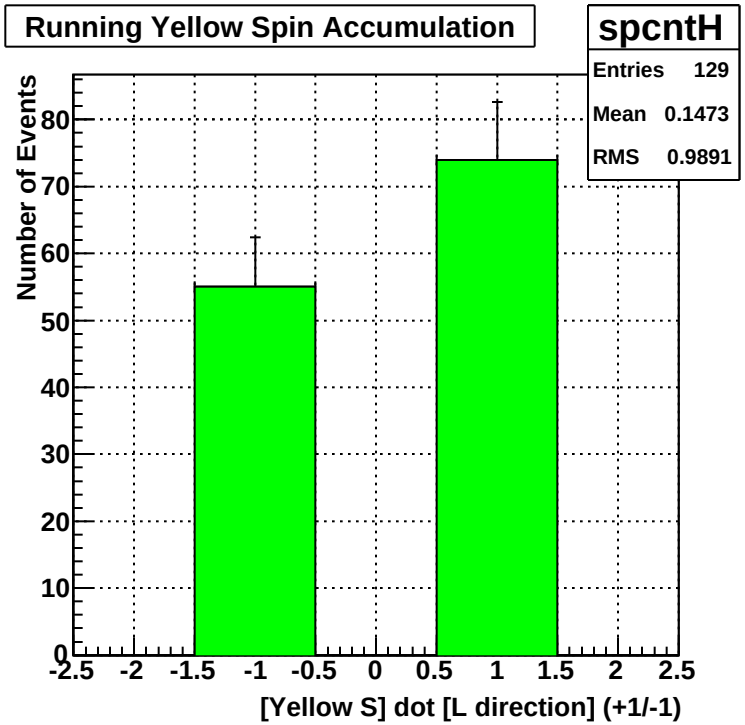
129) Rnum=7129041 EventN=800464 (2 Yd-S[+])

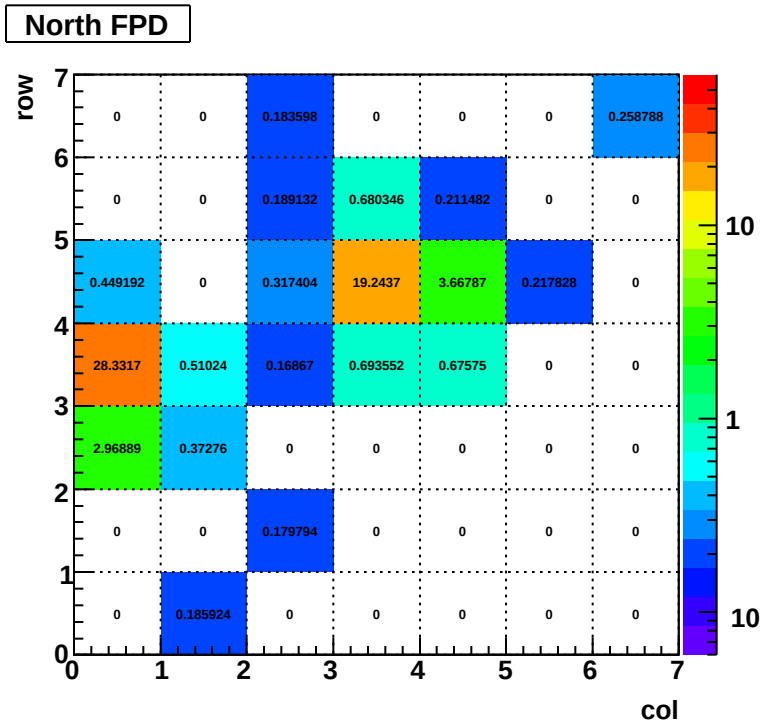
(1) Energy=37.300064 Y=-3.921682 Phi=3.101699

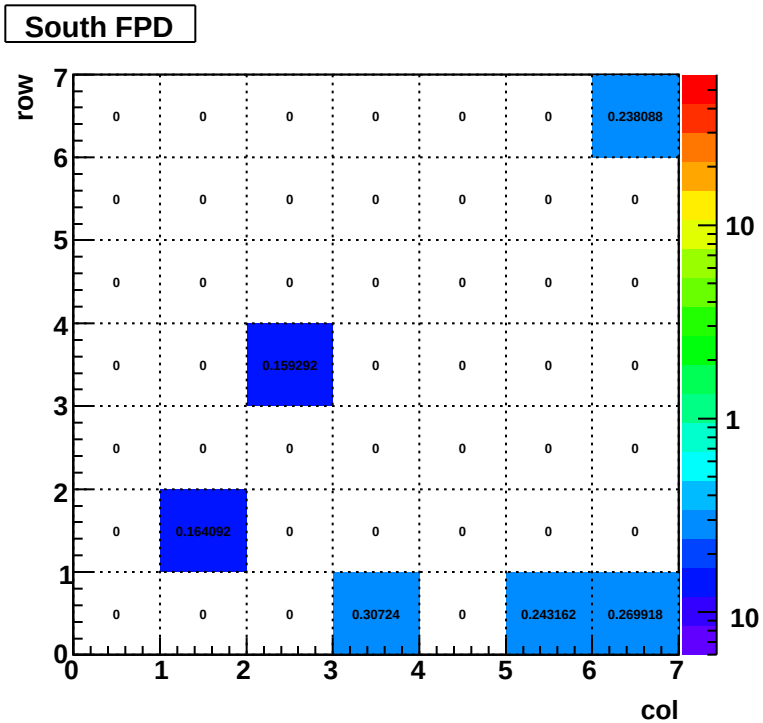
(2) Energy=27.066992 Y=-3.575739 Phi=-3.072870

M12=0.545 Y12=-3.763 Phi12=-3.127 E12=64.367

SumN(-) = 55 SumN(+)= 74 AN/.6=0.245







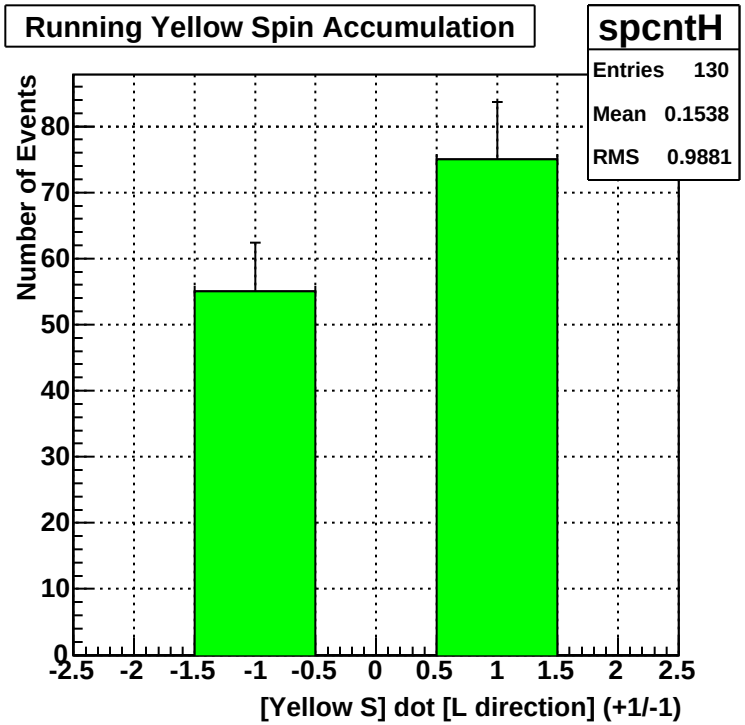
130) Rnum=7129052 EventN=1606630 (3 Yu-N[+])

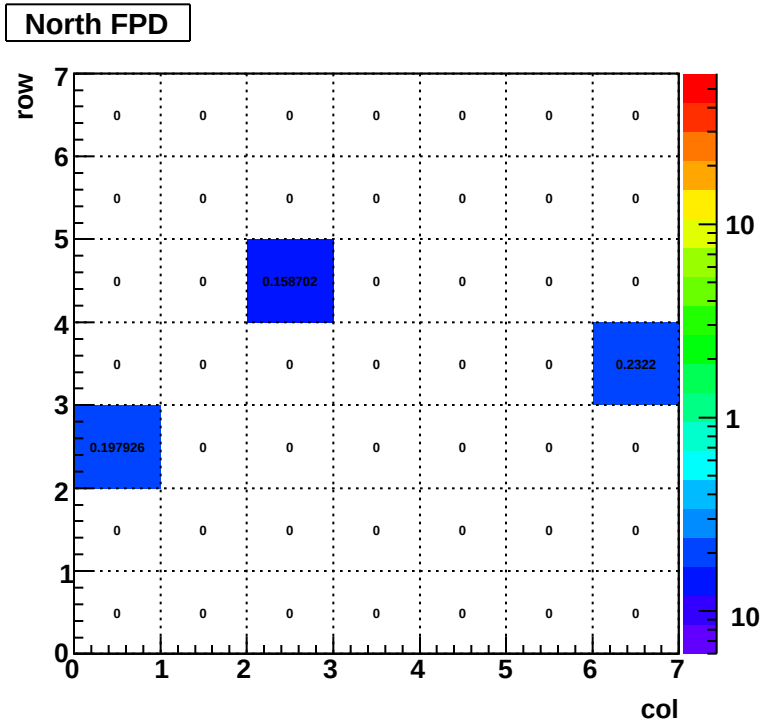
(1) Energy=47.220276 Y=-3.660917 Phi=-0.087450

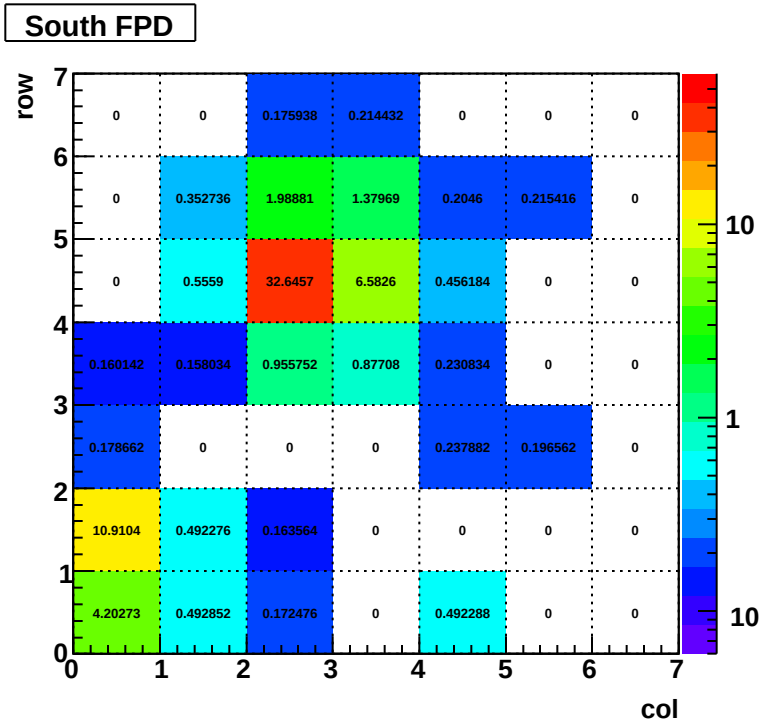
(2) Energy=17.954502 Y=-3.858953 Phi=0.289924

M12=0.575 Y12=-3.725 Phi12=0.001 E12=65.175

SumN(-) = 55 SumN(+)= 75 AN/.6=0.256







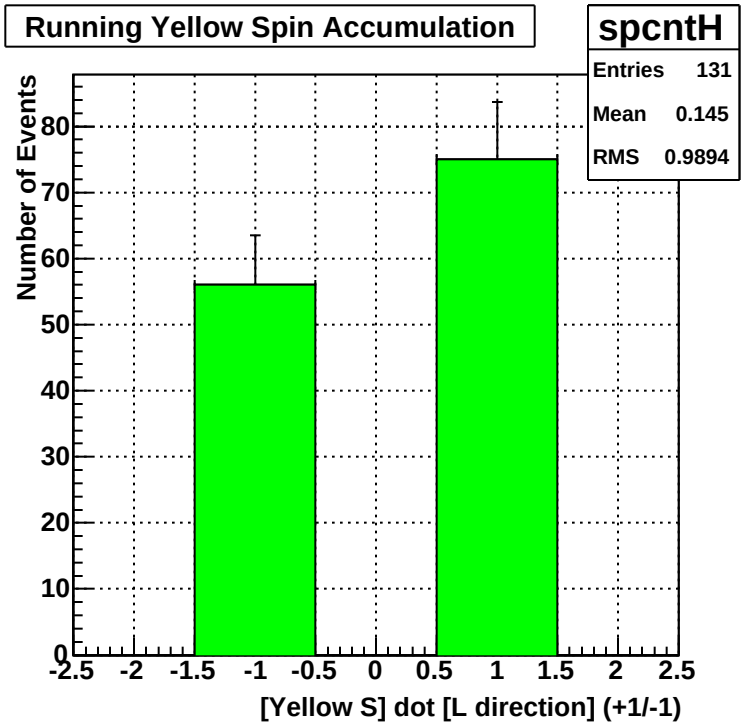
131) Rnum=7129060 EventN=5501859 (3 Yu-S[-])

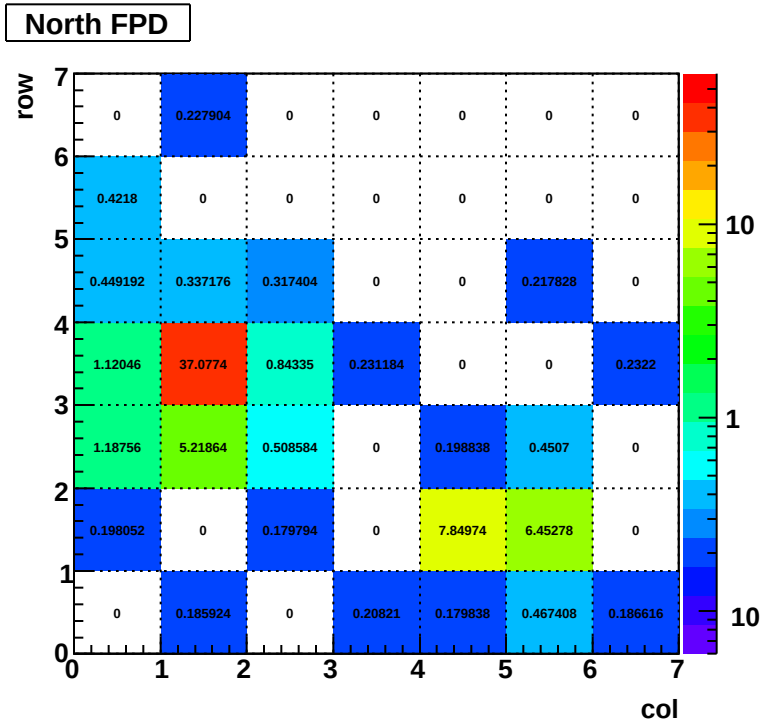
(1) Energy=49.898941 Y=-3.797190 Phi=3.098159

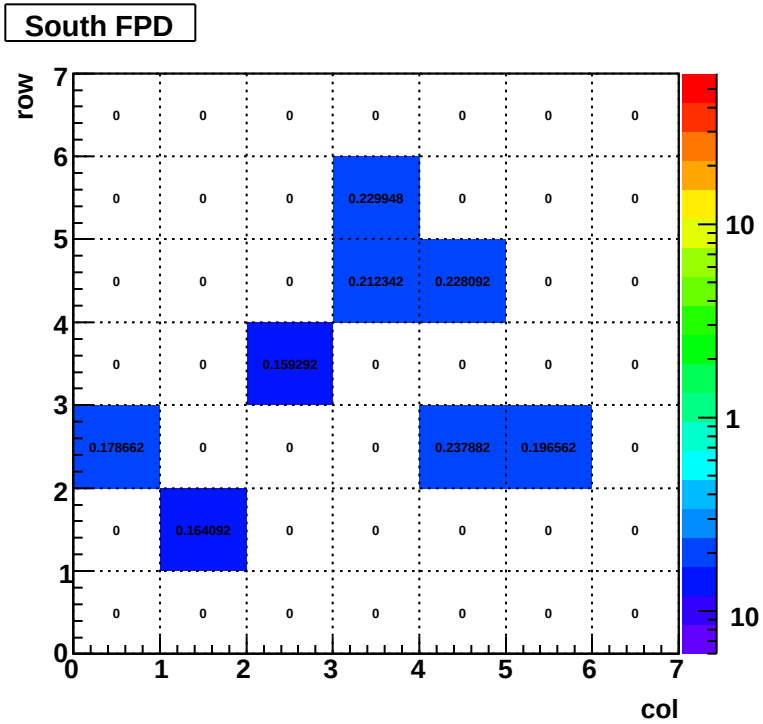
(2) Energy=16.735340 Y=-3.470601 Phi=2.978397

M12=0.533 Y12=-3.706 Phi12=3.060 E12=66.634

SumN(-) = 56 SumN(+)= 75 AN/.6=0.242







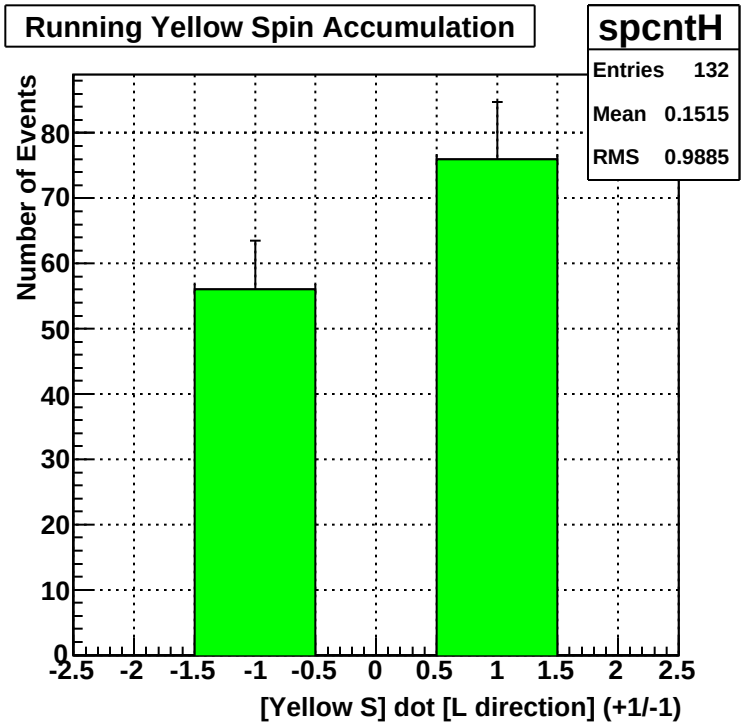
132) Rnum=7129063 EventN=4105046 (1 Yu-N[+])

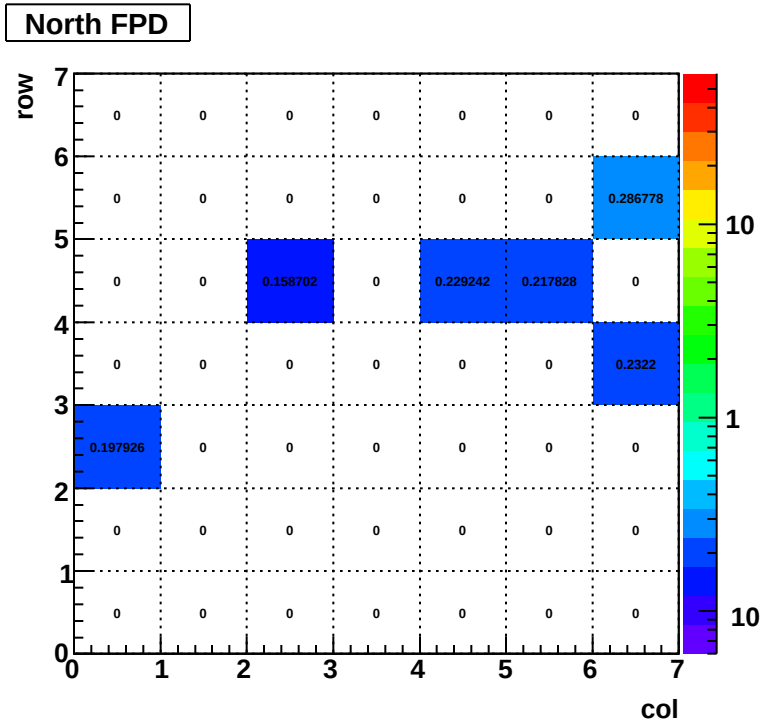
(1) Energy=39.078293 Y=-3.688760 Phi=-0.228866

(2) Energy=28.817160 Y=-3.847115 Phi=0.125551

M12=0.599 Y12=-3.768 Phi12=-0.092 E12=67.895

SumN(-) = 56 SumN(+)= 76 AN/.6=0.253

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0.229242
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0
0
0.2322
0.197926
0
0
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0
0

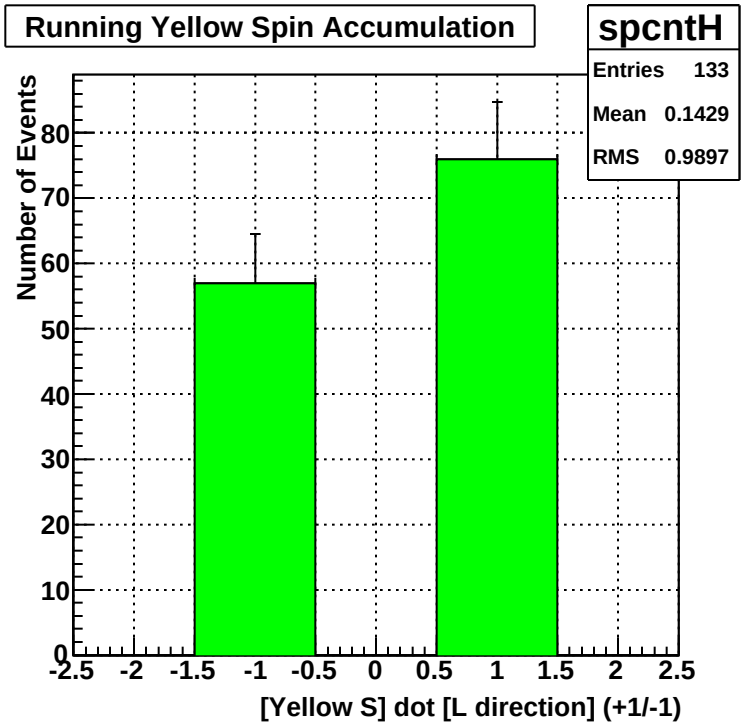
133) Rnum=7129065 EventN=5003835 (2 Yd-N[-])

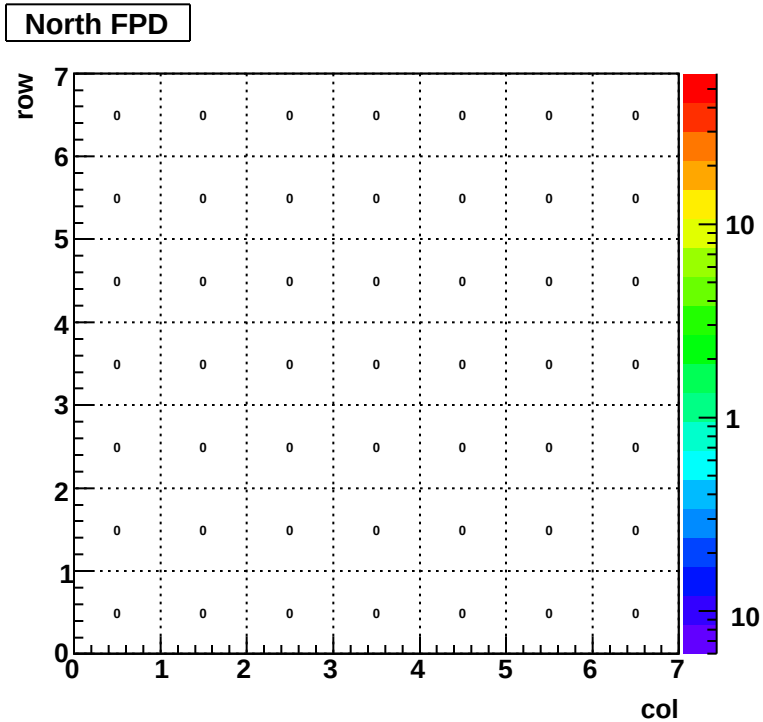
(1) Energy=39.522514 Y=-3.649629 Phi=-0.137160

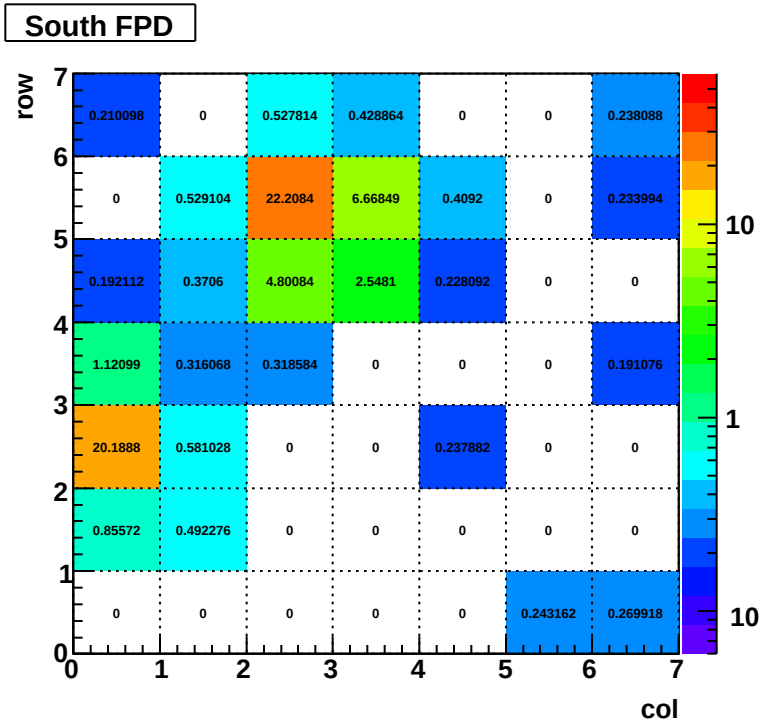
(2) Energy=25.978888 Y=-3.908337 Phi=0.129757

M12=0.544 Y12=-3.752 Phi12=-0.048 E12=65.501

SumN(-) = 57 SumN(+)= 76 AN/.6=0.238







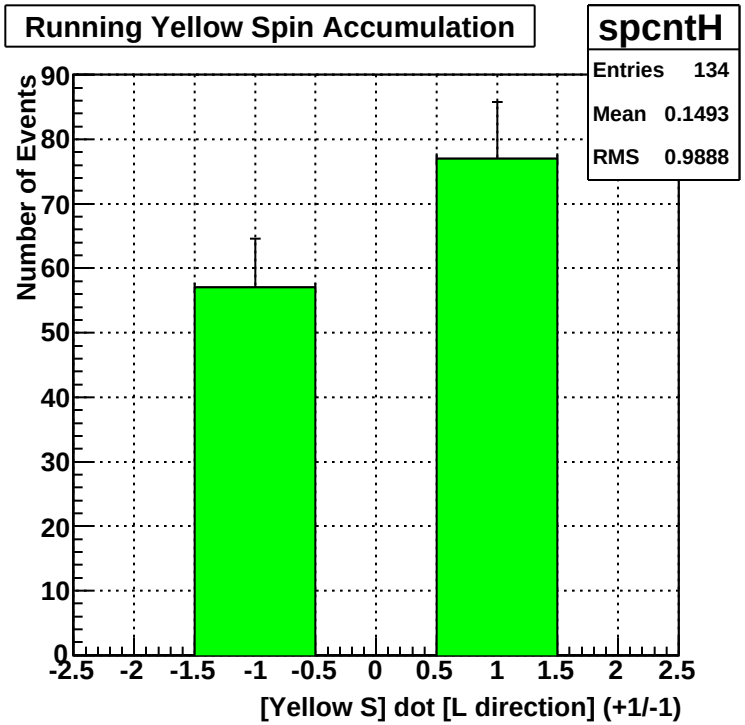
134) Rnum=7120019 EventN=606843 (3 Yu-N[+])

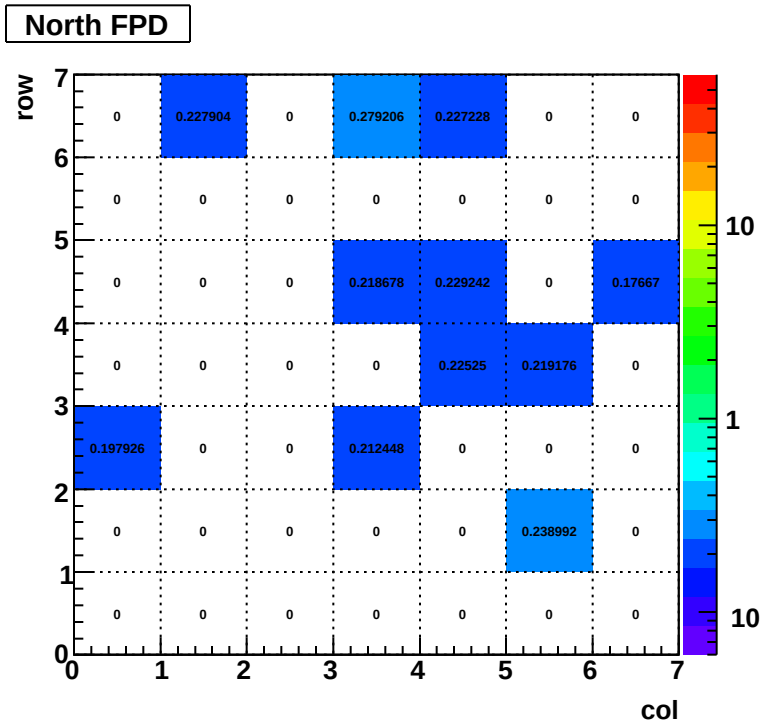
(1) Energy=28.950409 Y=-3.391845 Phi=0.083725

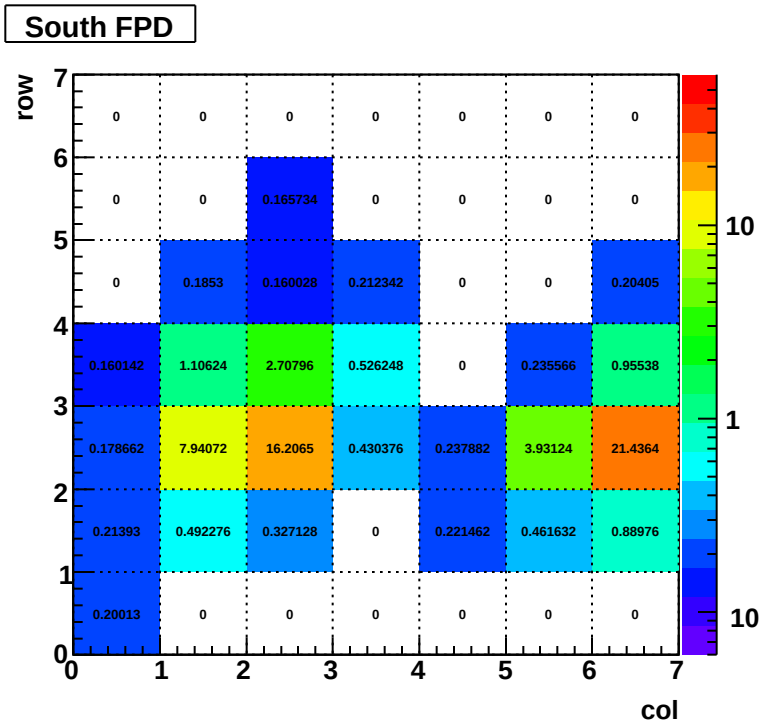
(2) Energy=31.212734 Y=-3.733804 Phi=0.089121

M12=0.585 Y12=-3.555 Phi12=0.086 E12=60.163

SumN(-) = 57 SumN(+)= 77 AN/.6=0.249







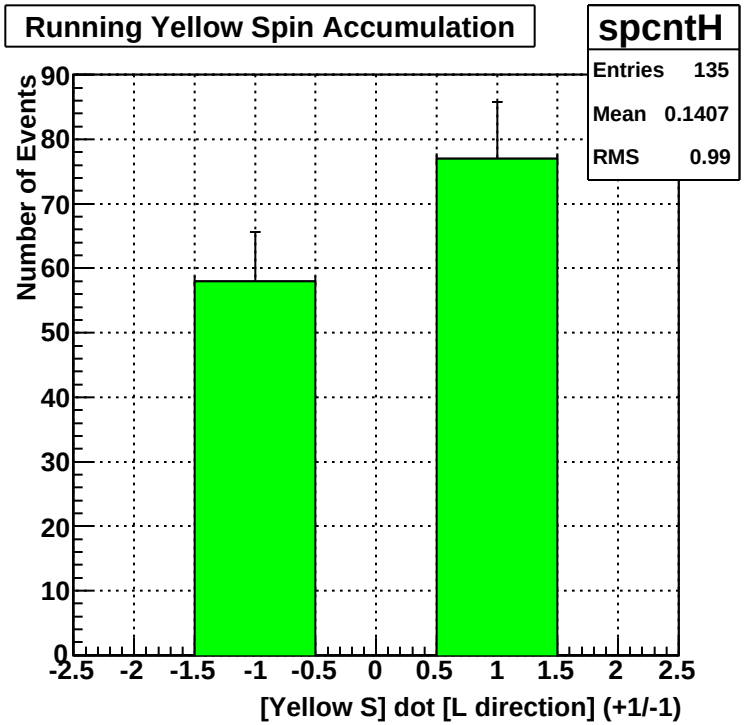
135) Rnum=7120023 EventN=204377 (3 Yu-S[-])

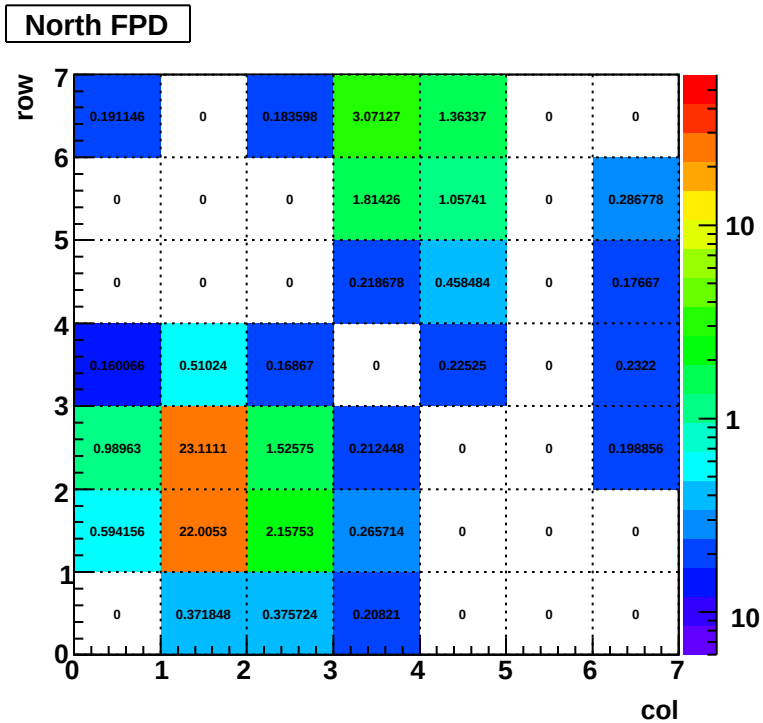
(1) Energy=54.243904 Y=-3.768517 Phi=2.972883

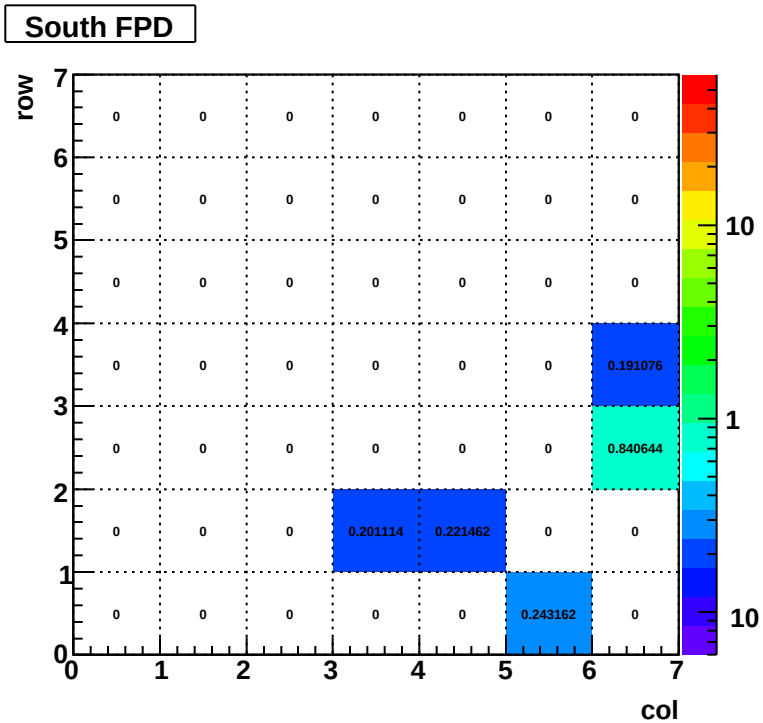
(2) Energy=7.850062 Y=-3.547657 Phi=-2.945396

M12=0.452 Y12=-3.746 Phi12=3.028 E12=62.094

SumN(-) = 58 SumN(+)= 77 AN/.6=0.235







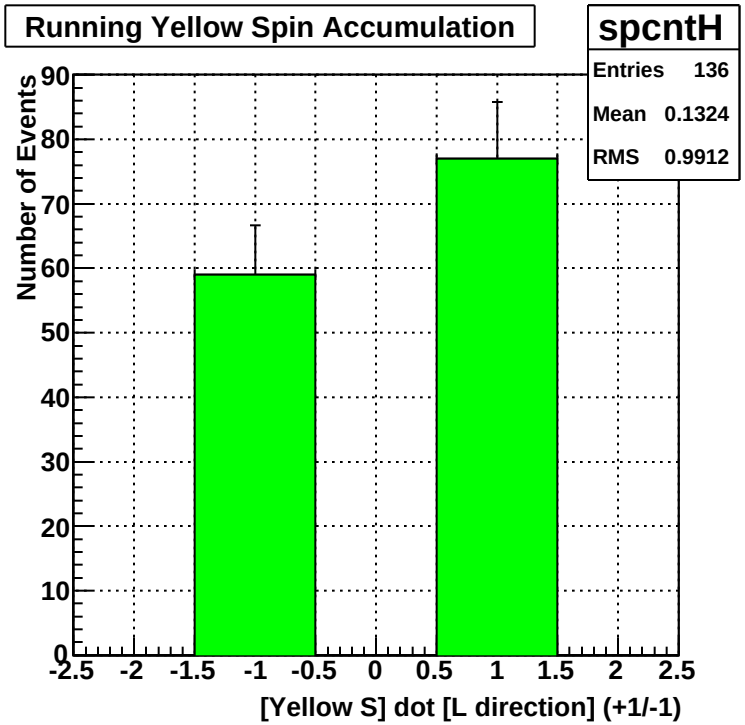
136) Rnum=7120024 EventN=600664 (3 Yu-S[-])

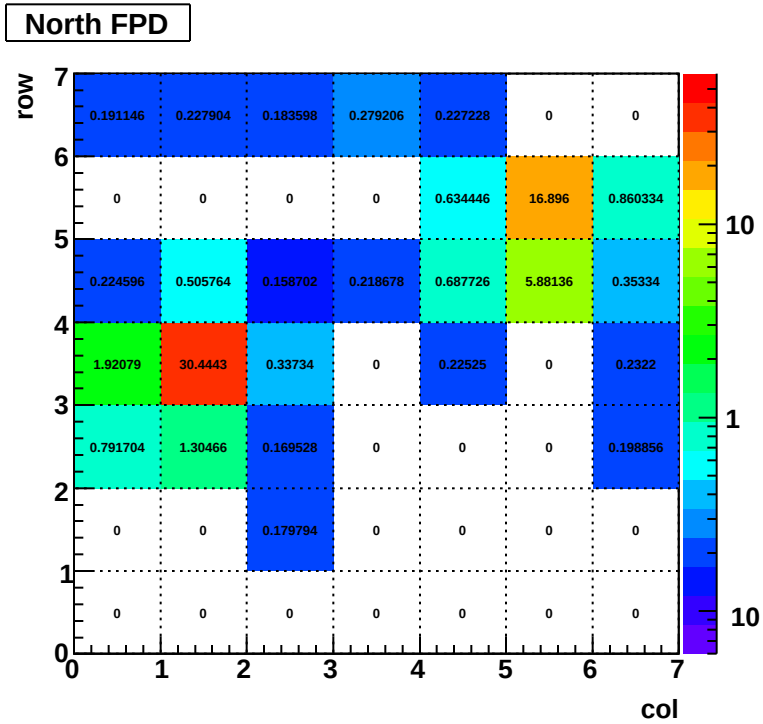
(1) Energy=38.447186 Y=-3.809456 Phi=3.117439

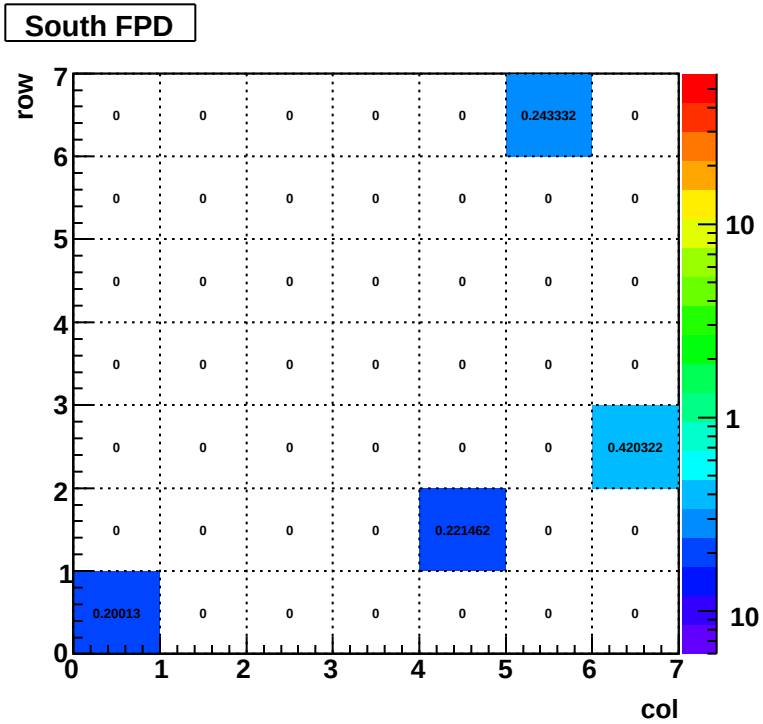
(2) Energy=24.682281 Y=-3.441737 Phi=-3.036090

M12=0.642 Y12=-3.651 Phi12=-3.103 E12=63.129

SumN(-) = 59 SumN(+)= 77 AN/.6=0.221







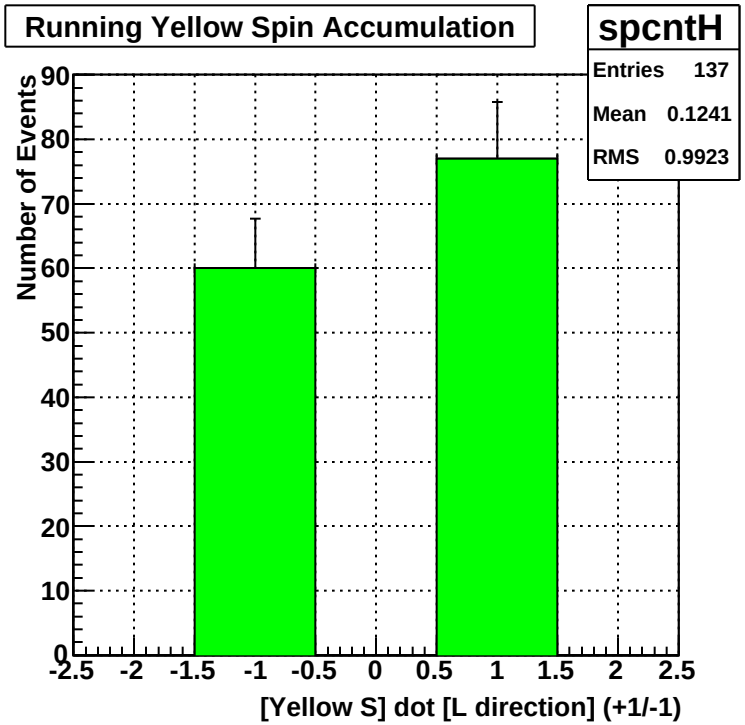
137) Rnum=7120026 EventN=1006658 (0 Yd-N[-])

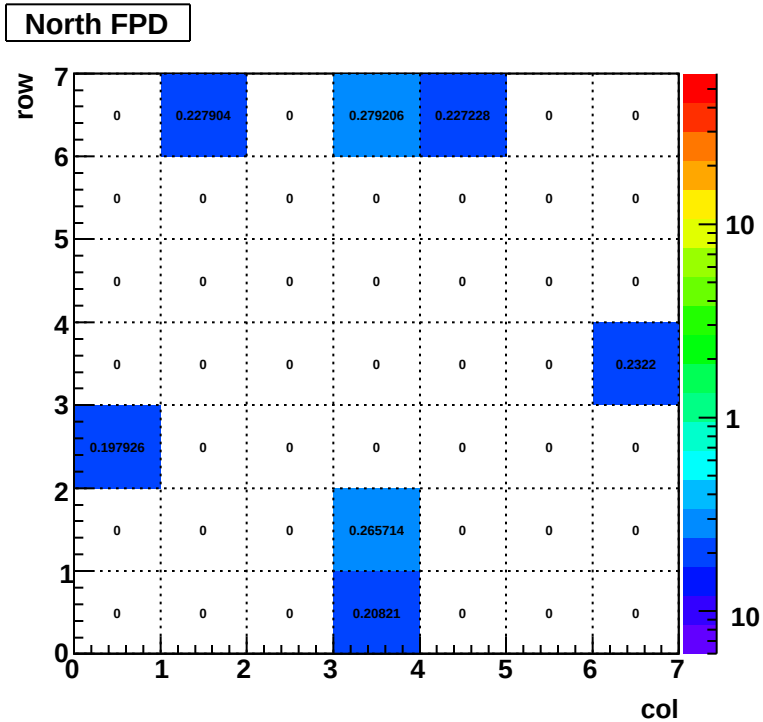
(1) Energy=47.864182 Y=-3.683152 Phi=0.193221

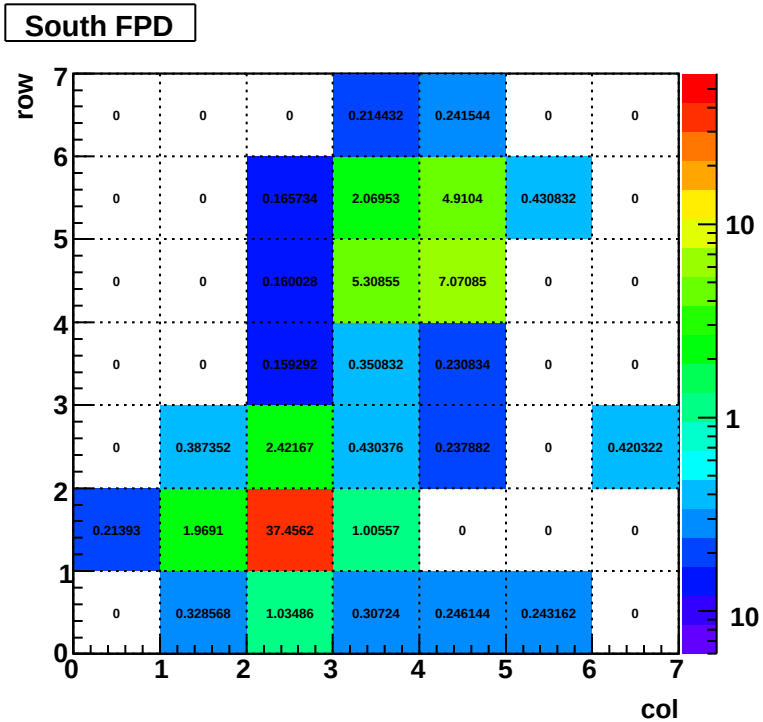
(2) Energy=20.055531 Y=-3.553778 Phi=-0.107511

M12=0.542 Y12=-3.653 Phi12=0.096 E12=67.920

SumN(-) = 60 SumN(+)= 77 AN/.6=0.207







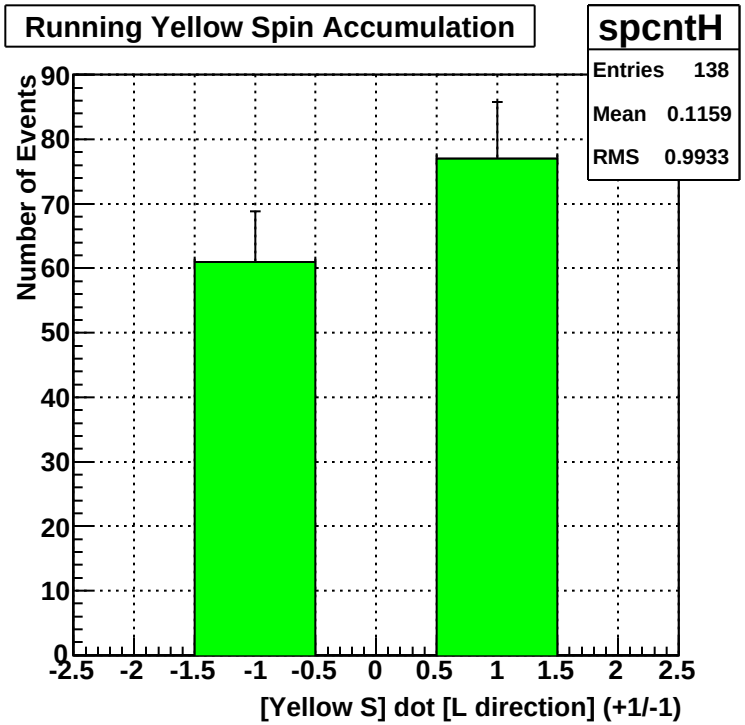
138) Rnum=7120034 EventN=803795 (3 Yu-S[-])

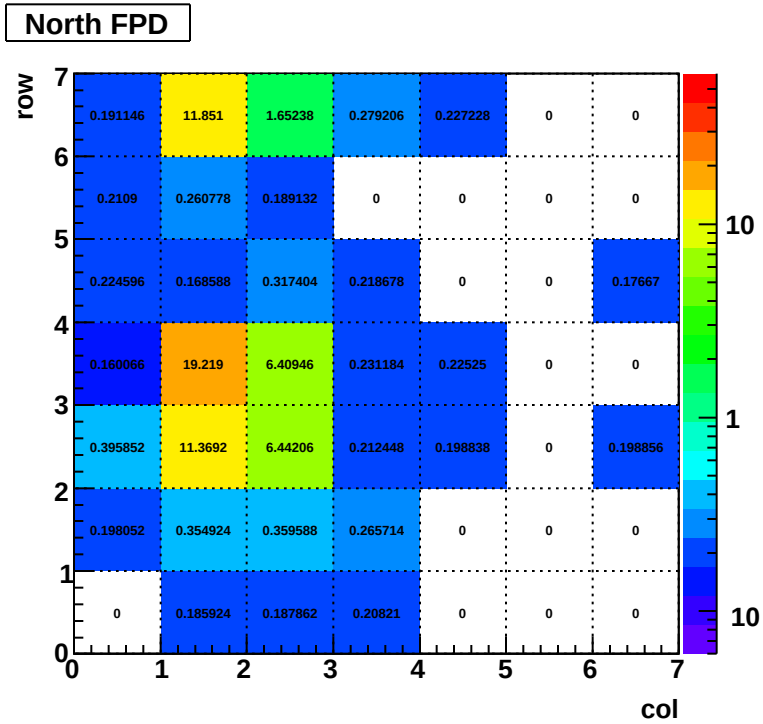
(1) Energy=46.636295 Y=-3.749870 Phi=3.079935

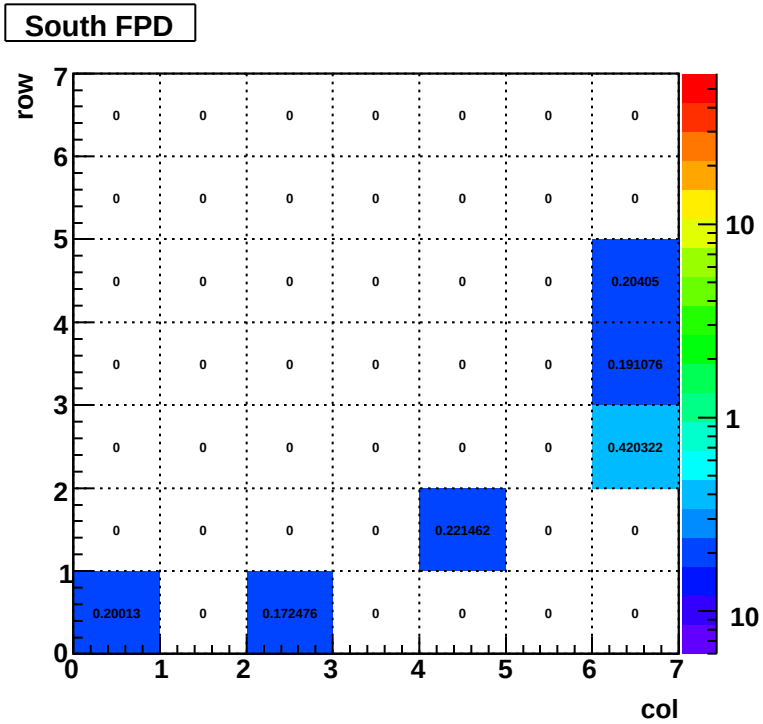
(2) Energy=16.551382 Y=-3.720500 Phi=-2.839661

M12=0.481 Y12=-3.755 Phi12=-3.107 E12=63.188

SumN(-) = 61 SumN(+)= 77 AN/.6=0.193







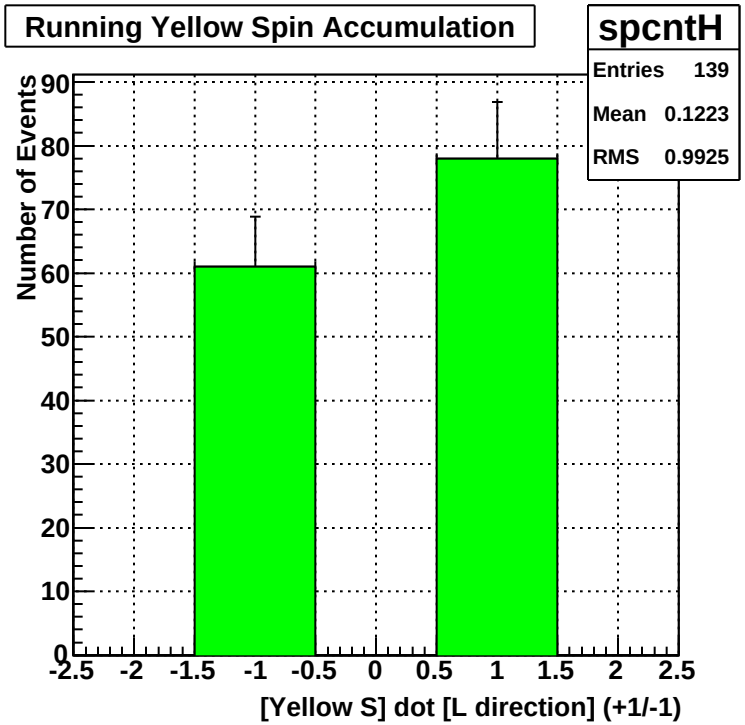
139) Rnum=7120049 EventN=5501291 (1 Yu-N[+])

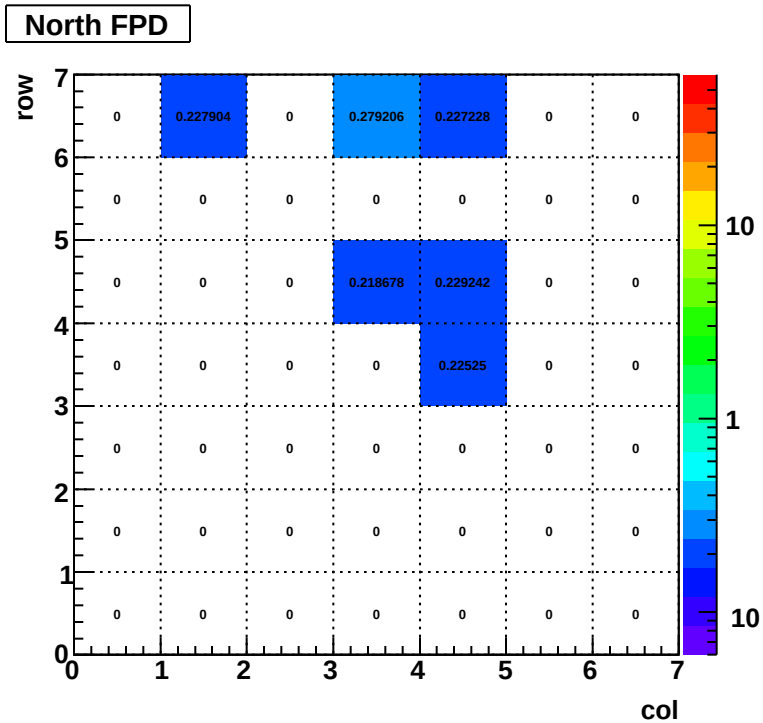
(1) Energy=50.955742 Y=-3.733288 Phi=-0.189549

(2) Energy=11.327768 Y=-3.494781 Phi=0.193464

M12=0.581 Y12=-3.698 Phi12=-0.106 E12=62.284

SumN(-) = 61 SumN(+)= 78 AN/.6=0.204




North FPD
row
col
0
0.227904
0
0.279206
0.227228
0
0
0

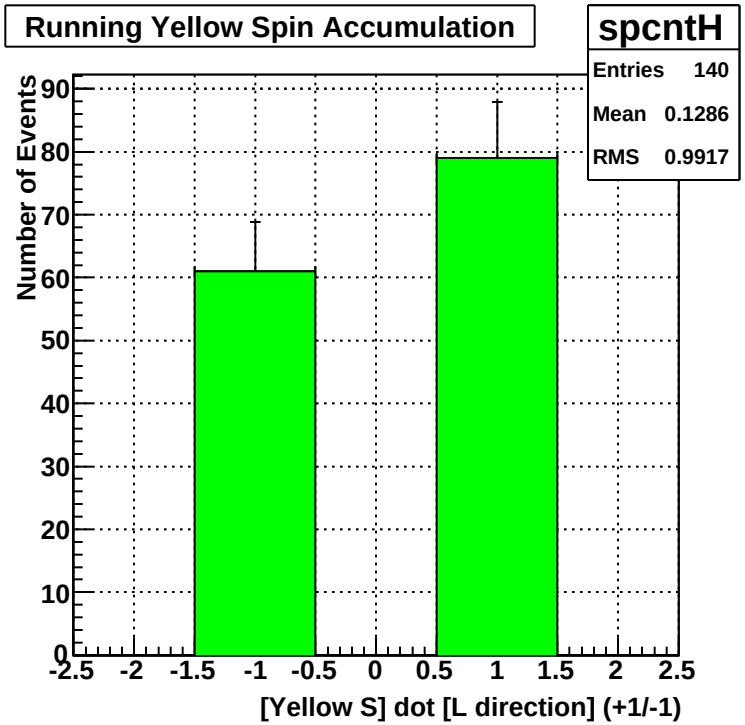
140) Rnum=7120054 EventN=507818 (3 Yu-N[+])

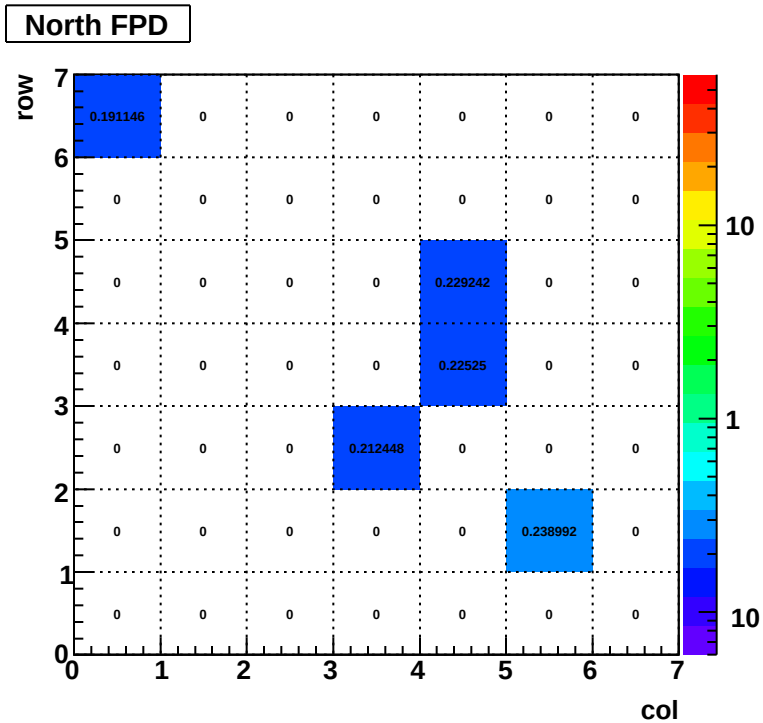
(1) Energy=51.503666 Y=-3.776361 Phi=0.045114

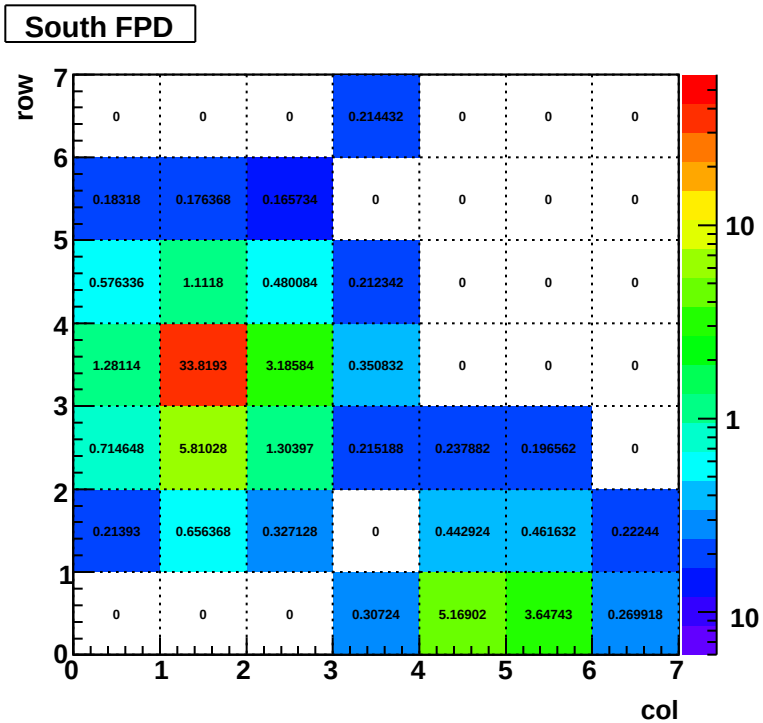
(2) Energy=11.412314 Y=-3.459210 Phi=0.227783

M12=0.477 Y12=-3.714 Phi12=0.088 E12=62.916

SumN(-) = 61 SumN(+)= 79 AN/.6=0.214







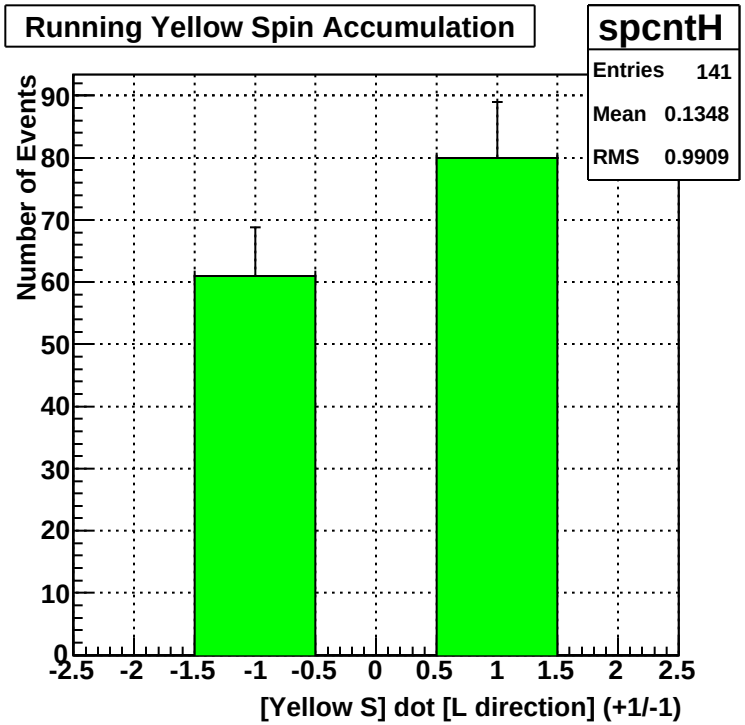
141) Rnum=7120082 EventN=3302415 (1 Yu-N[+])

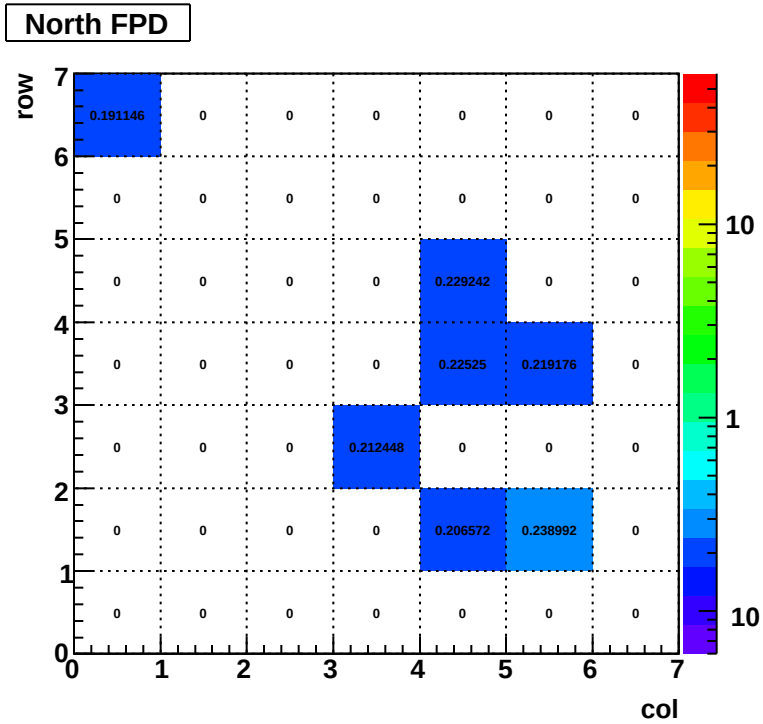
(1) Energy=41.762821 Y=-3.773654 Phi=-0.184437

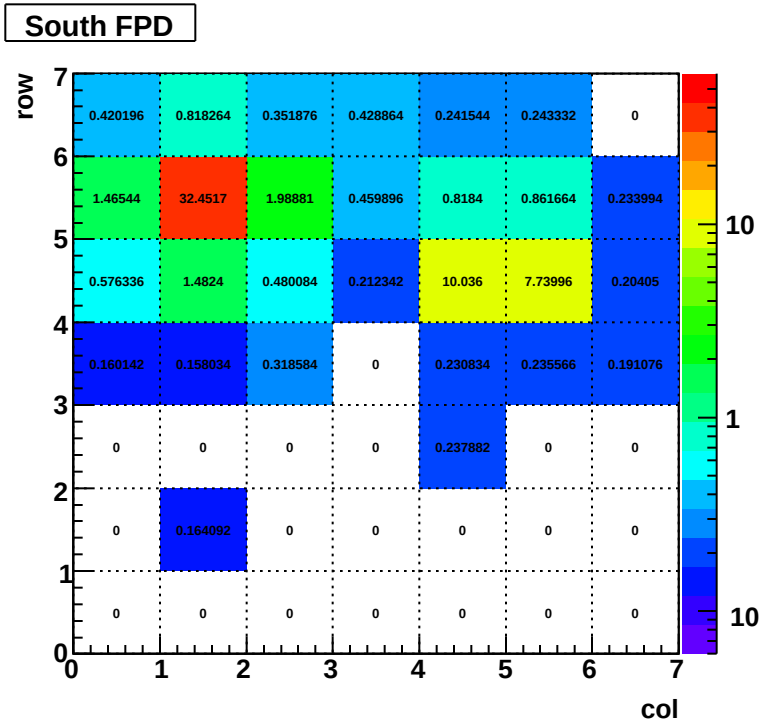
(2) Energy=20.787724 Y=-3.481323 Phi=-0.077092

M12=0.489 Y12=-3.668 Phi12=-0.142 E12=62.551

SumN(-) = 61 SumN(+)= 80 AN/.6=0.225







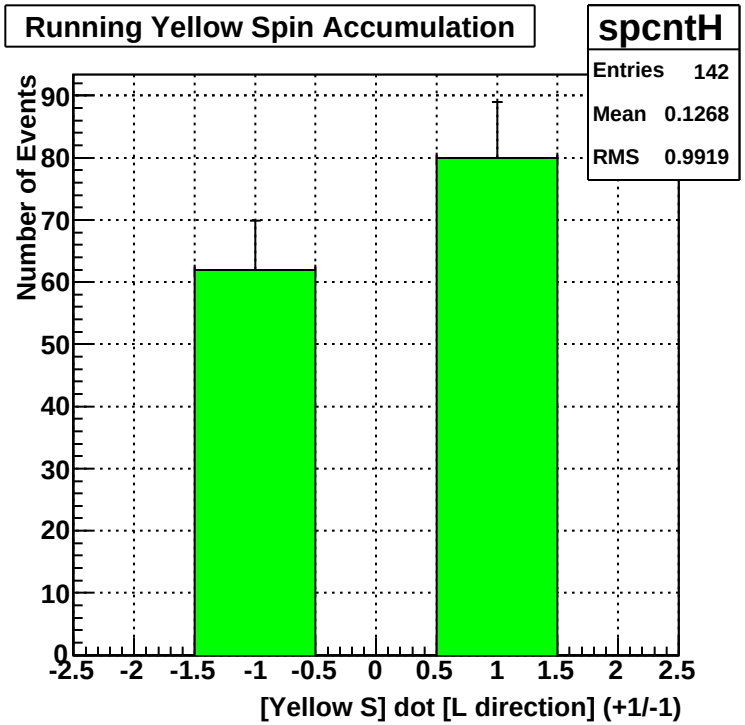
142) Rnum=7120082 EventN=704061 (0 Yd-N[-])

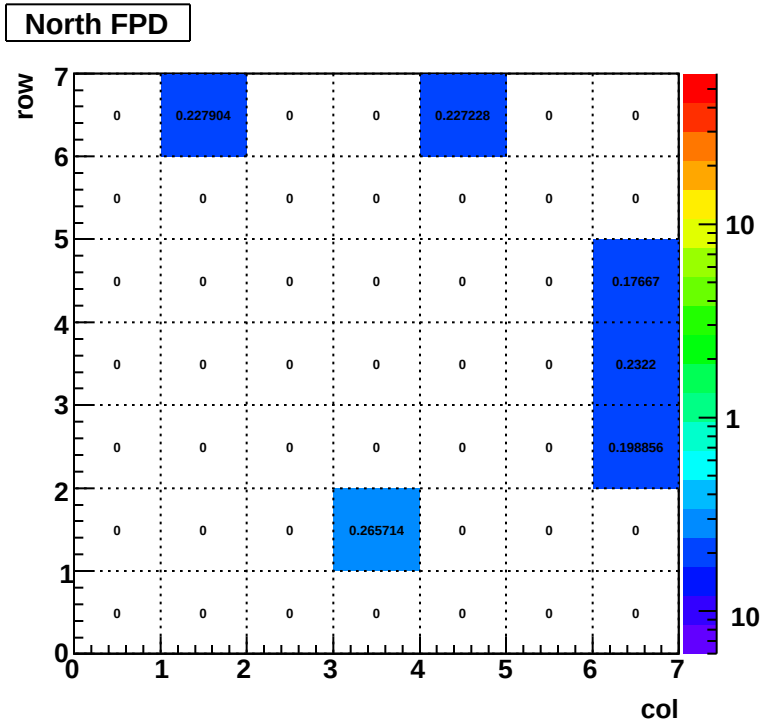
(1) Energy=47.733269 Y=-3.652251 Phi=-0.094956

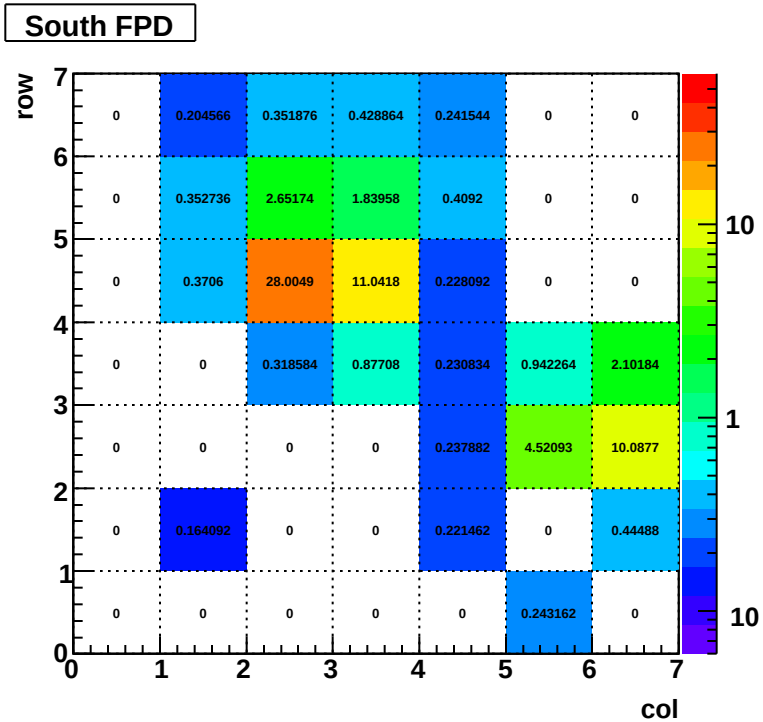
(2) Energy=18.698545 Y=-3.402525 Phi=0.060097

M12=0.517 Y12=-3.578 Phi12=-0.043 E12=66.432

SumN(-) = 62 SumN(+)= 80 AN/.6=0.211







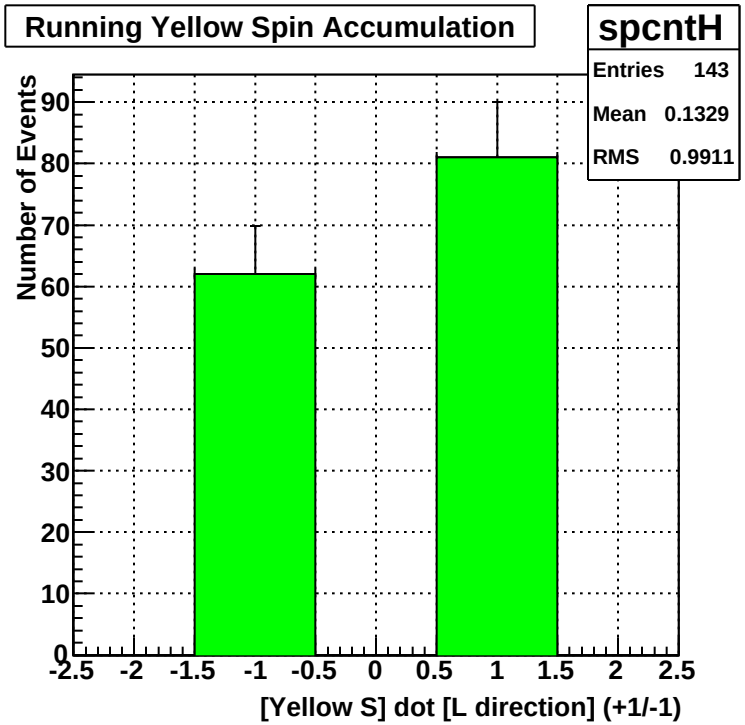
143) Rnum=7120113 EventN=3301563 (0 Yd-S[+])

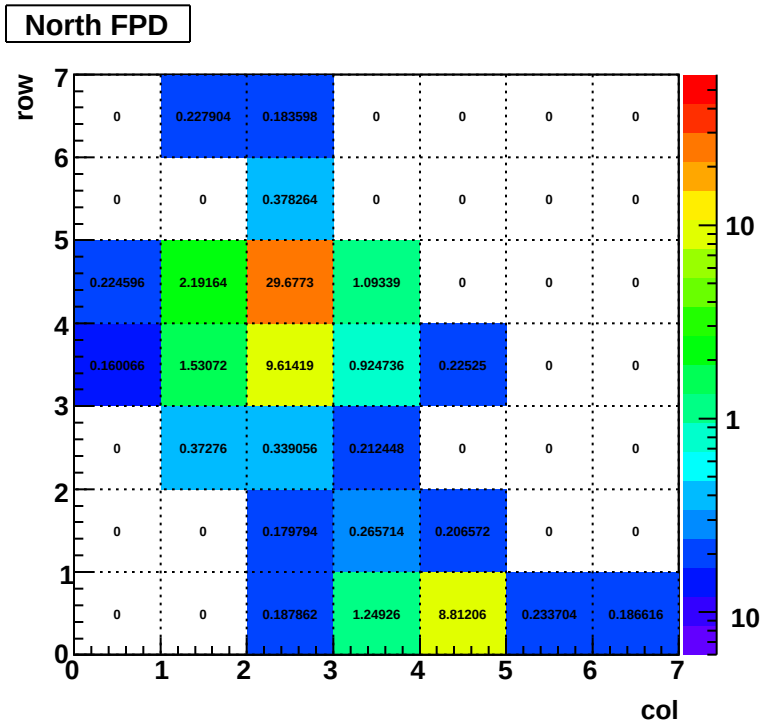
(1) Energy=50.194107 Y=-3.703917 Phi=-3.096934

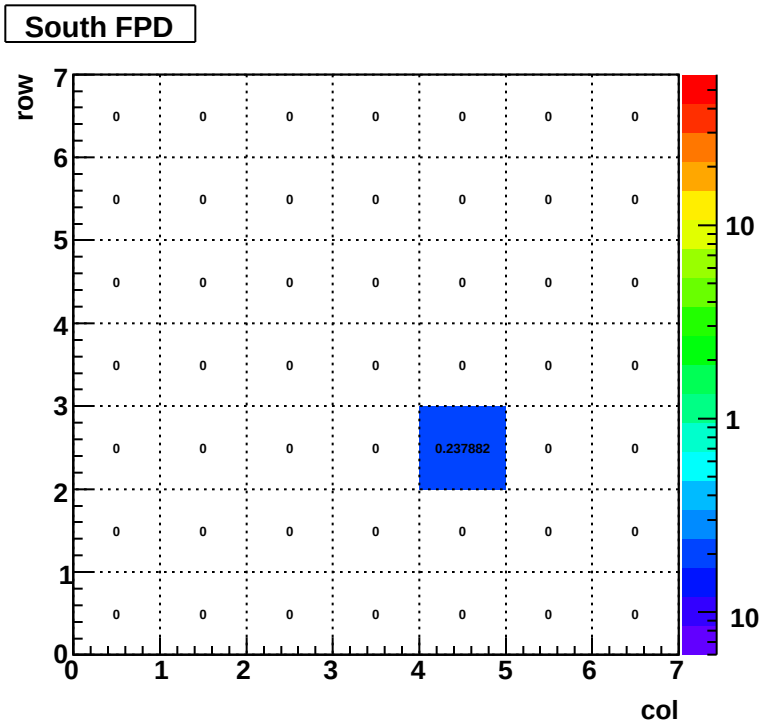
(2) Energy=12.621636 Y=-3.507079 Phi=2.875703

M12=0.502 Y12=-3.670 Phi12=3.114 E12=62.816

SumN(-) = 62 SumN(+)= 81 AN/.6=0.221







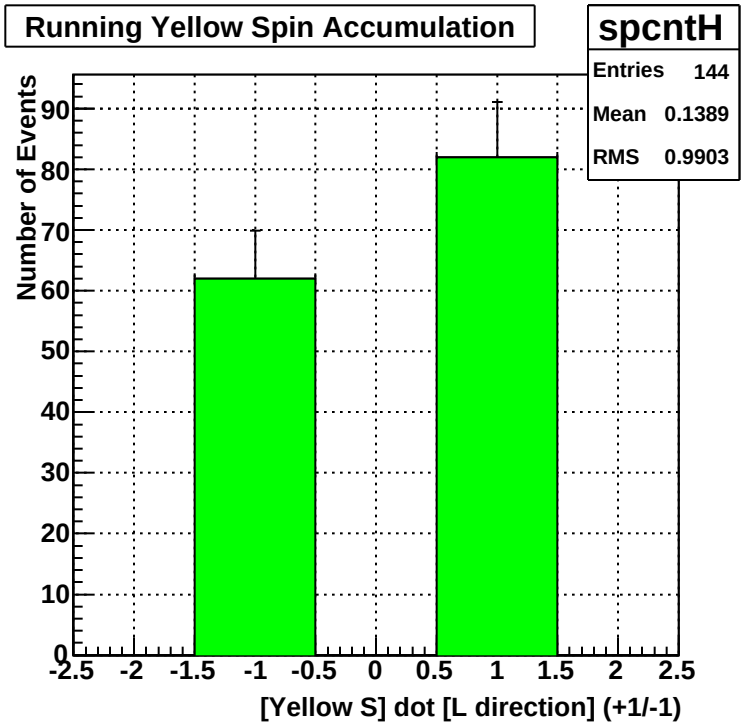
144) Rnum=7120121 EventN=3607825 (3 Yu-N[+])

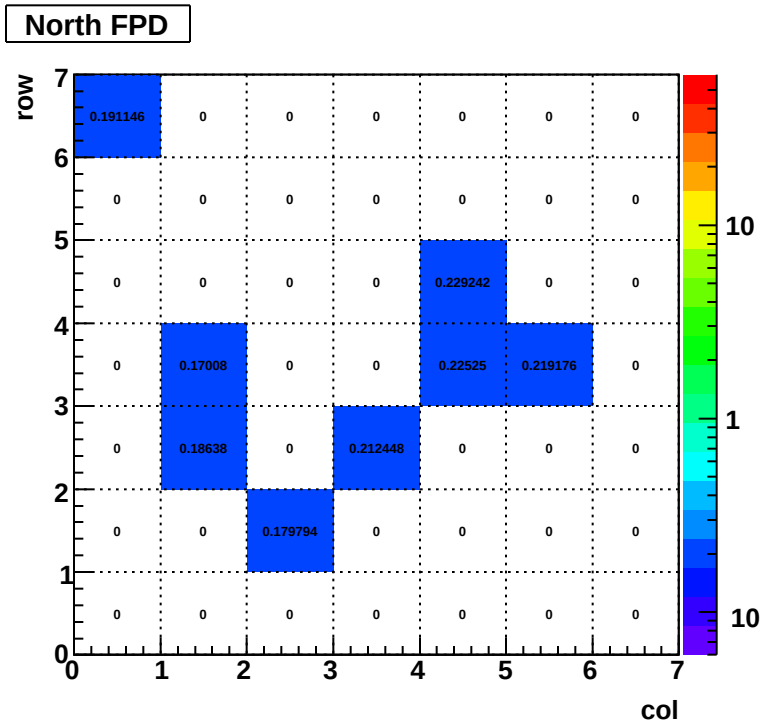
(1) Energy=49.442616 Y=-3.855240 Phi=0.020343

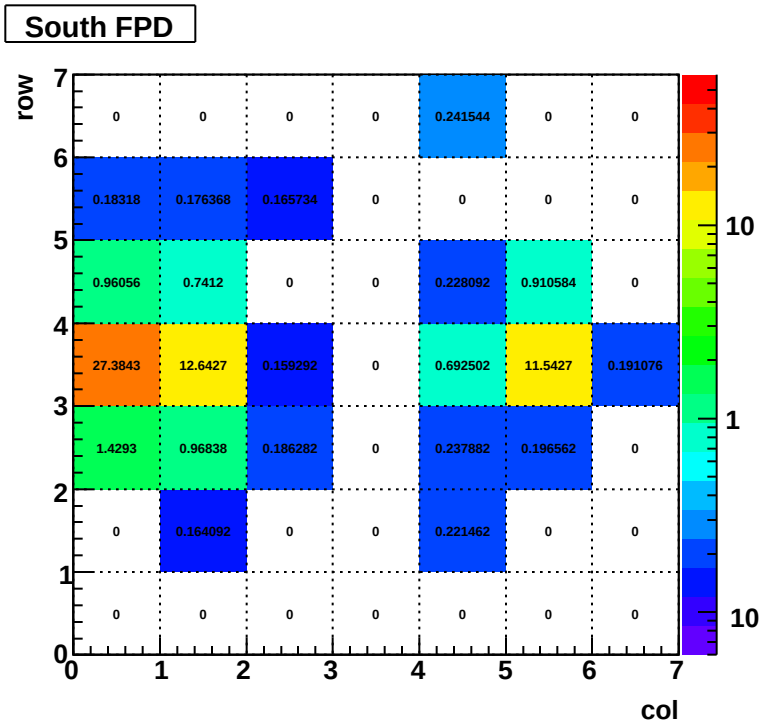
(2) Energy=14.415638 Y=-3.453044 Phi=-0.000421

M12=0.560 Y12=-3.749 Phi12=0.014 E12=63.858

SumN(-) = 62 SumN(+)= 82 AN/.6=0.231







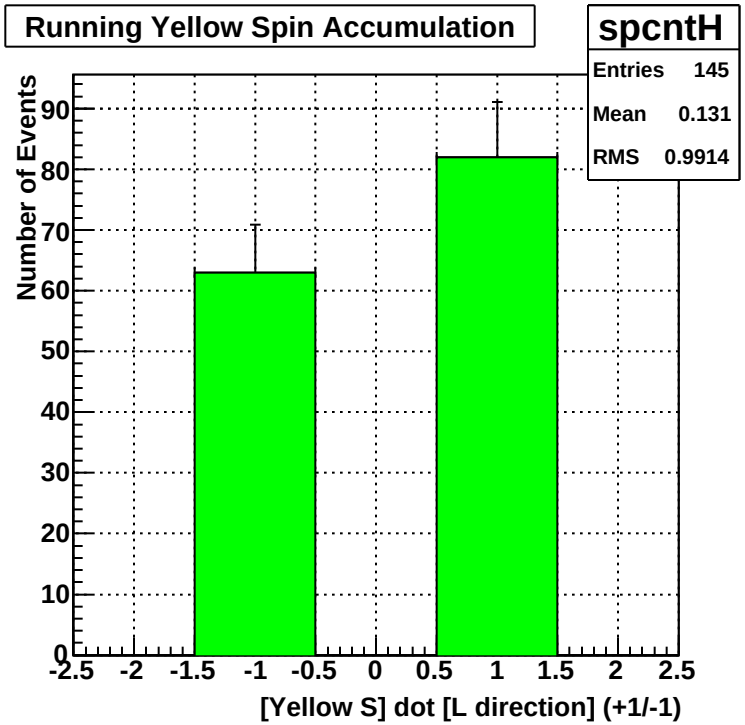
145) Rnum=7120121 EventN=1305561 (1 Yu-S[-])

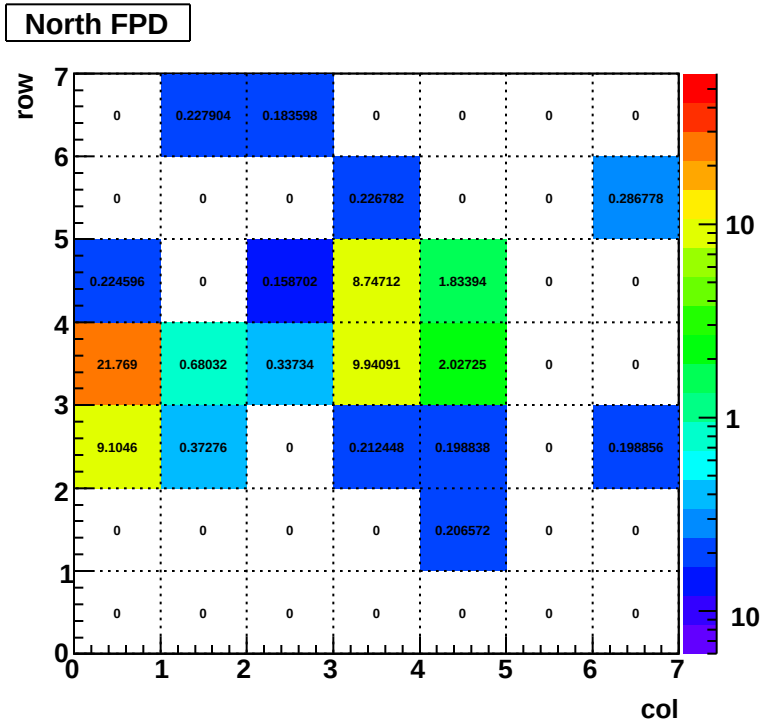
(1) Energy=38.178677 Y=-3.921574 Phi=3.074251

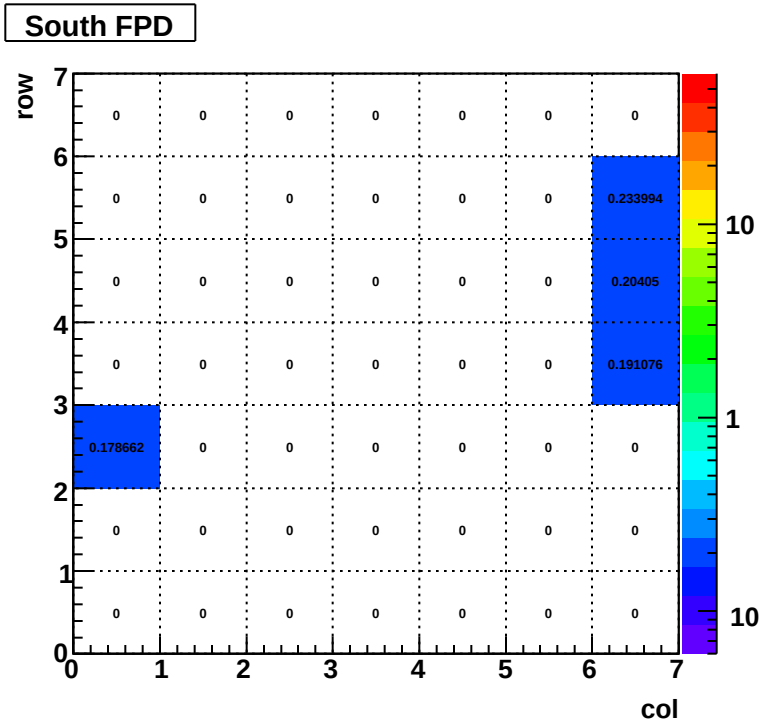
(2) Energy=23.708767 Y=-3.579592 Phi=-3.112748

M12=0.504 Y12=-3.778 Phi12=3.119 E12=61.887

SumN(-) = 63 SumN(+)= 82 AN/.6=0.218







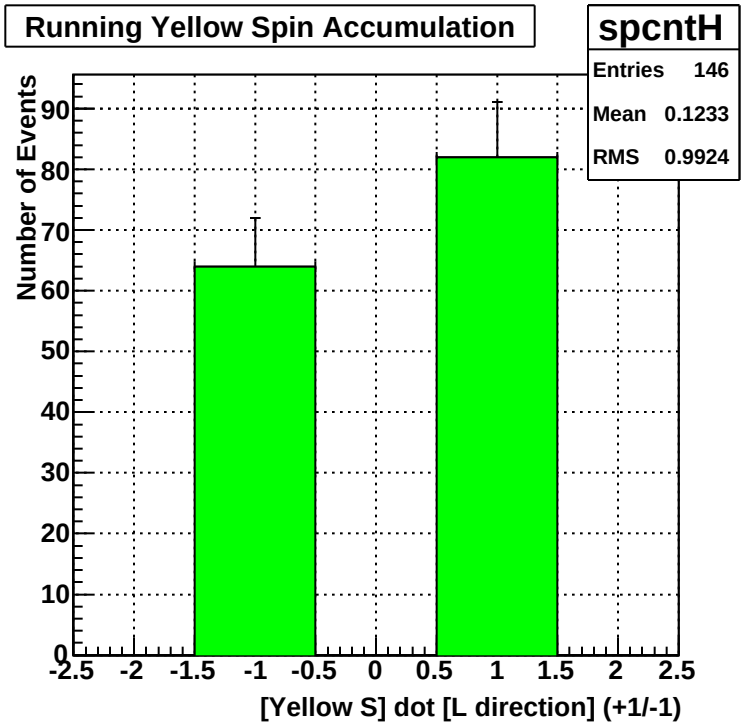
146) Rnum=7120124 EventN=1106912 (2 Yd-N[-])

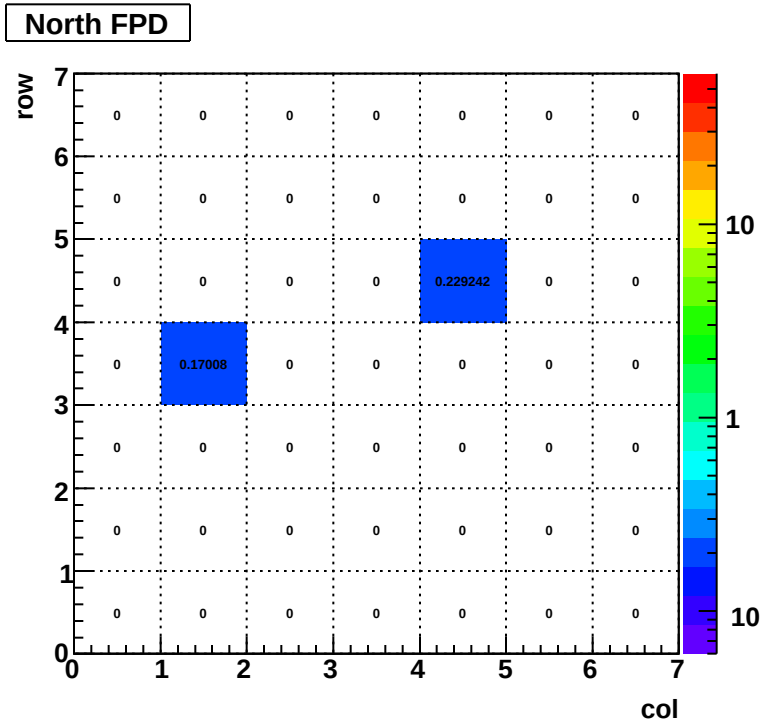
(1) Energy=47.736599 Y=-3.506705 Phi=-0.024277

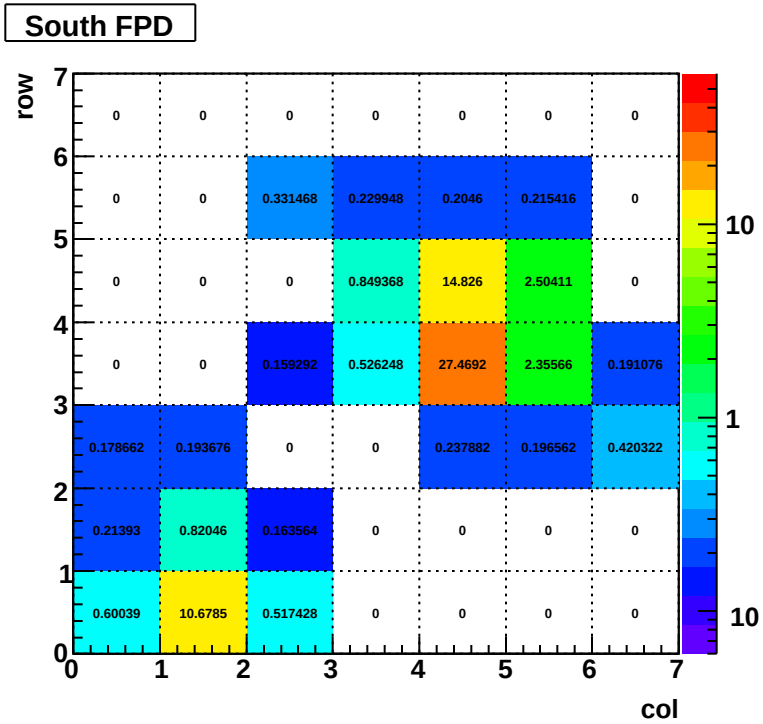
(2) Energy=14.693554 Y=-3.749643 Phi=0.306956

M12=0.576 Y12=-3.567 Phi12=0.040 E12=62.430

SumN(-) = 64 SumN(+)= 82 AN/.6=0.205







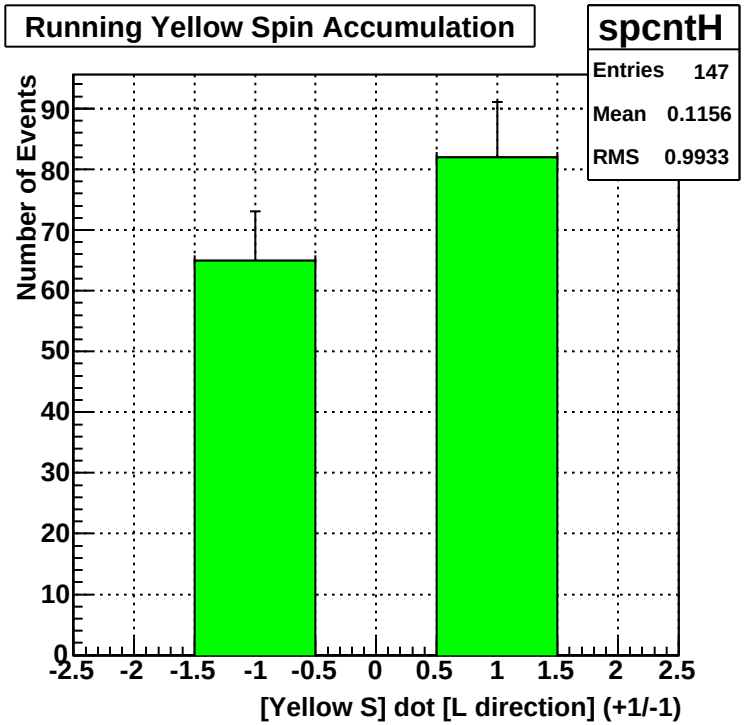
147) Rnum=7121008 EventN=308993 (0 Yd-N[-])

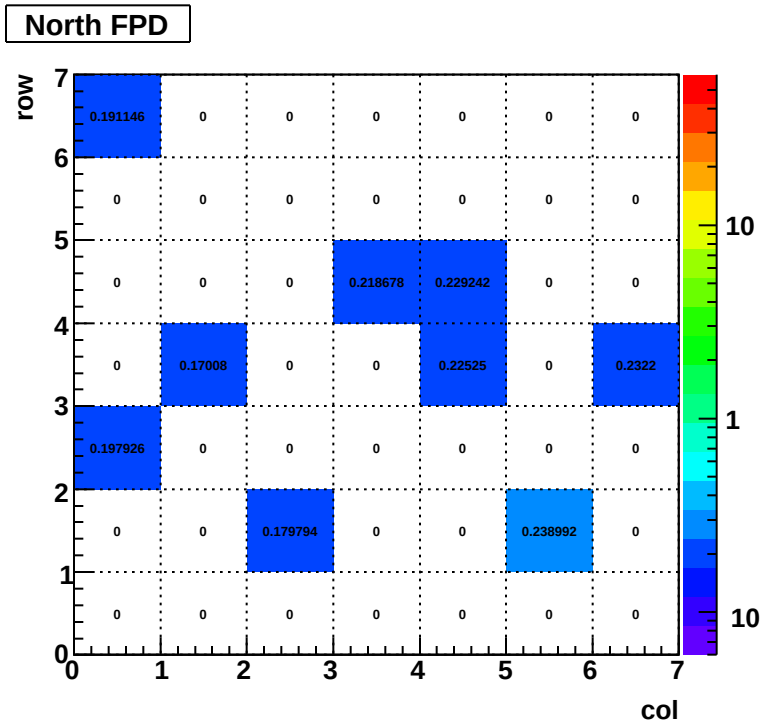
(1) Energy=35.191090 Y=-3.769234 Phi=-0.088122

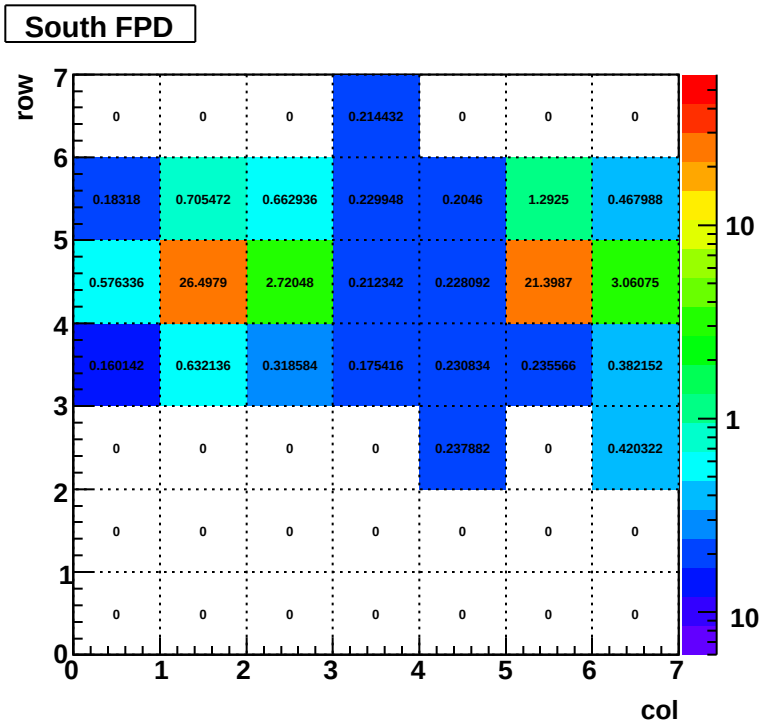
(2) Energy=28.630821 Y=-3.422766 Phi=-0.070012

M12=0.607 Y12=-3.599 Phi12=-0.078 E12=63.822

SumN(-) = 65 SumN(+)= 82 AN/.6=0.193







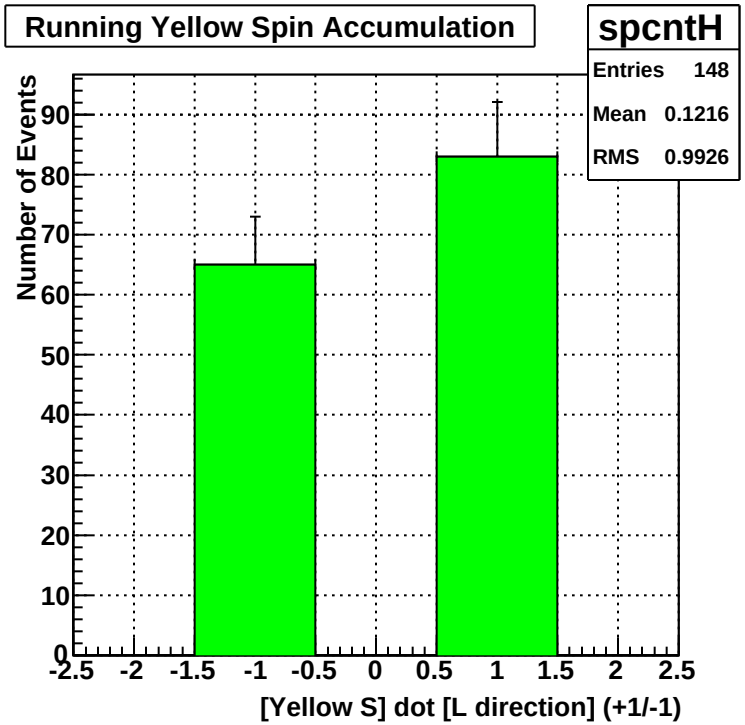
148) Rnum=7121016 EventN=1607861 (0 Yd-S[+])

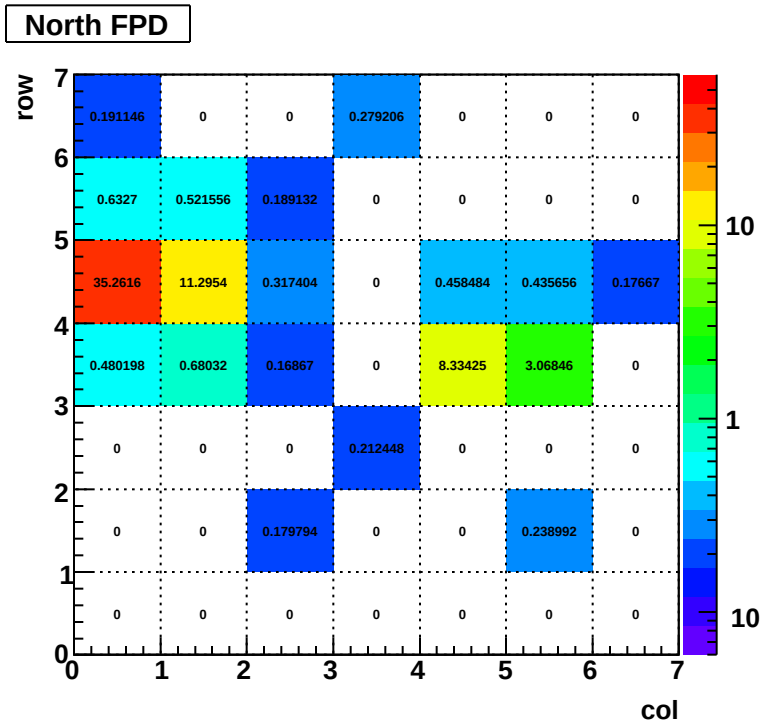
(1) Energy=51.521008 Y=-3.855293 Phi=-3.046148

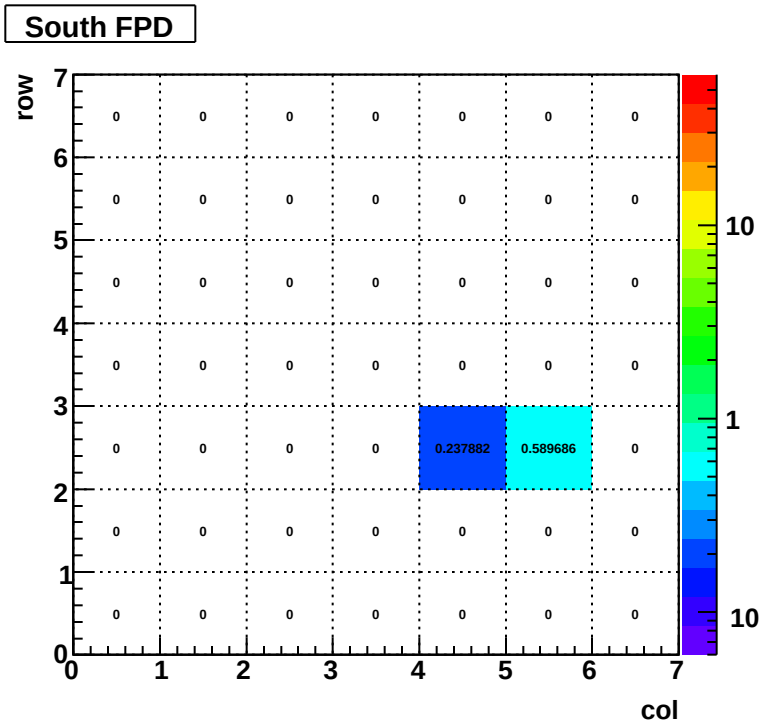
(2) Energy=13.300440 Y=-3.489546 Phi=3.126868

M12=0.510 Y12=-3.770 Phi12=-3.076 E12=64.821

SumN(-) = 65 SumN(+)= 83 AN/.6=0.203







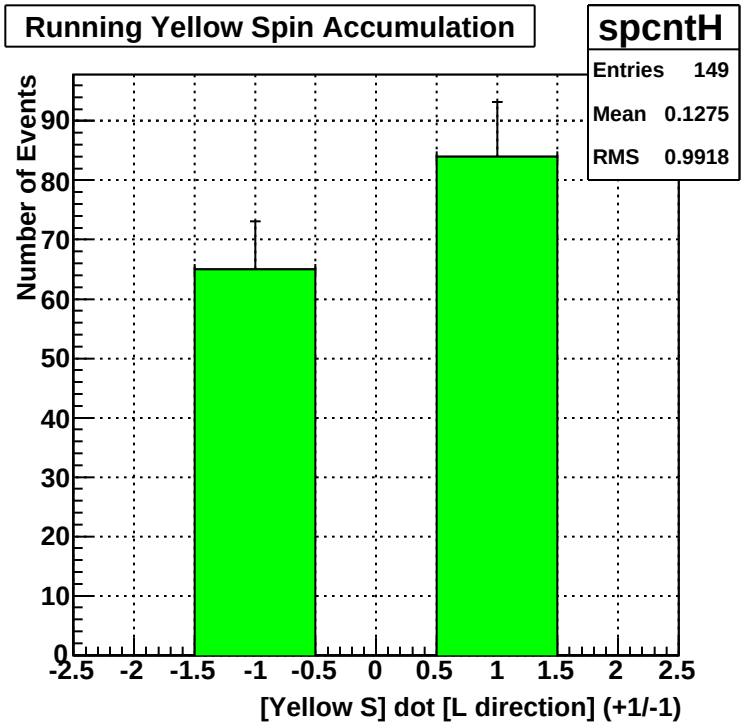
149) Rnum=7121021 EventN=5808895 (3 Yu-N[+])

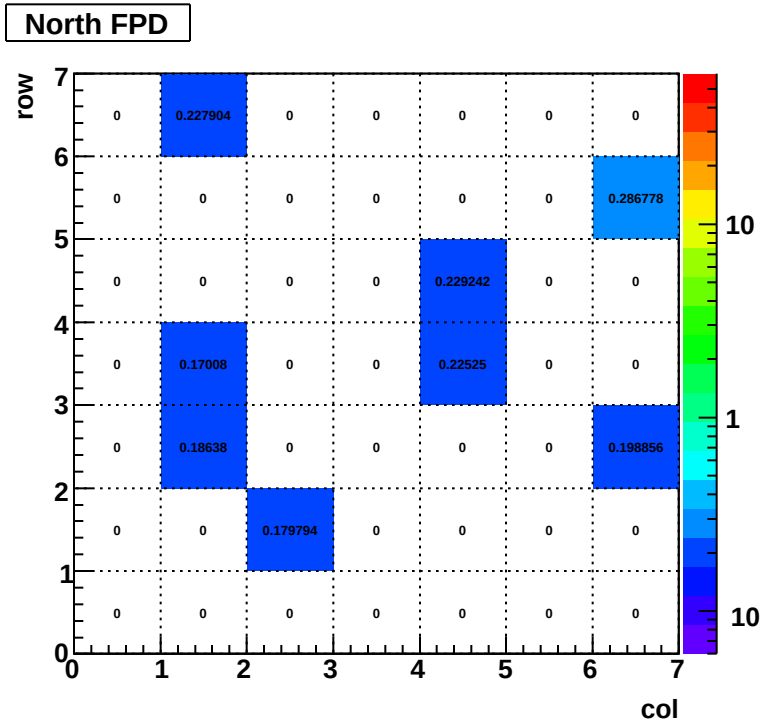
(1) Energy=42.161354 Y=-3.647589 Phi=0.030977

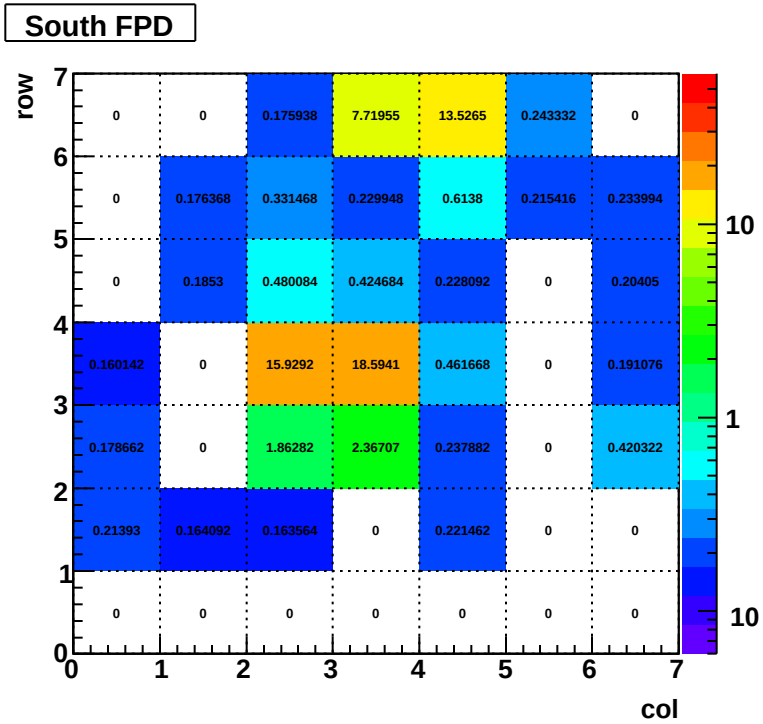
(2) Energy=25.024429 Y=-3.528916 Phi=-0.243180

M12=0.535 Y12=-3.611 Phi12=-0.079 E12=67.186

SumN(-) = 65 SumN(+)= 84 AN/.6=0.213







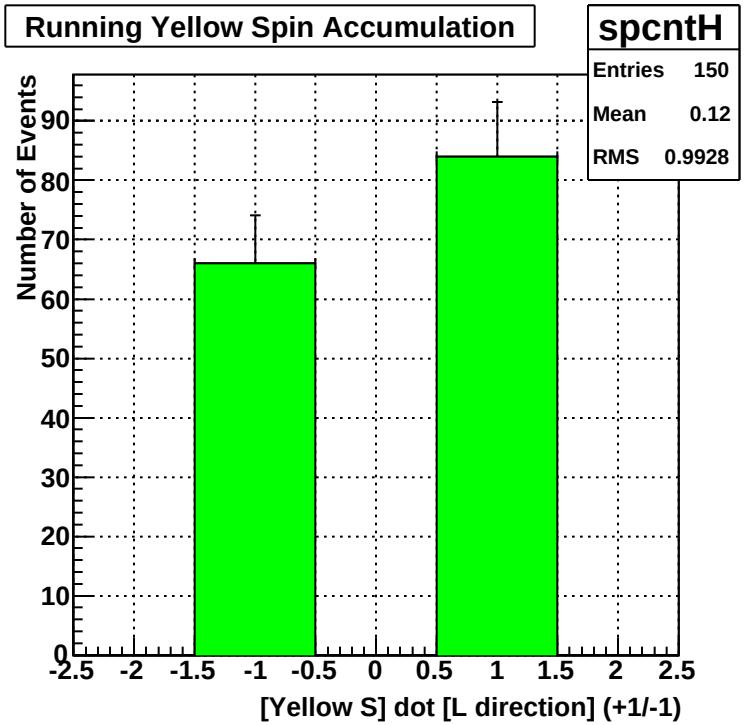
150) Rnum=7121021 EventN=707573 (0 Yd-N[-])

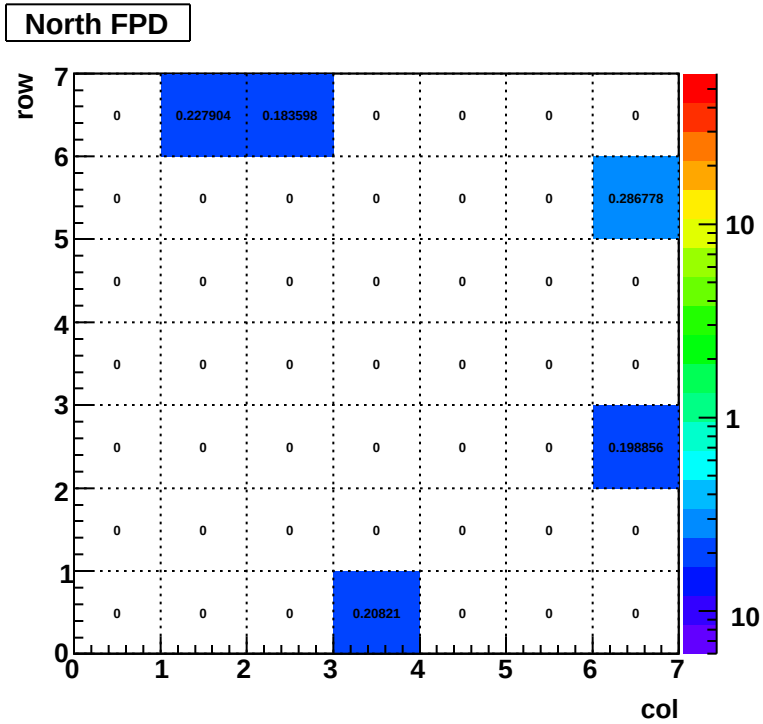
(1) Energy=43.791798 Y=-3.637375 Phi=-0.125755

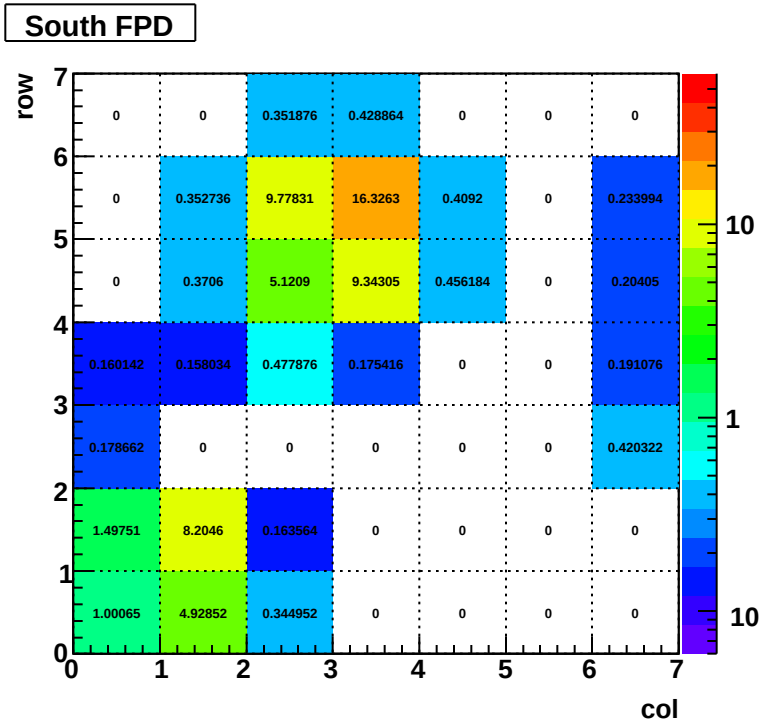
(2) Energy=17.621172 Y=-3.786336 Phi=0.274564

M12=0.576 Y12=-3.693 Phi12=-0.024 E12=61.413

SumN(-) = 66 SumN(+)= 84 AN/.6=0.200







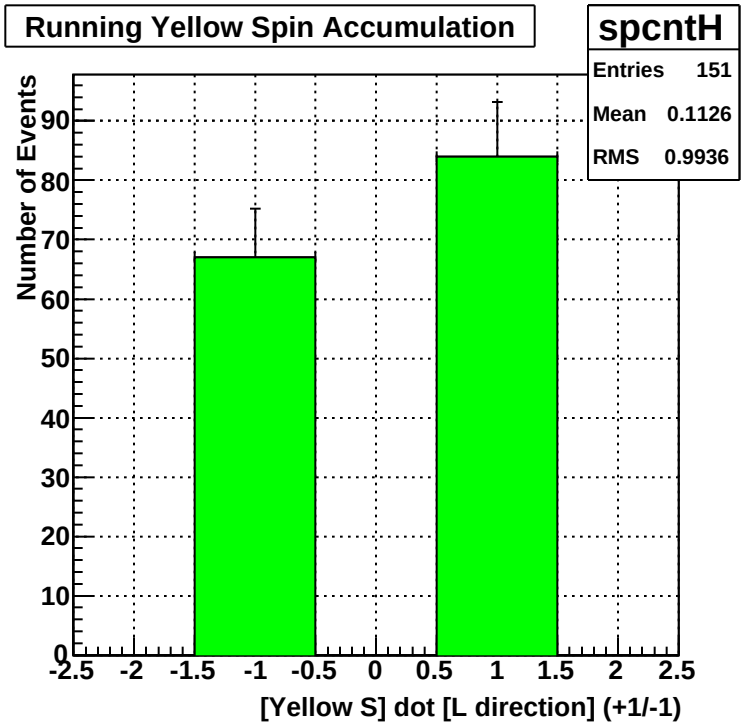
151) Rnum=7121041 EventN=1604216 (2 Yd-N[-])

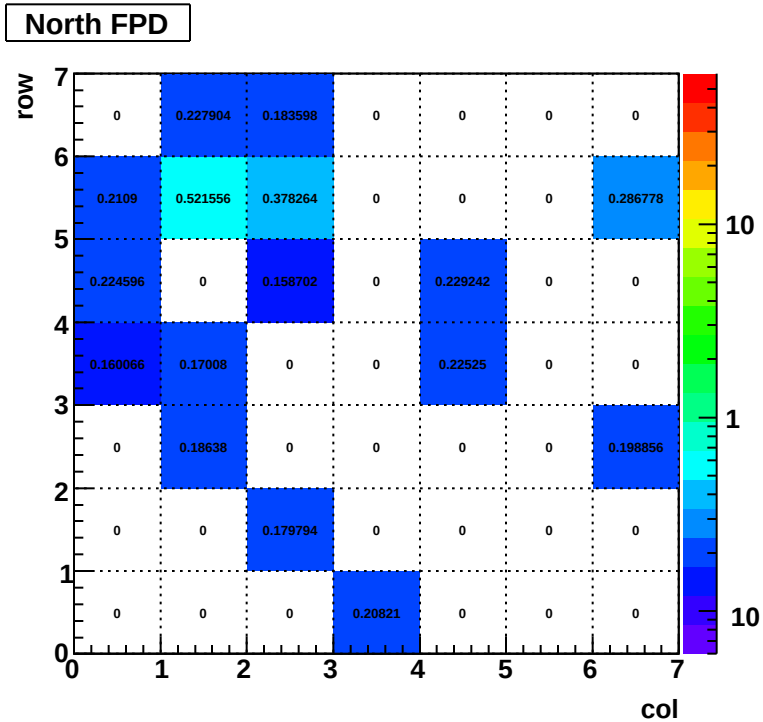
(1) Energy=33.508476 Y=-3.653647 Phi=-0.272300

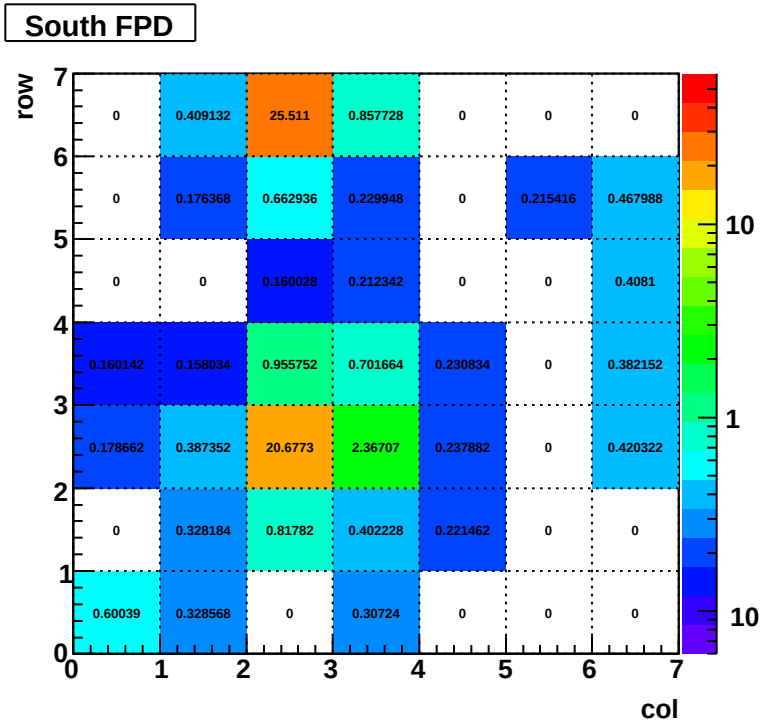
(2) Energy=27.927092 Y=-3.670205 Phi=0.102887

M12=0.586 Y12=-3.679 Phi12=-0.104 E12=61.436

SumN(-) = 67 SumN(+)= 84 AN/.6=0.188







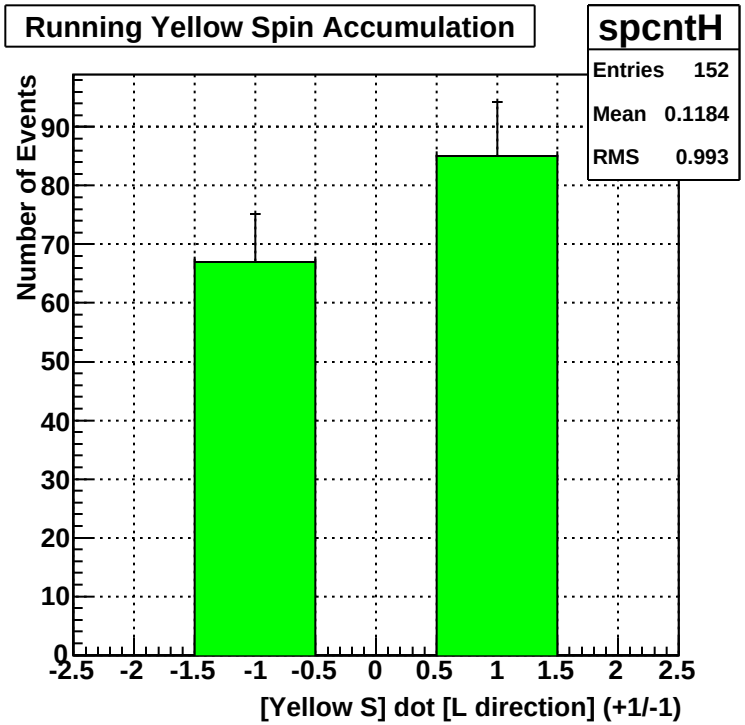
152) Rnum=7121118 EventN=507959 (0 Yd-S[+])

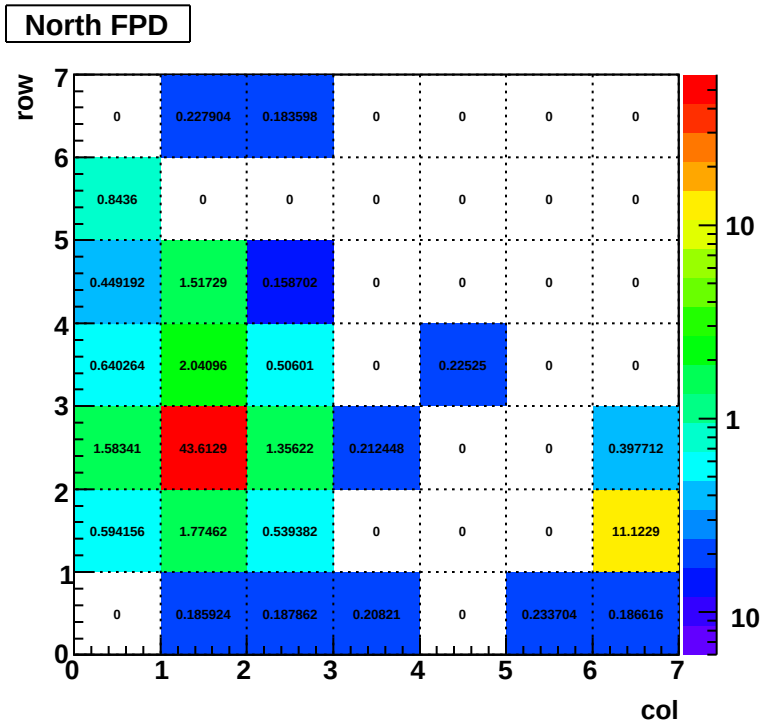
(1) Energy=55.104053 Y=-3.789114 Phi=3.023520

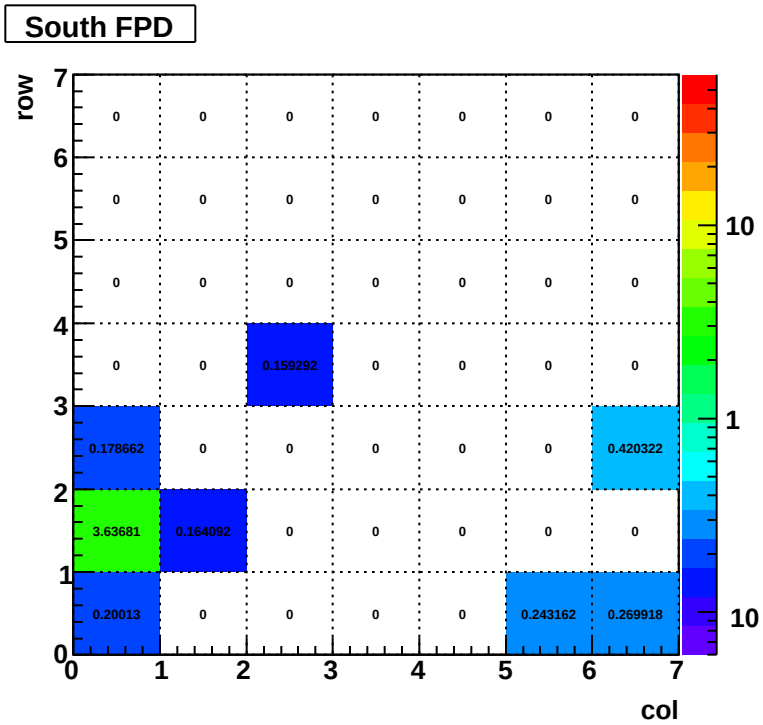
(2) Energy=9.928152 Y=-3.370180 Phi=3.000075

M12=0.551 Y12=-3.713 Phi12=3.018 E12=65.032

SumN(-) = 67 SumN(+)= 85 AN/.6=0.197







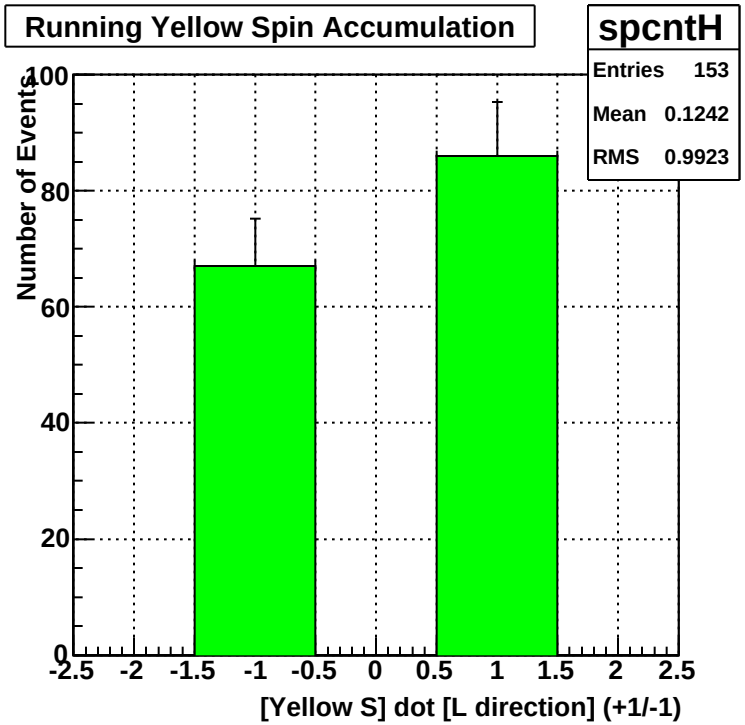
153) Rnum=7121118 EventN=906365 (1 Yu-N[+])

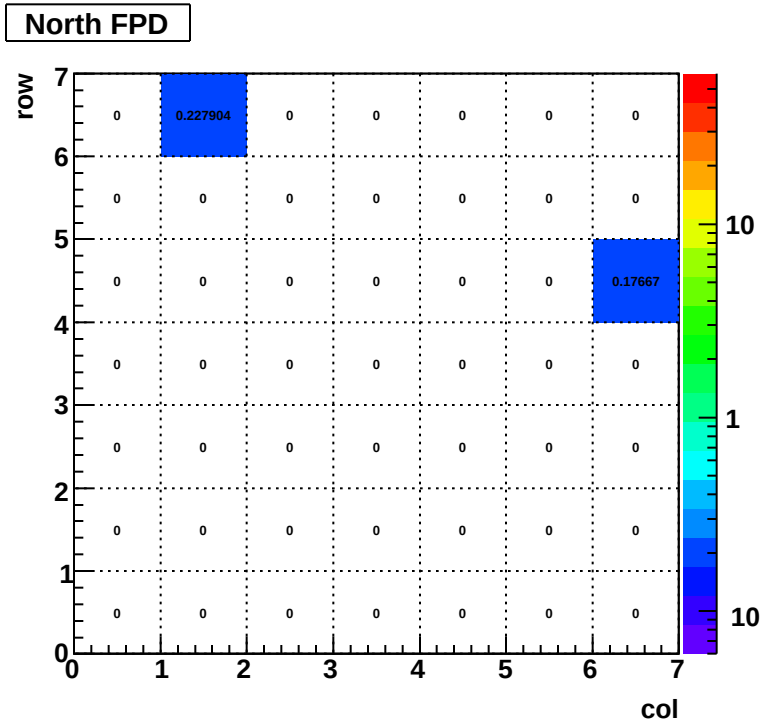
(1) Energy=36.508095 Y=-3.595343 Phi=-0.030758

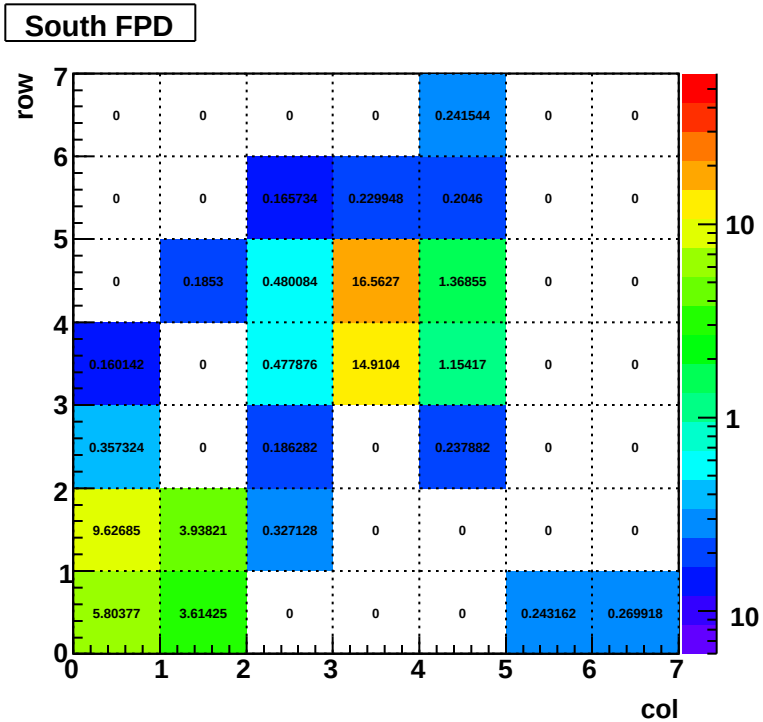
(2) Energy=25.556812 Y=-3.814721 Phi=0.283309

M12=0.574 Y12=-3.691 Phi12=0.082 E12=62.065

SumN(-) = 67 SumN(+)= 86 AN/.6=0.207







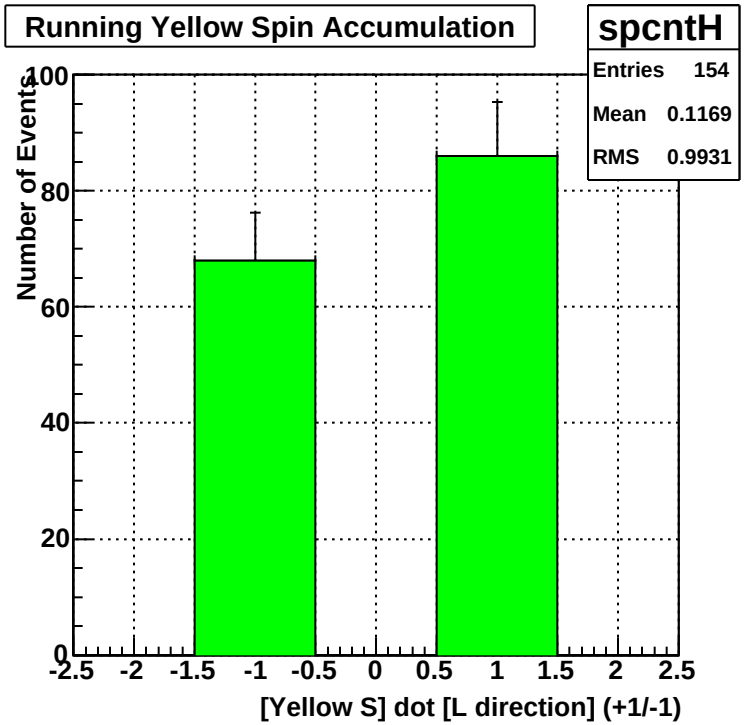
154) Rnum=7121118 EventN=2304837 (3 Yu-S[-])

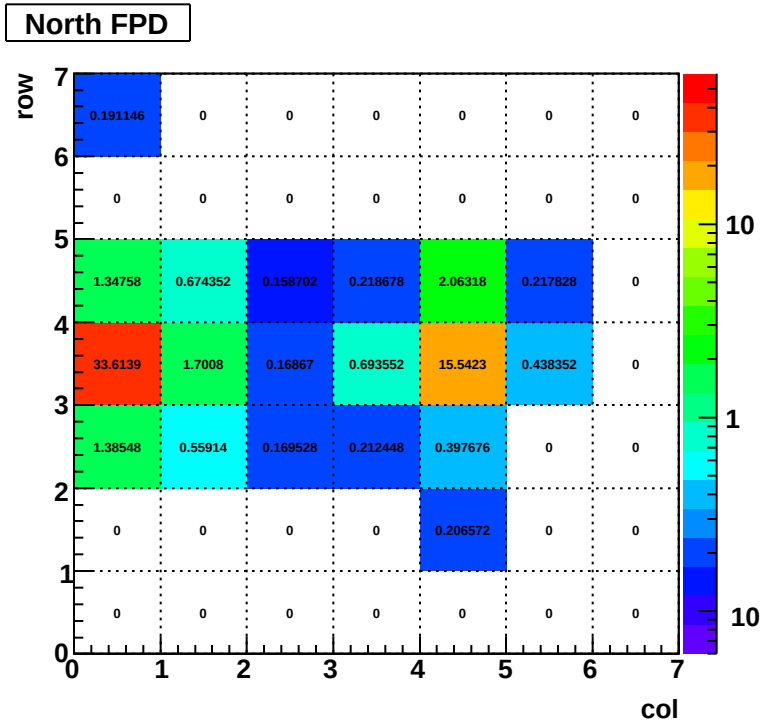
(1) Energy=44.716816 Y=-3.900822 Phi=3.123590

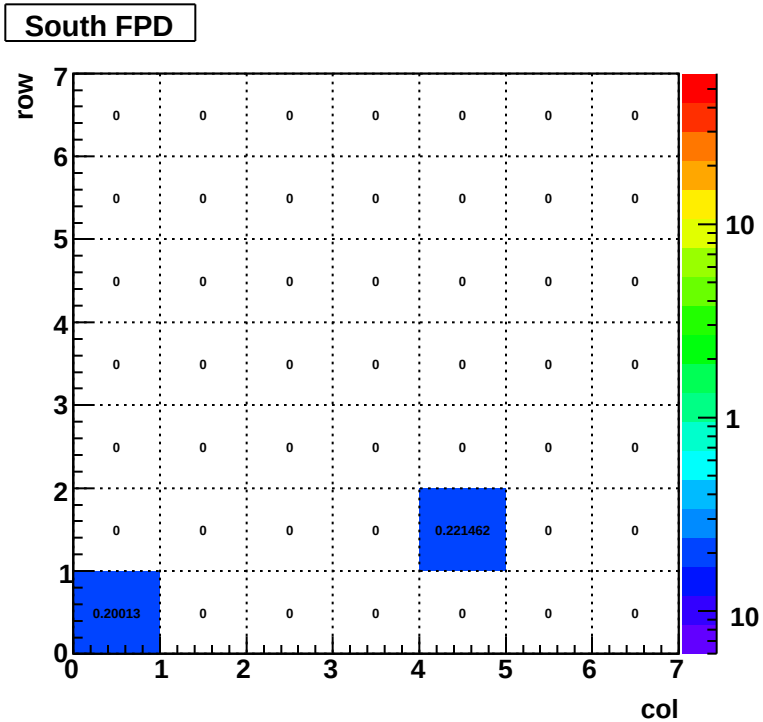
(2) Energy=20.042965 Y=-3.524940 Phi=-3.136265

M12=0.553 Y12=-3.769 Phi12=3.133 E12=64.760

SumN(-) = 68 SumN(+)= 86 AN/.6=0.195







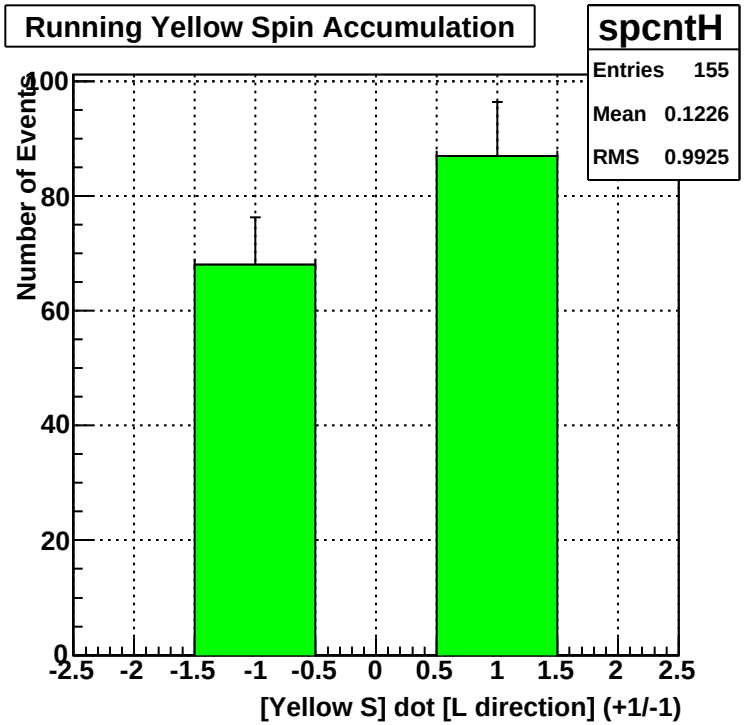
155) Rnum=7121119 EventN=100457 (1 Yu-N[+])

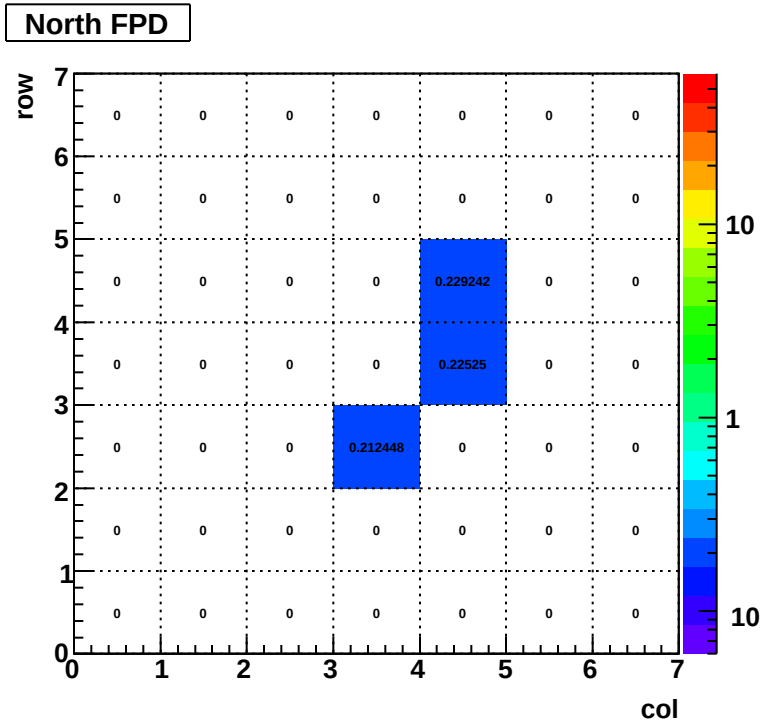
(1) Energy=42.376045 Y=-3.604760 Phi=0.234049

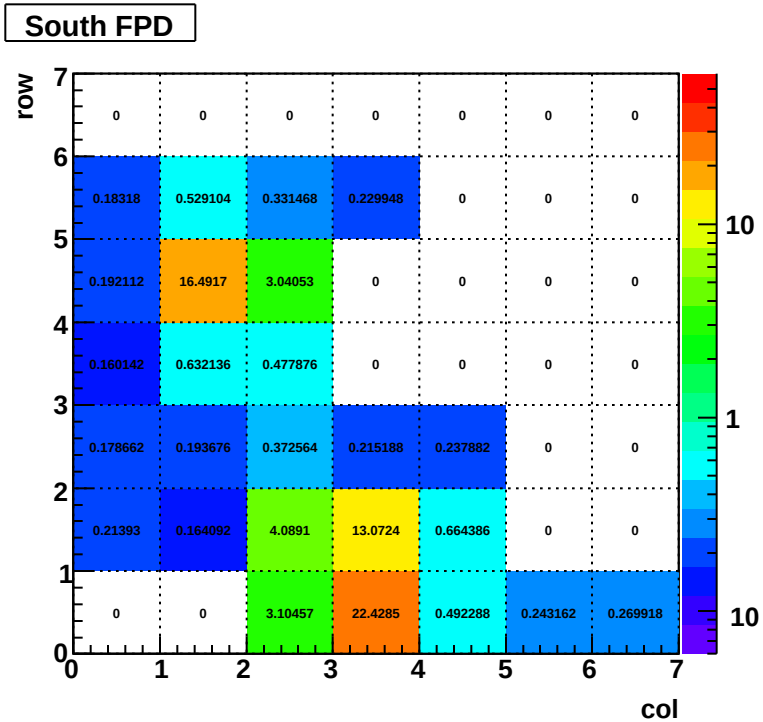
(2) Energy=23.548237 Y=-3.759419 Phi=-0.083030

M12=0.559 Y12=-3.668 Phi12=0.132 E12=65.924

SumN(-) = 68 SumN(+)= 87 AN/.6=0.204







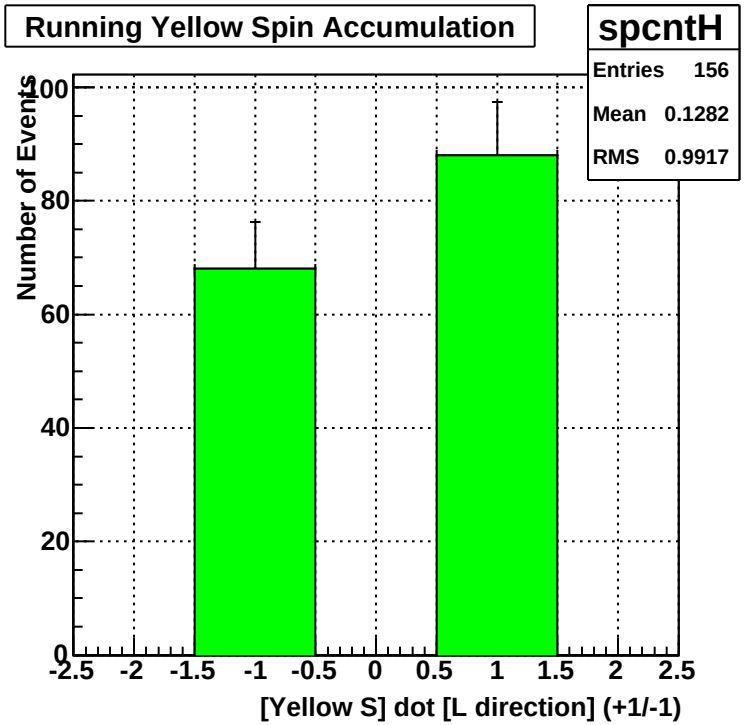
156) Rnum=7122003 EventN=209132 (1 Yu-N[+])

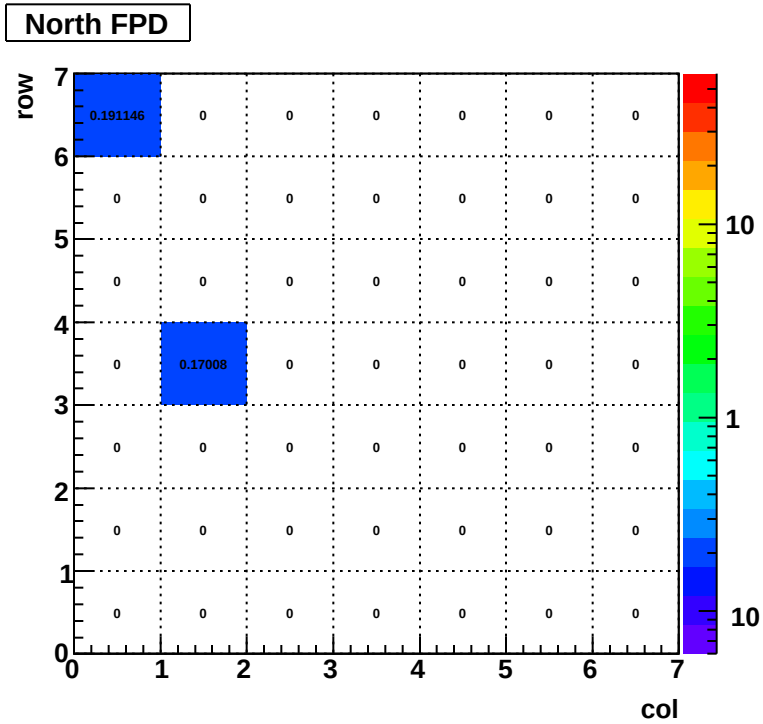
(1) Energy=38.860722 Y=-3.870145 Phi=0.123794

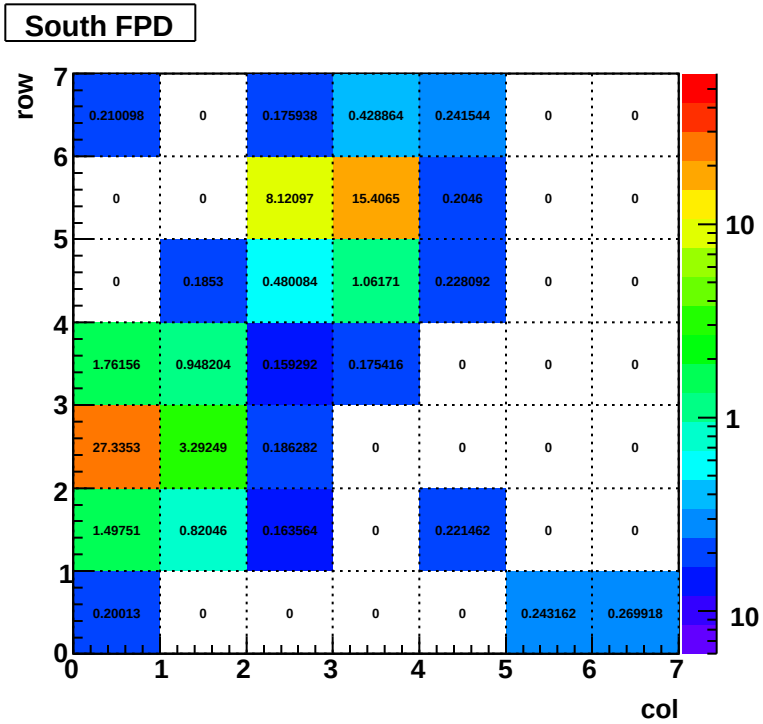
(2) Energy=27.726887 Y=-3.632042 Phi=-0.157668

M12=0.568 Y12=-3.774 Phi12=-0.010 E12=66.588

SumN(-) = 68 SumN(+)= 88 AN/.6=0.214







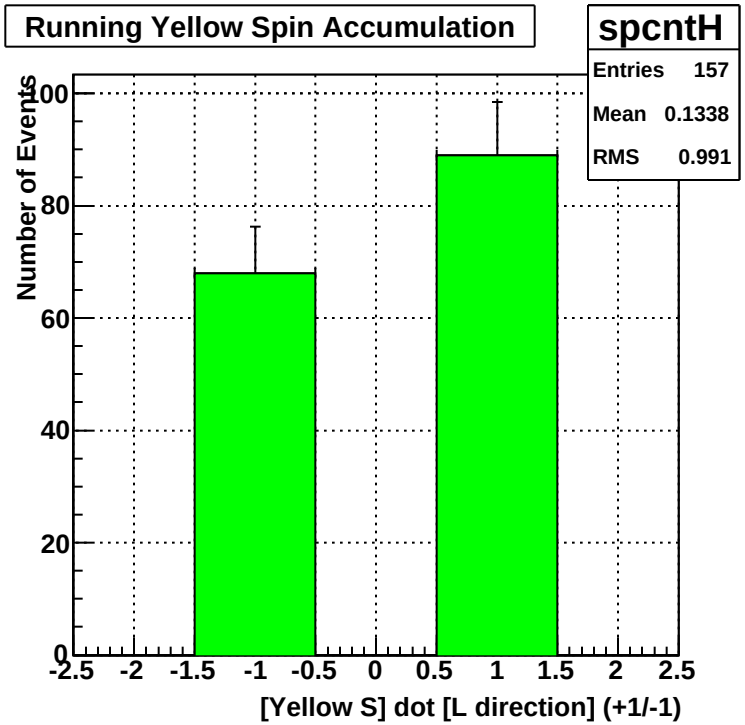
157) Rnum=7122037 EventN=5606243 (1 Yu-N[+])

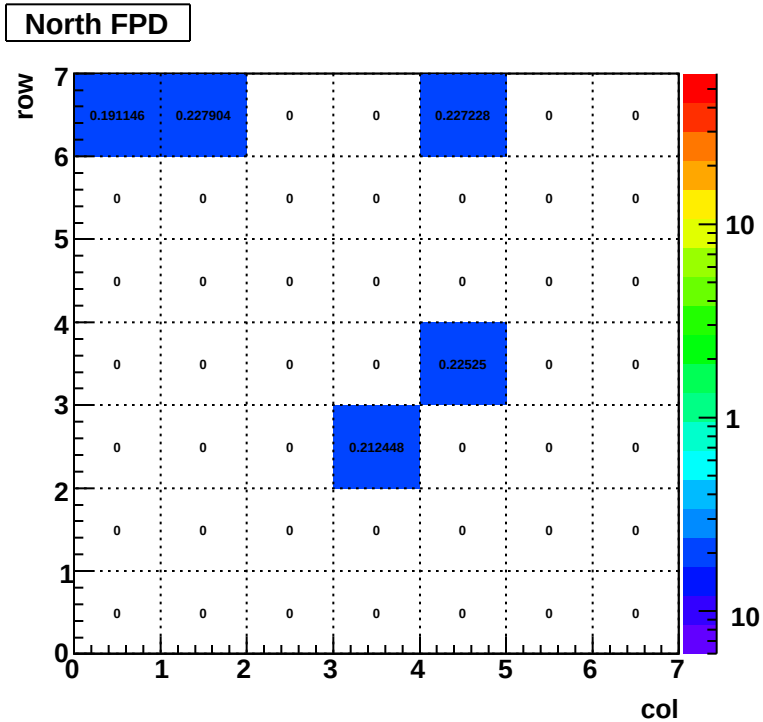
(1) Energy=33.905613 Y=-3.623420 Phi=-0.110482

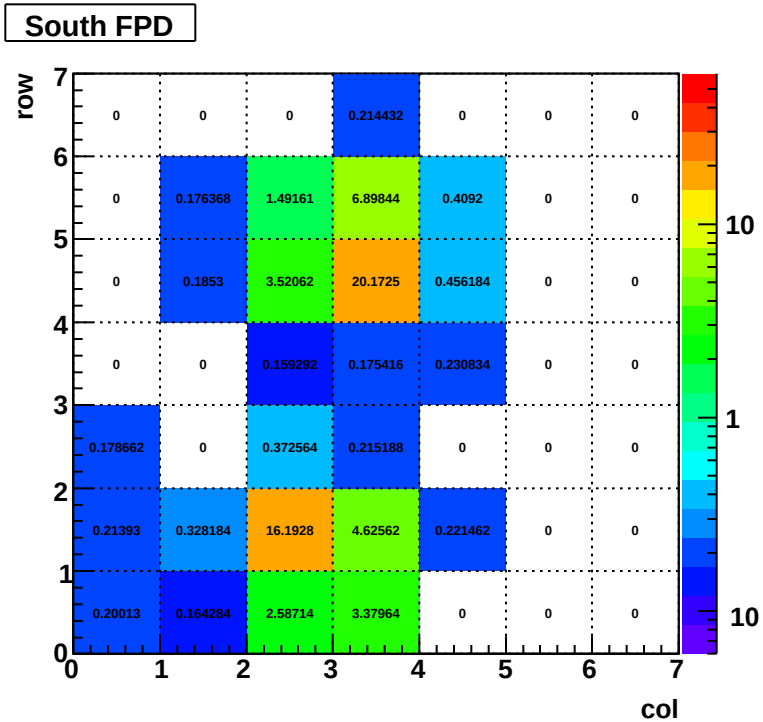
(2) Energy=27.977108 Y=-3.634285 Phi=0.222736

M12=0.542 Y12=-3.642 Phi12=0.039 E12=61.883

SumN(-) = 68 SumN(+)= 89 AN/.6=0.223







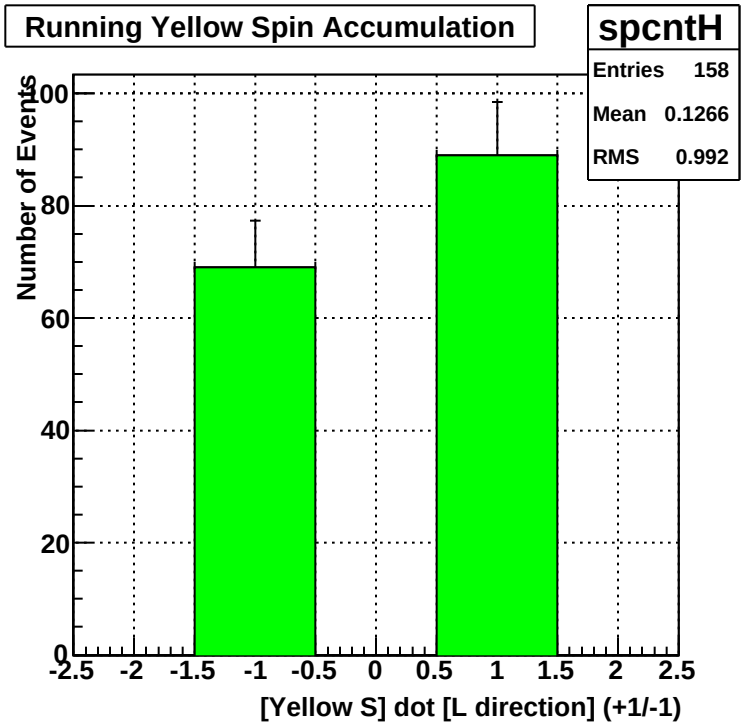
158) Rnum=7122043 EventN=7502045 (2 Yd-N[-])

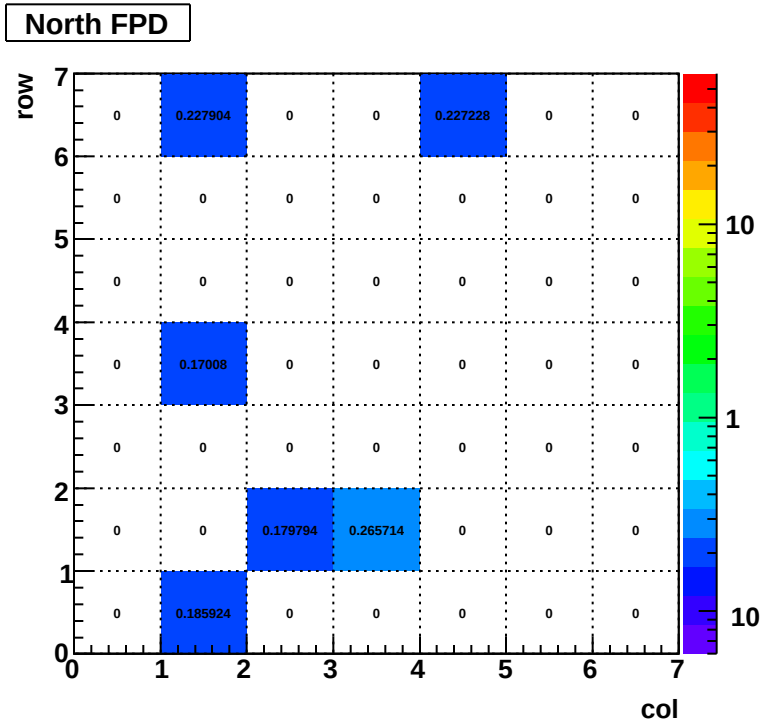
(1) Energy=26.487570 Y=-3.605926 Phi=-0.066817

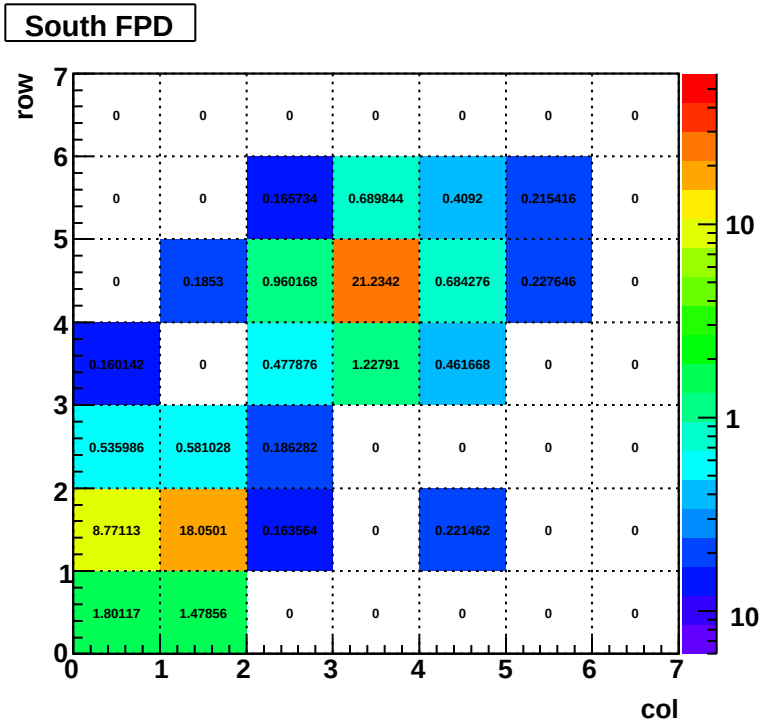
(2) Energy=33.586460 Y=-3.809926 Phi=0.250424

M12=0.550 Y12=-3.727 Phi12=0.094 E12=60.074

SumN(-) = 69 SumN(+)= 89 AN/.6=0.211







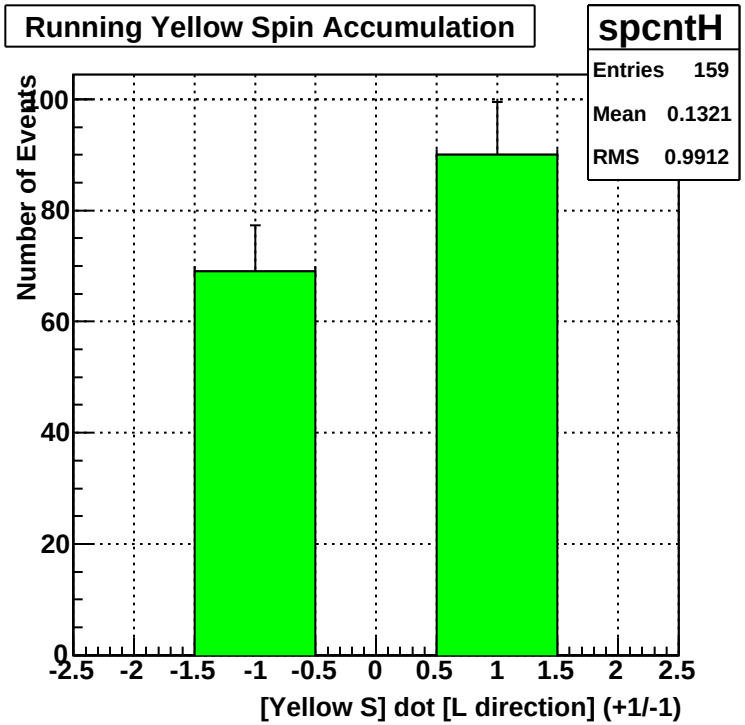
159) Rnum=7122043 EventN=9602572 (1 Yu-N[+])

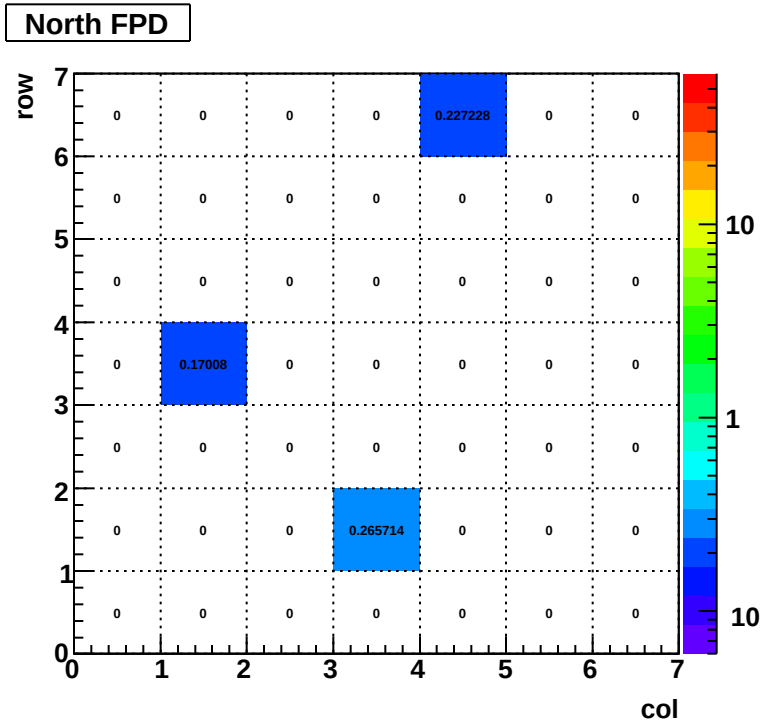
(1) Energy=37.570225 Y=-3.526074 Phi=-0.033694

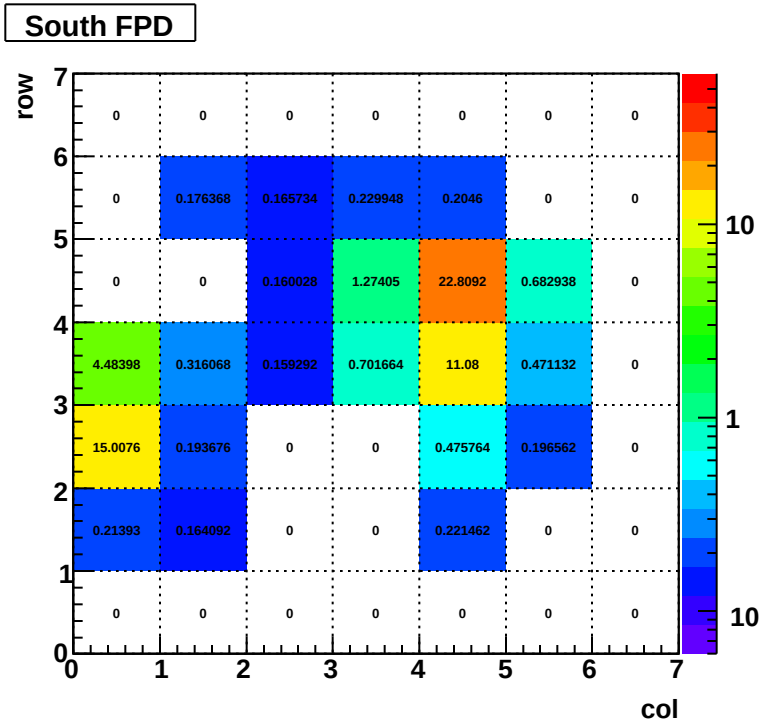
(2) Energy=24.746664 Y=-3.922957 Phi=0.091822

M12=0.615 Y12=-3.667 Phi12=0.005 E12=62.317

SumN(-) = 69 SumN(+)= 90 AN/.6=0.220







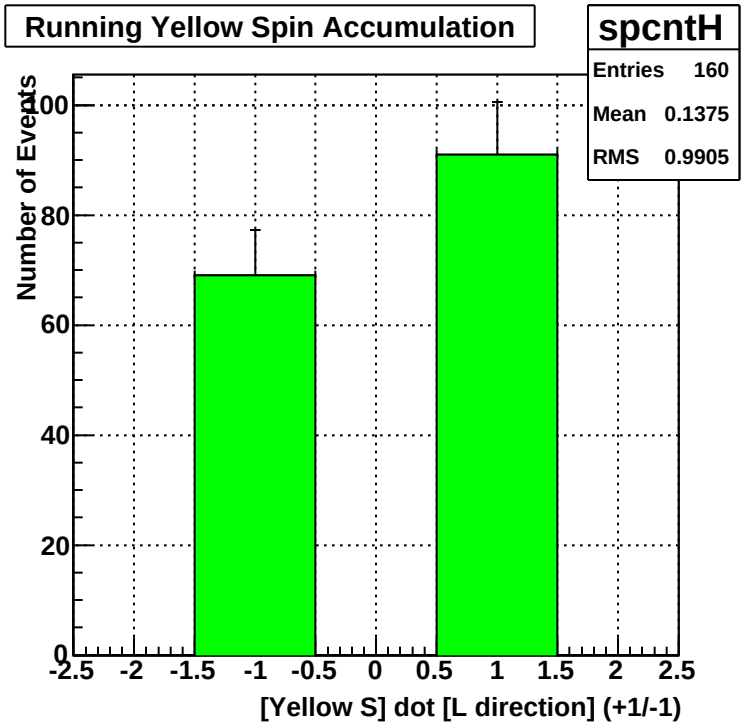
160) Rnum=7122045 EventN=4304398 (2 Yd-S[+])

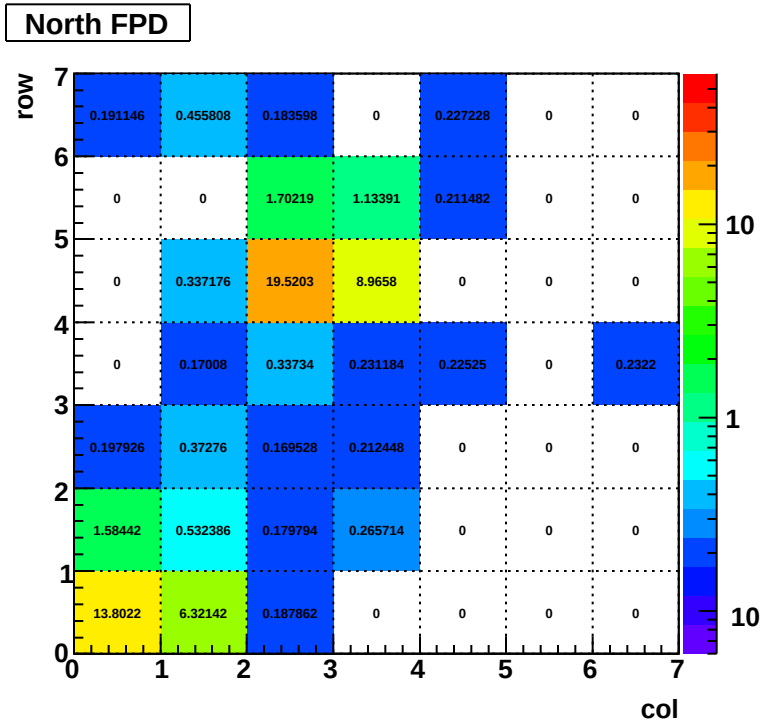
(1) Energy=35.709236 Y=-3.651748 Phi=-3.049420

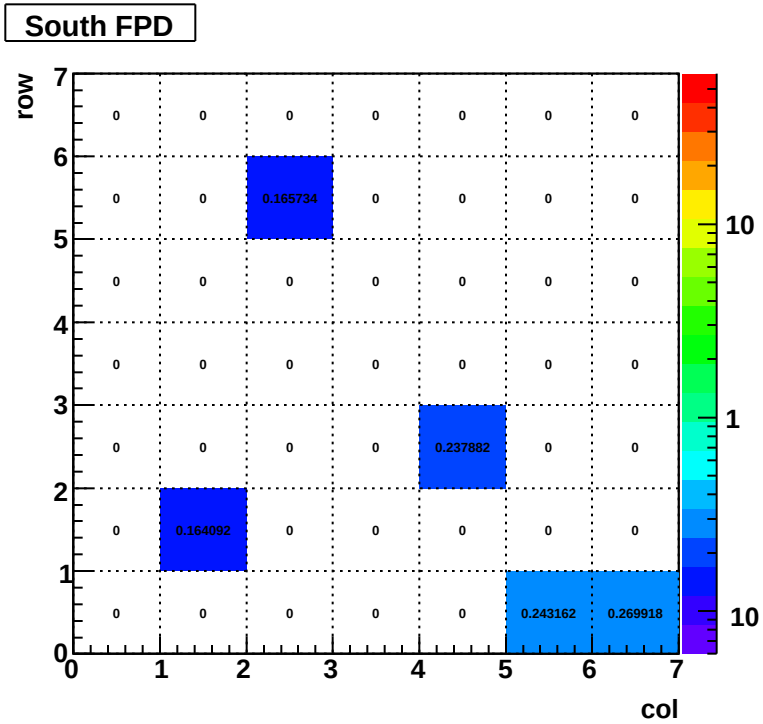
(2) Energy=24.613302 Y=-3.802611 Phi=2.819218

M12=0.625 Y12=-3.731 Phi12=3.080 E12=60.323

SumN(-) = 69 SumN(+)= 91 AN/.6=0.229







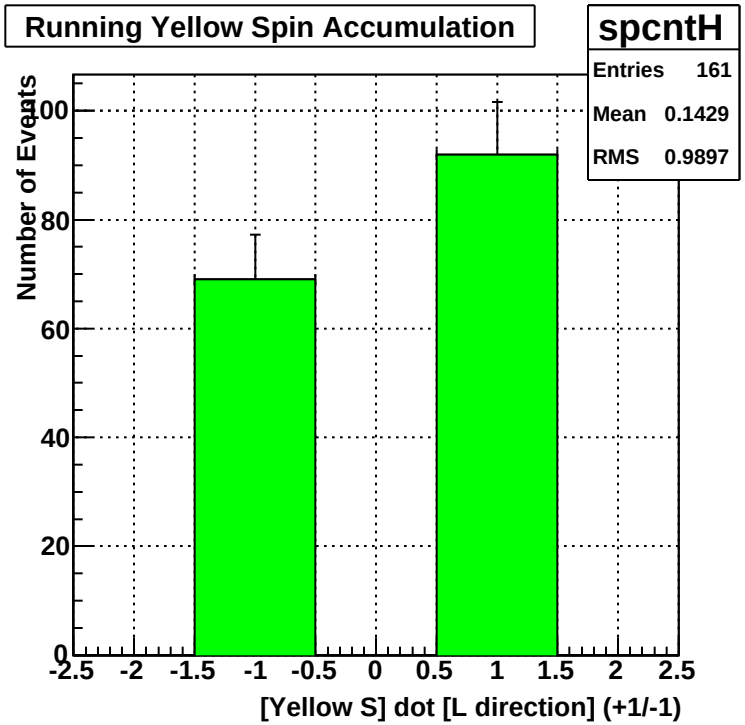
161) Rnum=7122046 EventN=209144 (1 Yu-N[+])

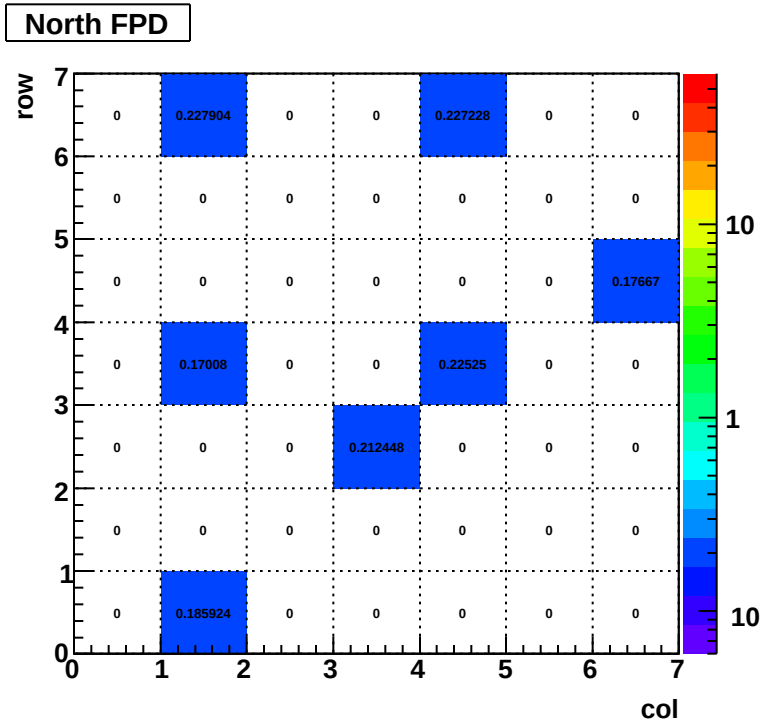
(1) Energy=31.917574 Y=-3.492573 Phi=0.041940

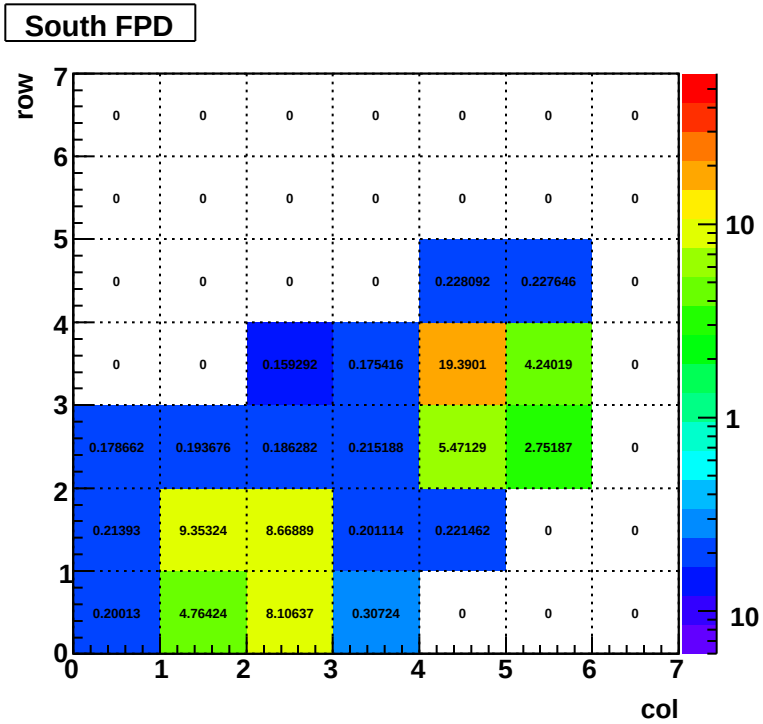
(2) Energy=33.828083 Y=-3.709897 Phi=0.255042

M12=0.545 Y12=-3.604 Phi12=0.140 E12=65.746

SumN(-) = 69 SumN(+)= 92 AN/.6=0.238







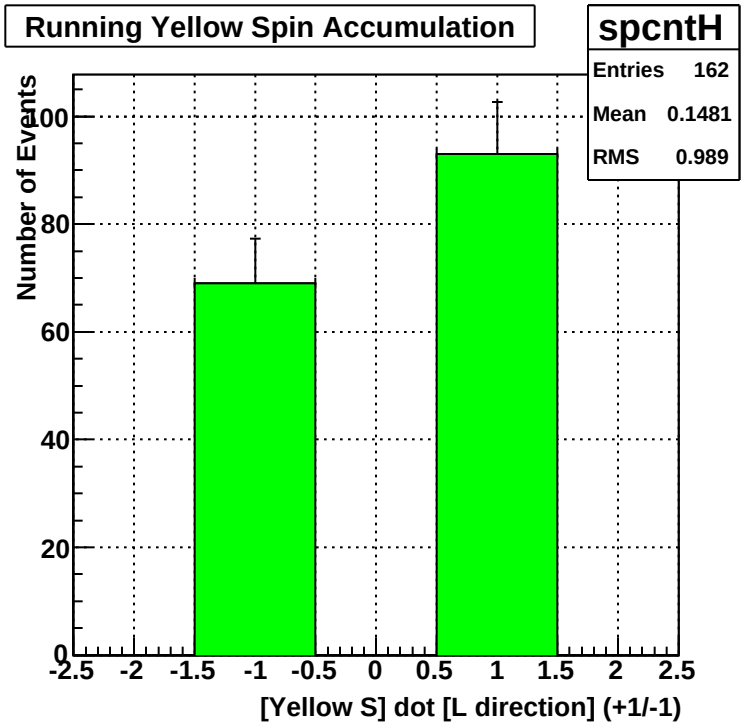
162) Rnum=7122047 EventN=3801012 (3 Yu-N[+])

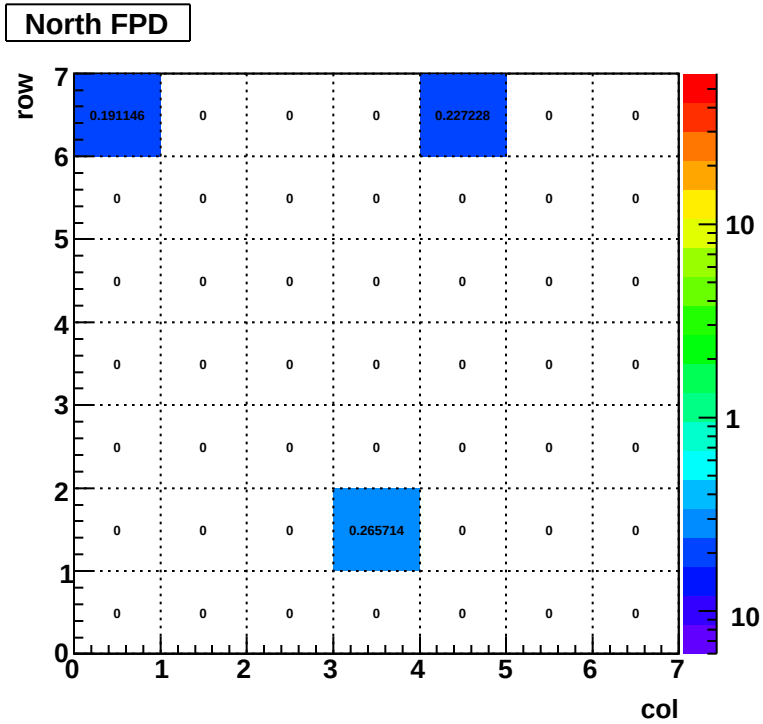
(1) Energy=37.123856 Y=-3.552376 Phi=-0.069872

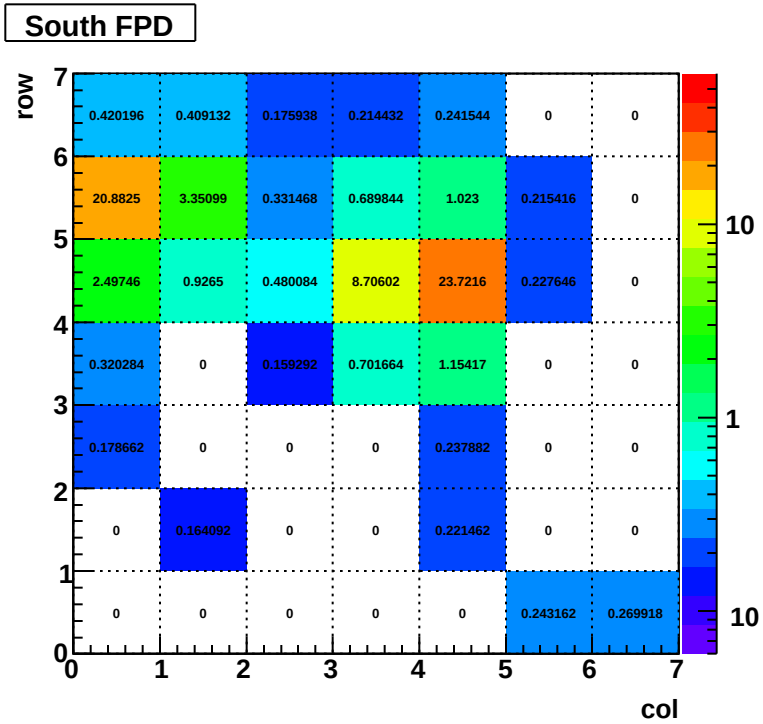
(2) Energy=30.575504 Y=-3.855507 Phi=-0.180815

M12=0.537 Y12=-3.680 Phi12=-0.112 E12=67.699

SumN(-) = 69 SumN(+)= 93 AN/.6=0.247







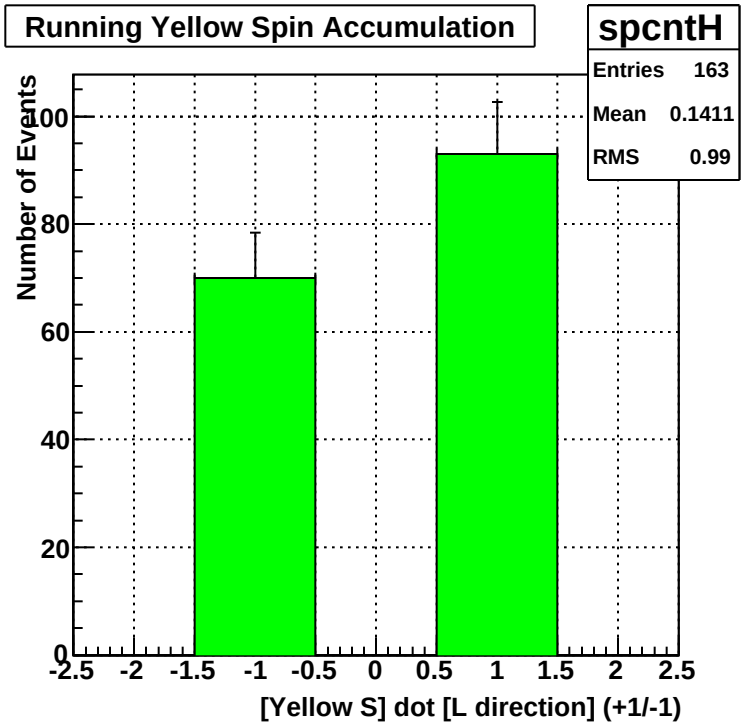
163) Rnum=7122047 EventN=1202236 (0 Yd-N[-])

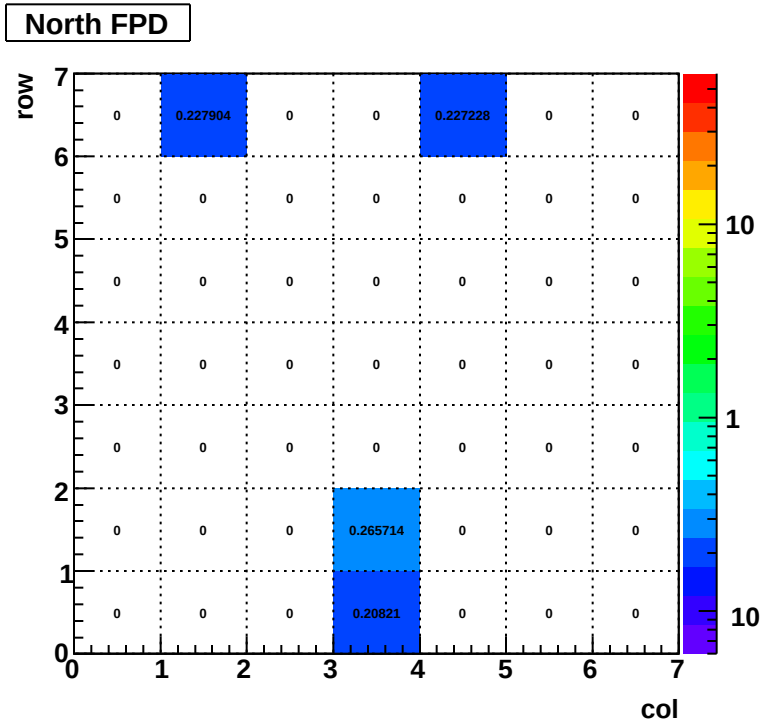
(1) Energy=52.771027 Y=-3.742211 Phi=0.148698

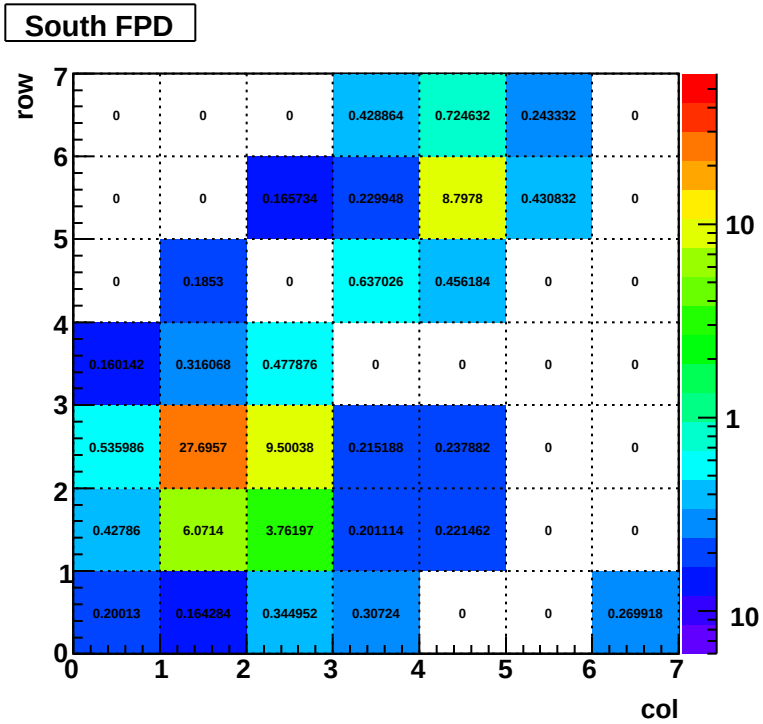
(2) Energy=11.196967 Y=-3.506458 Phi=-0.156579

M12=0.499 Y12=-3.704 Phi12=0.085 E12=63.968

SumN(-) = 70 SumN(+)= 93 AN/.6=0.235







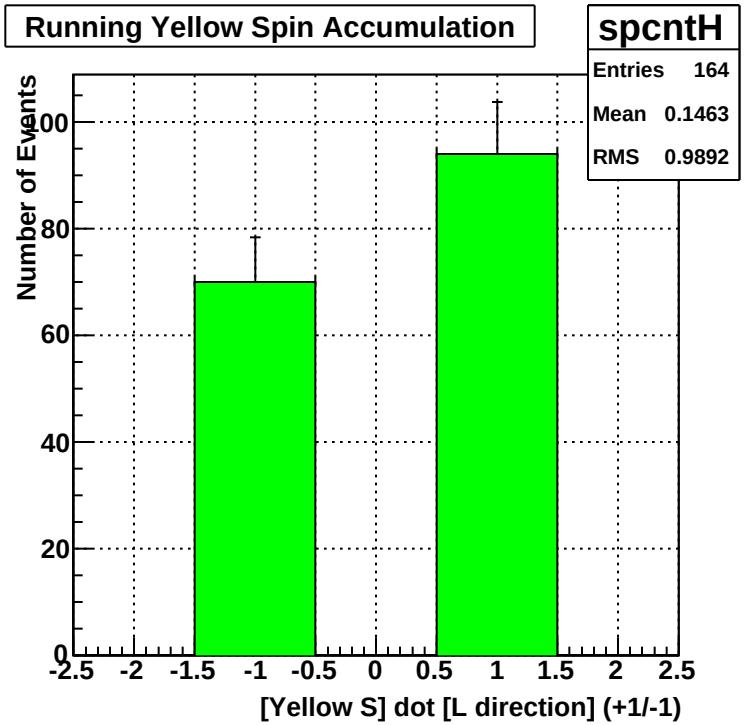
164) Rnum=7122047 EventN=2000968 (2 Yd-S[+])

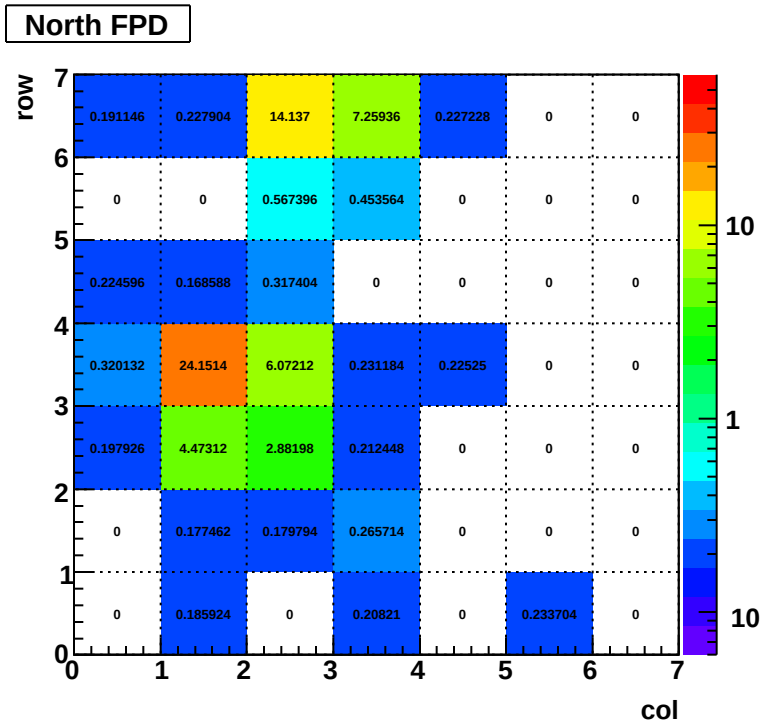
(1) Energy=40.251038 Y=-3.754788 Phi=3.093198

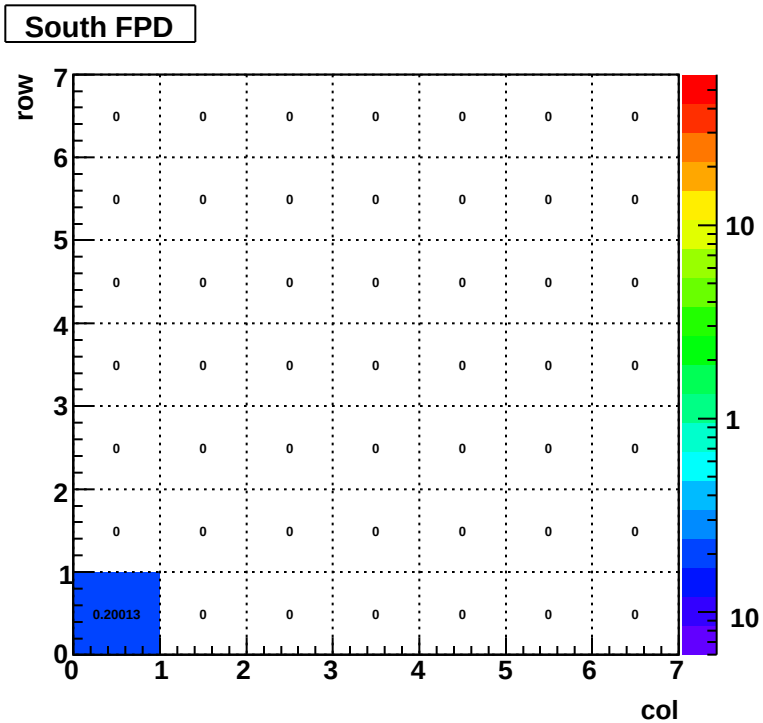
(2) Energy=25.159441 Y=-3.620492 Phi=-2.882113

M12=0.533 Y12=-3.713 Phi12=-3.062 E12=65.410

SumN(-) = 70 SumN(+)= 94 AN/.6=0.244







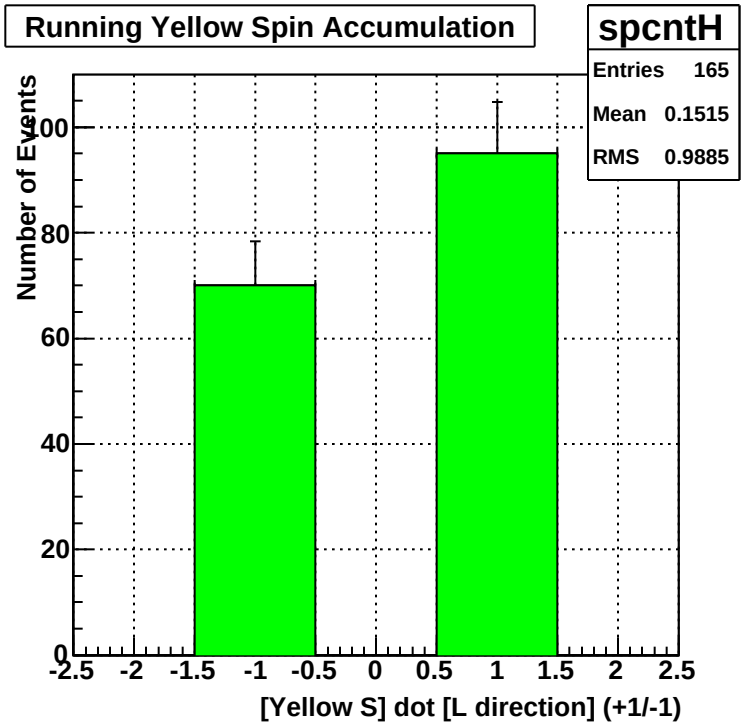
165) Rnum=7122048 EventN=8702603 (1 Yu-N[+])

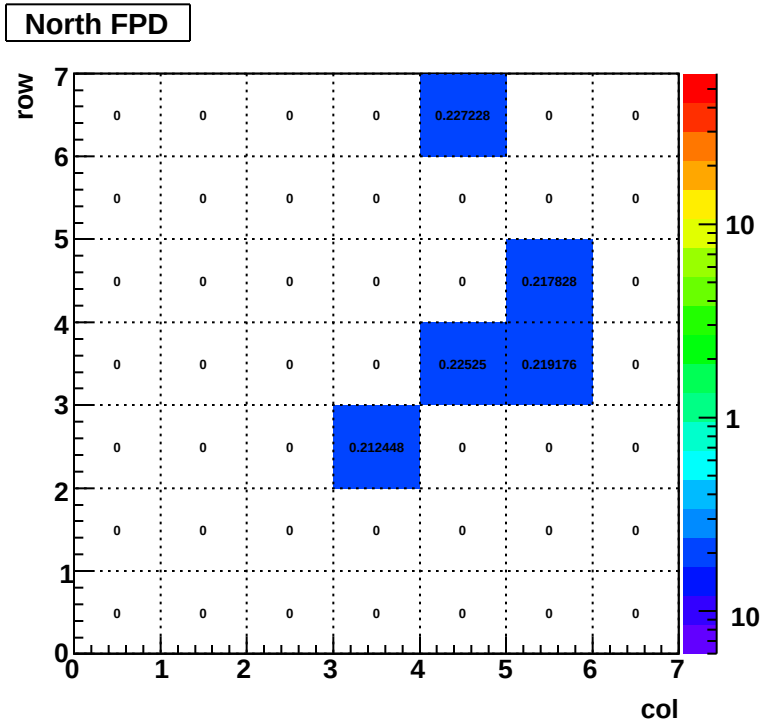
(1) Energy=33.413570 Y=-3.683921 Phi=0.165587

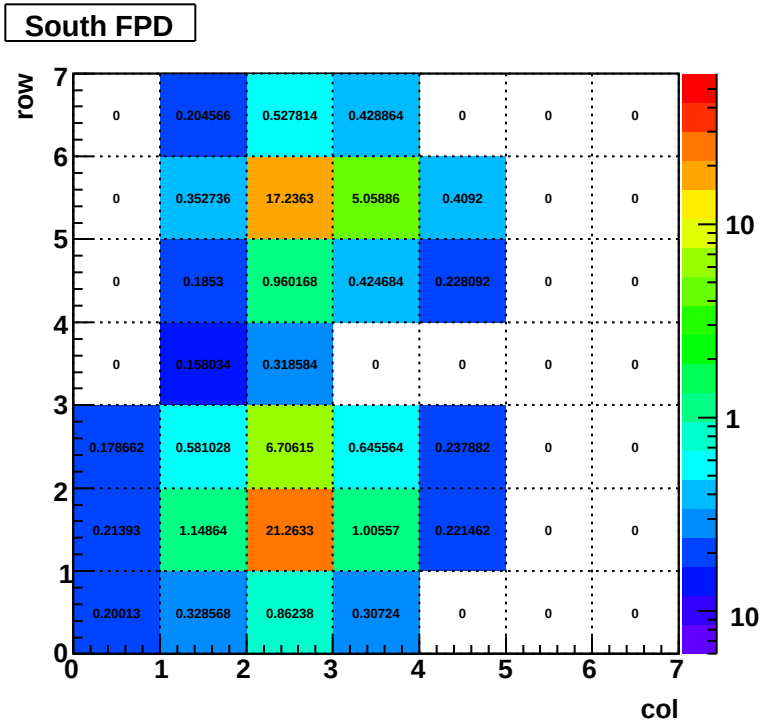
(2) Energy=27.031588 Y=-3.647343 Phi=-0.163853

M12=0.507 Y12=-3.681 Phi12=0.015 E12=60.445

SumN(-) = 70 SumN(+)= 95 AN/.6=0.253







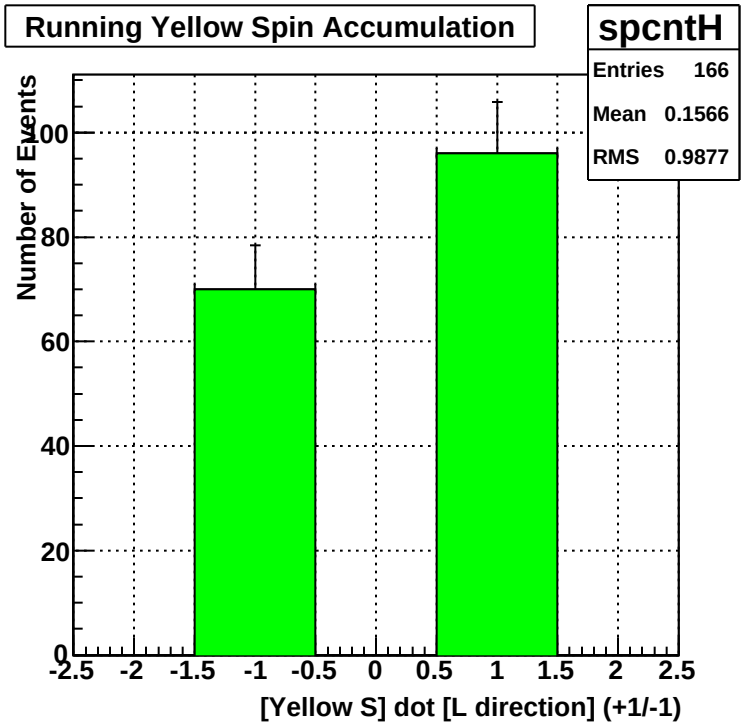
166) Rnum=7122049 EventN=3805618 (1 Yu-N[+])

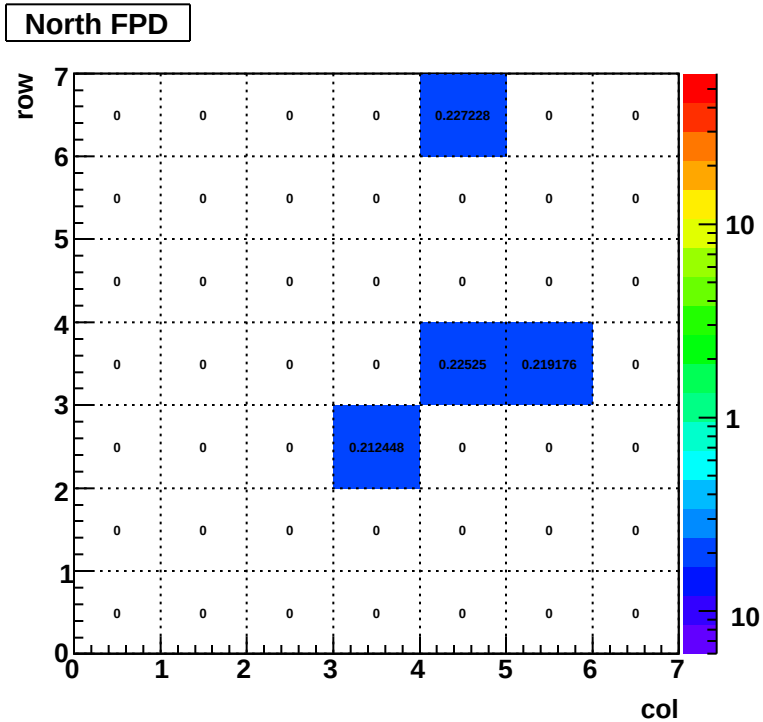
(1) Energy=29.878330 Y=-3.619798 Phi=-0.130305

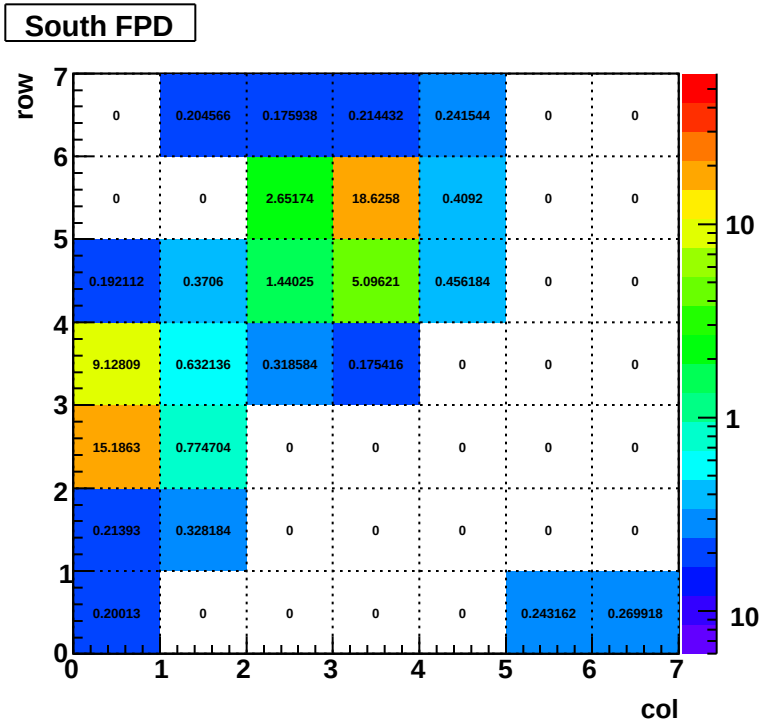
(2) Energy=30.420687 Y=-3.901509 Phi=0.080362

M12=0.494 Y12=-3.757 Phi12=-0.039 E12=60.299

SumN(-) = 70 SumN(+)= 96 AN/.6=0.261







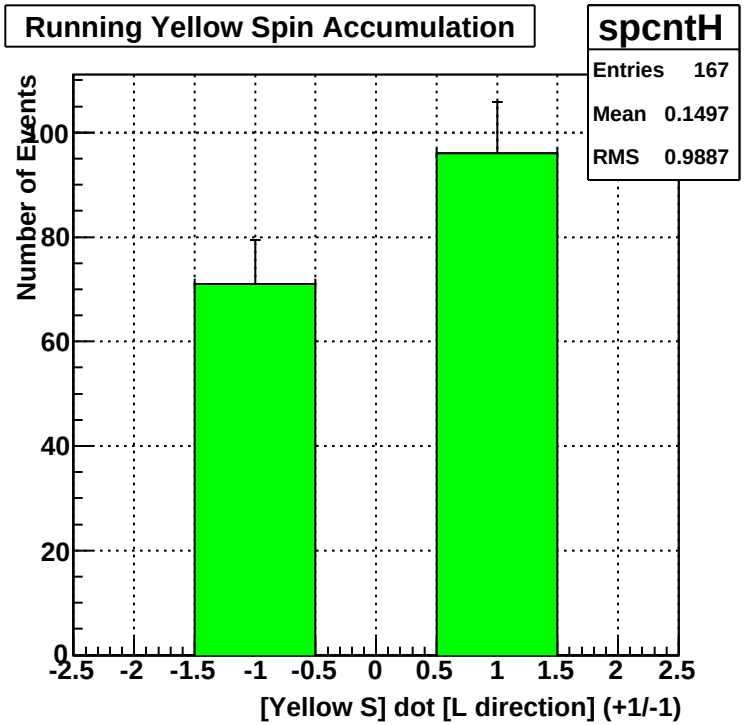
167) Rnum=7122049 EventN=5007673 (0 Yd-N[-])

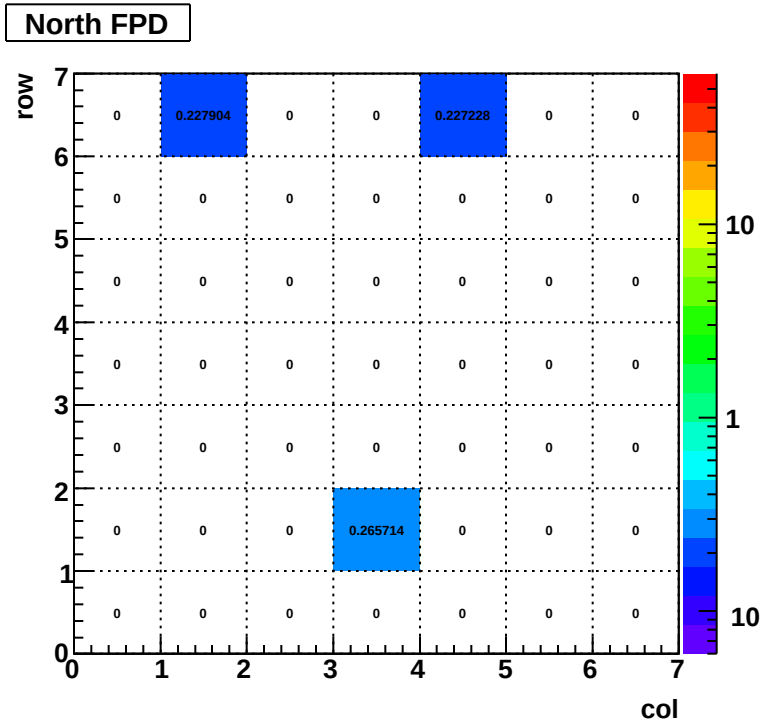
(1) Energy=39.739548 Y=-3.712805 Phi=0.177369

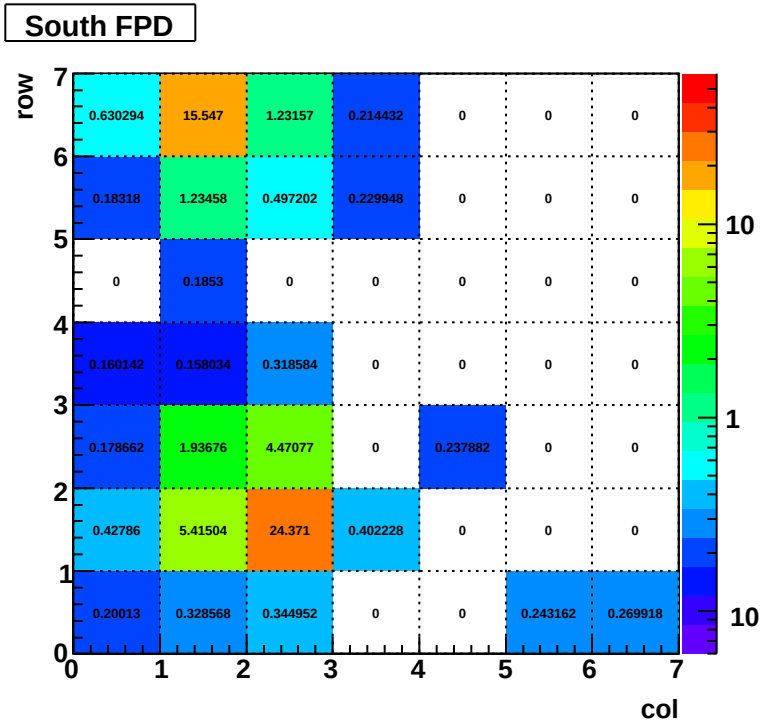
(2) Energy=20.553663 Y=-3.742117 Phi=-0.272113

M12=0.614 Y12=-3.745 Phi12=0.028 E12=60.293

SumN(-) = 71 SumN(+)= 96 AN/.6=0.250







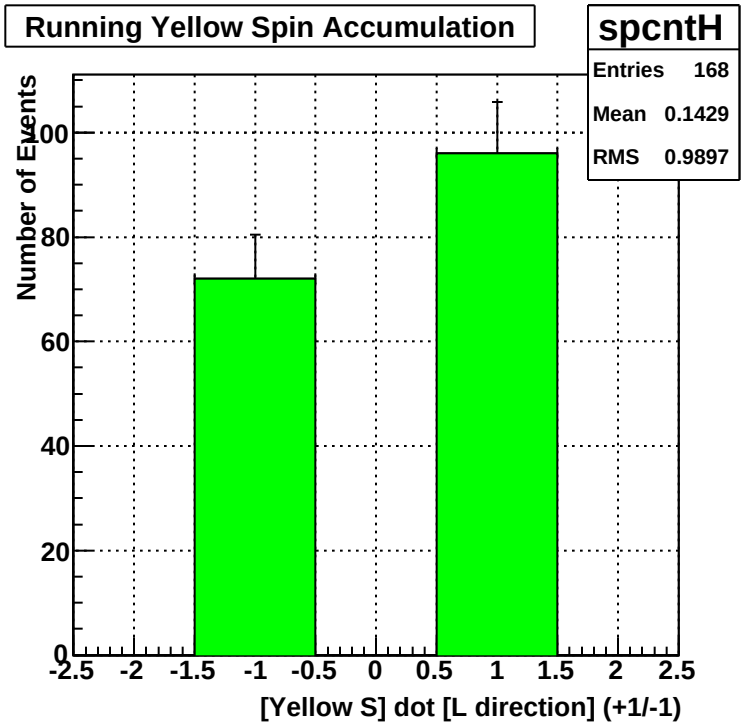
168) Rnum=7122052 EventN=2206696 (1 Yu-S[-])

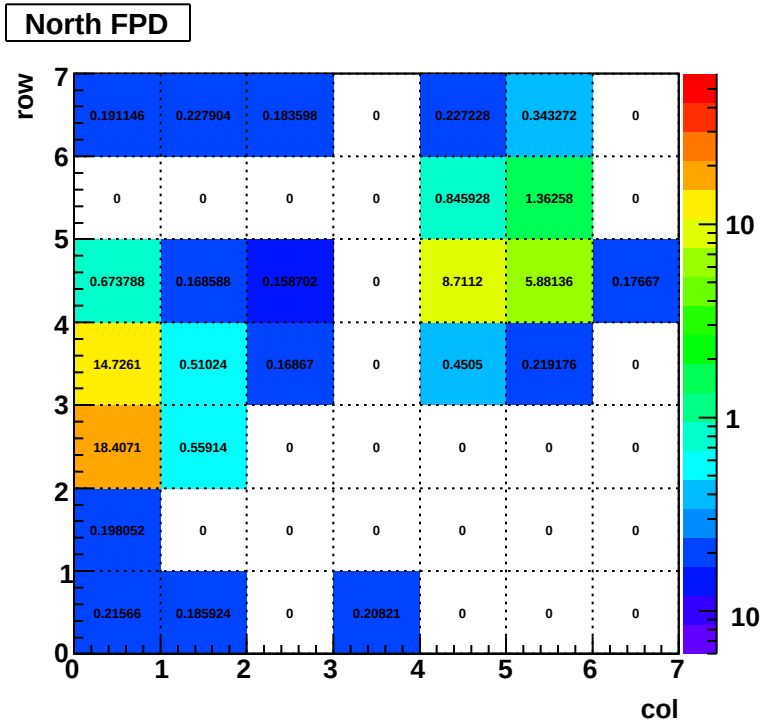
(1) Energy=42.112736 Y=-3.929735 Phi=3.062251

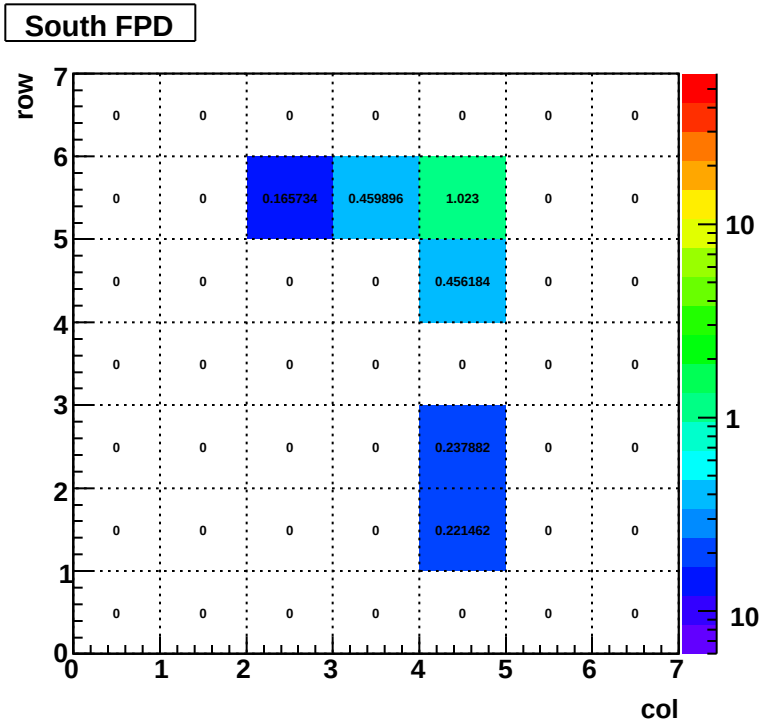
(2) Energy=17.887882 Y=-3.481322 Phi=-3.059288

M12=0.648 Y12=-3.777 Phi12=3.127 E12=60.001

SumN(-) = 72 SumN(+)= 96 AN/.6=0.238







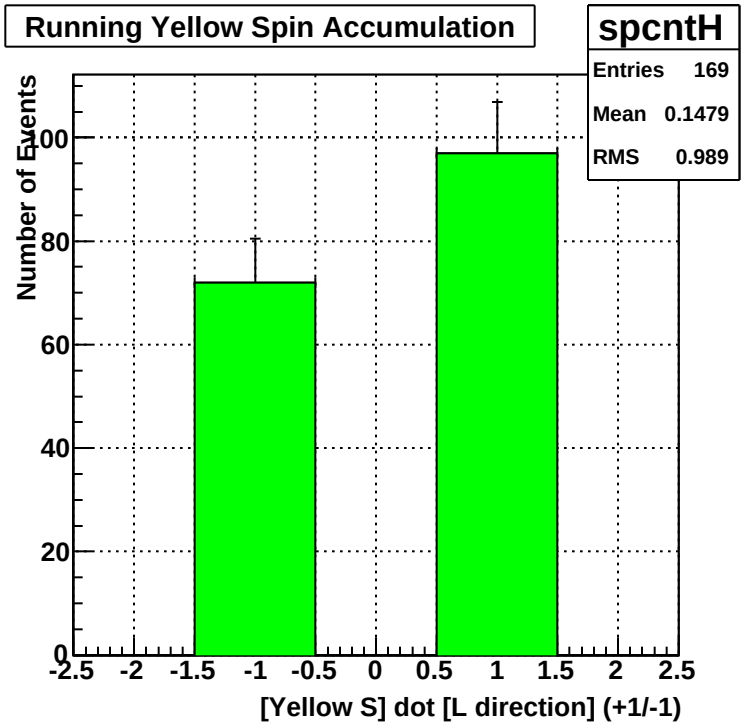
169) Rnum=7122053 EventN=800754 (1 Yu-N[+])

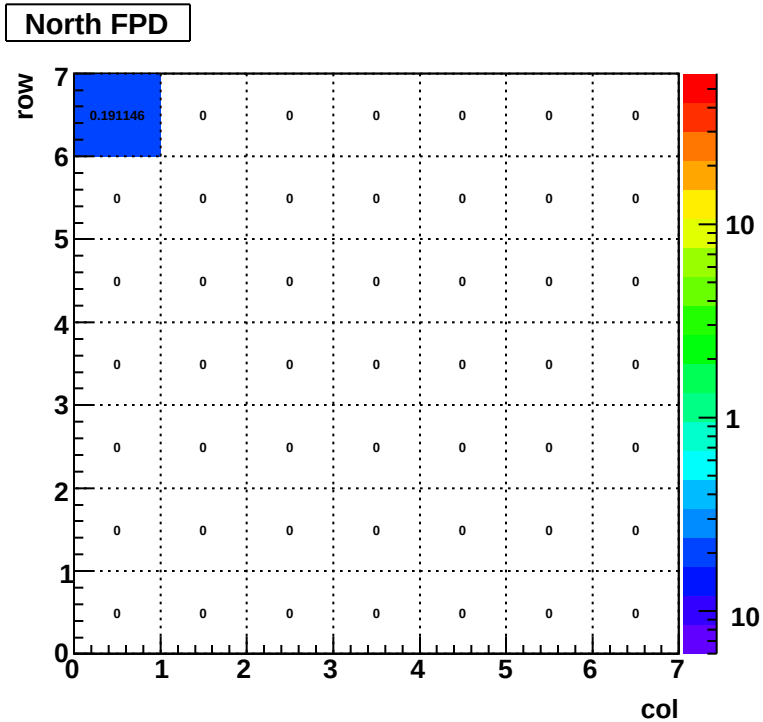
(1) Energy=53.310120 Y=-3.822486 Phi=-0.164844

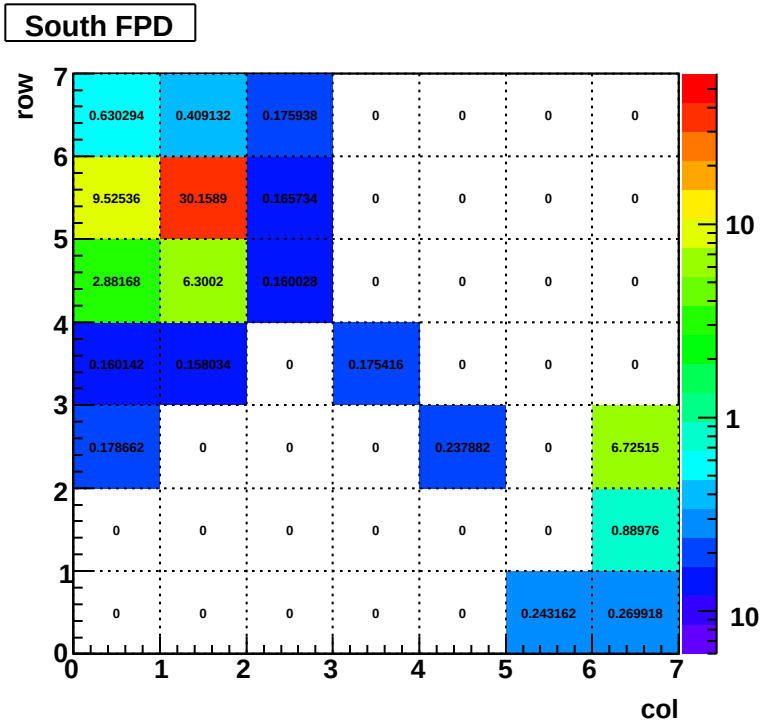
(2) Energy=9.546381 Y=-3.383003 Phi=0.100775

M12=0.634 Y12=-3.748 Phi12=-0.107 E12=62.856

SumN(-) = 72 SumN(+)= 97 AN/.6=0.247







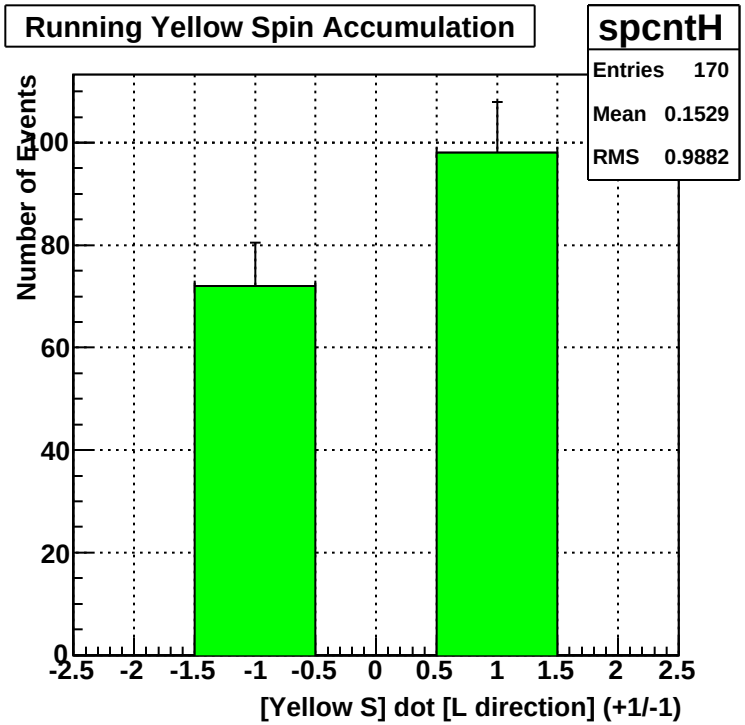
170) Rnum=7122053 EventN=2304518 (0 Yd-S[+])

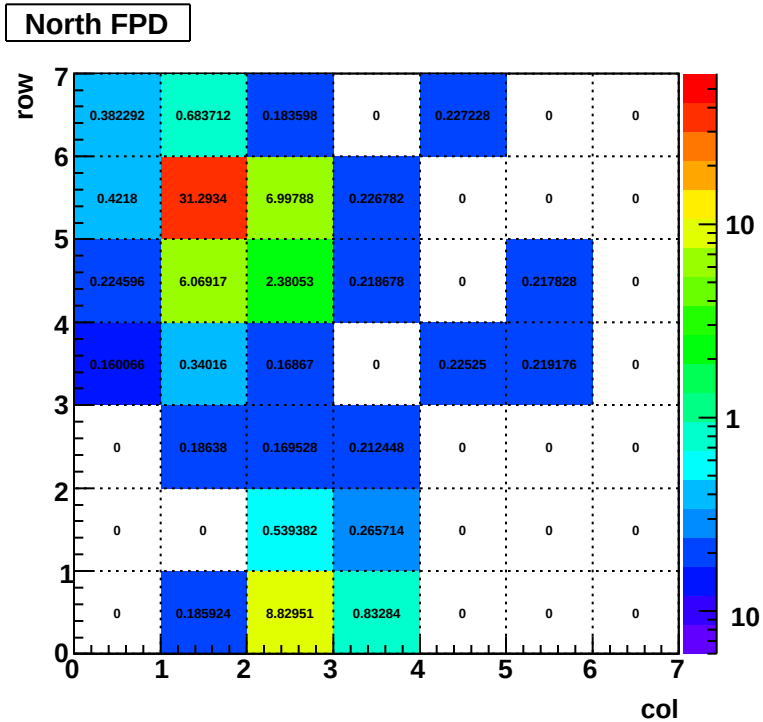
(1) Energy=48.397717 Y=-3.746468 Phi=-2.989887

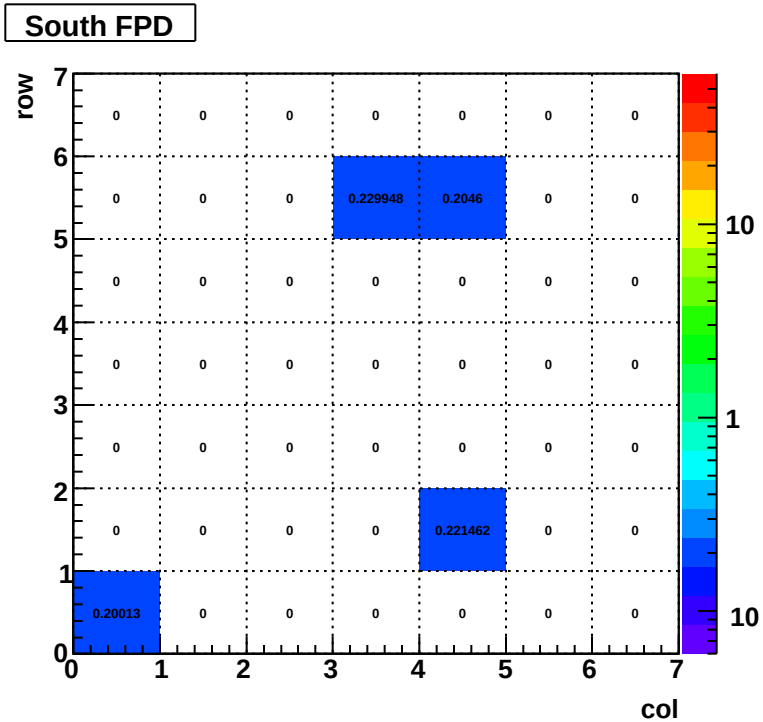
(2) Energy=12.260468 Y=-3.639797 Phi=2.863223

M12=0.533 Y12=-3.740 Phi12=-3.083 E12=60.658

SumN(-) = 72 SumN(+)= 98 AN/.6=0.255







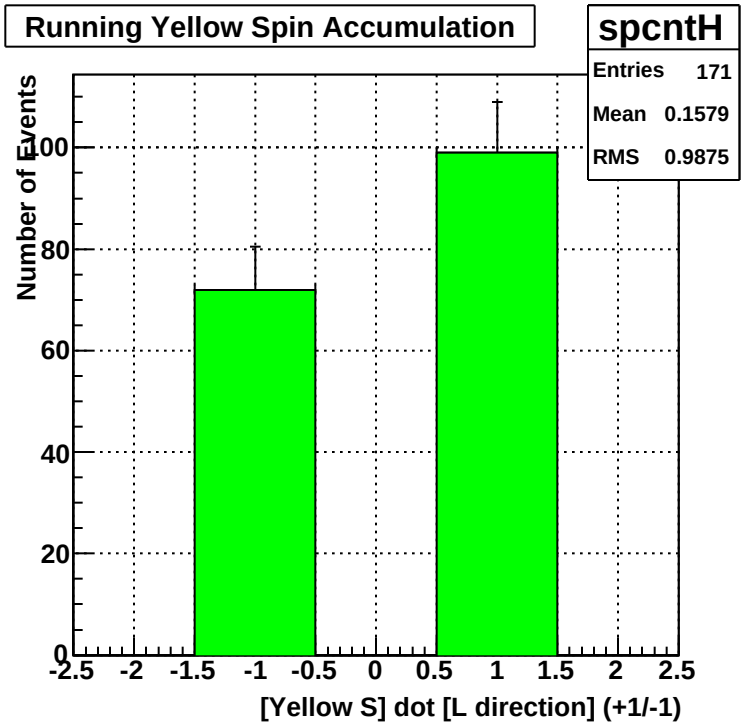
171) Rnum=7122054 EventN=3704917 (1 Yu-N[+])

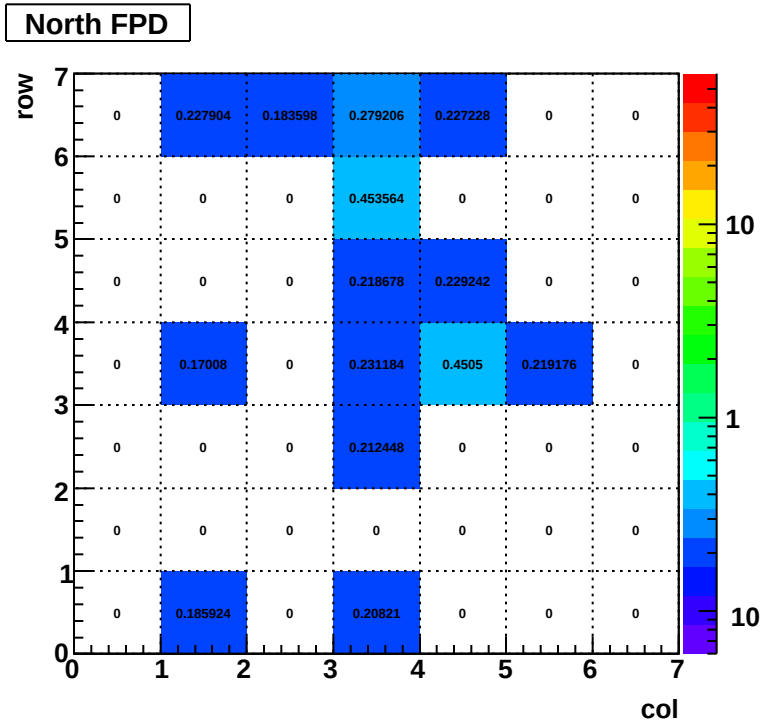
(1) Energy=33.669422 Y=-3.603902 Phi=0.123342

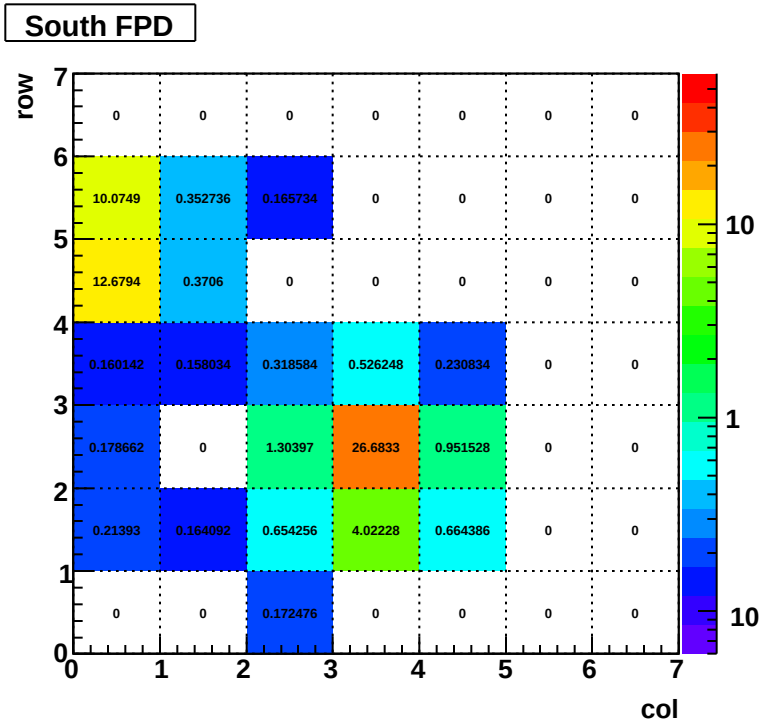
(2) Energy=27.924704 Y=-3.914061 Phi=-0.157987

M12=0.599 Y12=-3.742 Phi12=0.017 E12=61.594

SumN(-) = 72 SumN(+)= 99 AN/.6=0.263







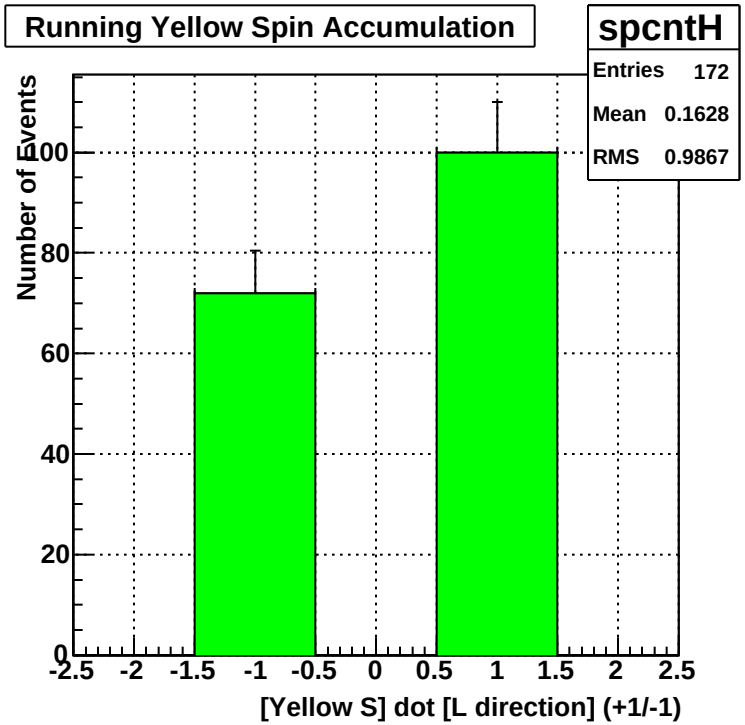
172) Rnum=7122057 EventN=4801715 (0 Yd-S[+])

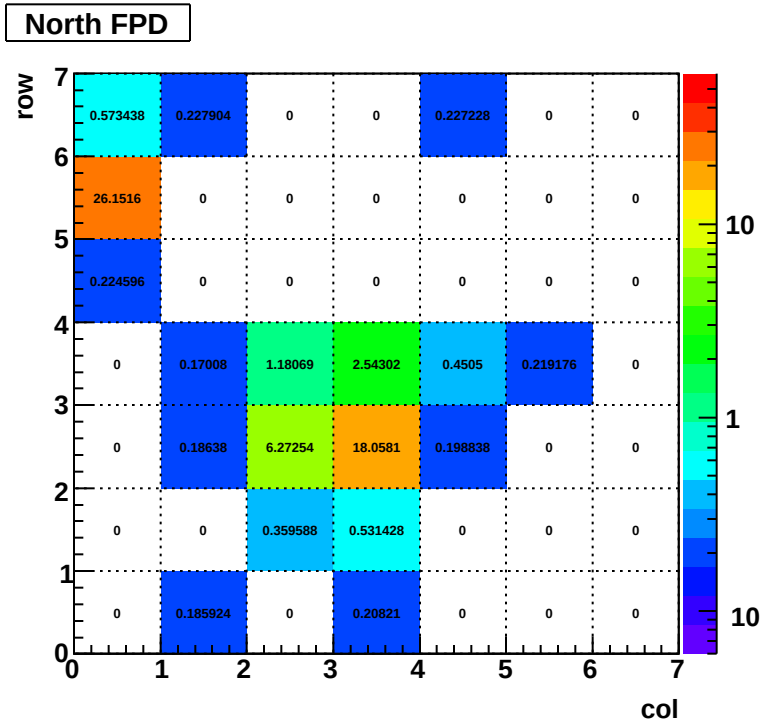
(1) Energy=32.833332 Y=-3.881942 Phi=-2.926697

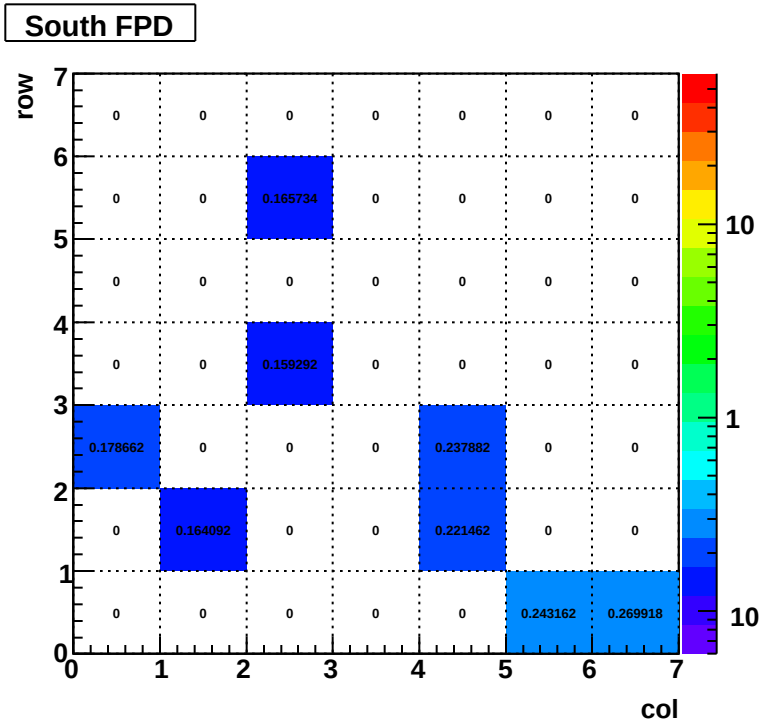
(2) Energy=29.734964 Y=-3.637474 Phi=3.061398

M12=0.557 Y12=-3.769 Phi12=-3.085 E12=62.568

SumN(-) = 72 SumN(+)= 100 AN/.6=0.271







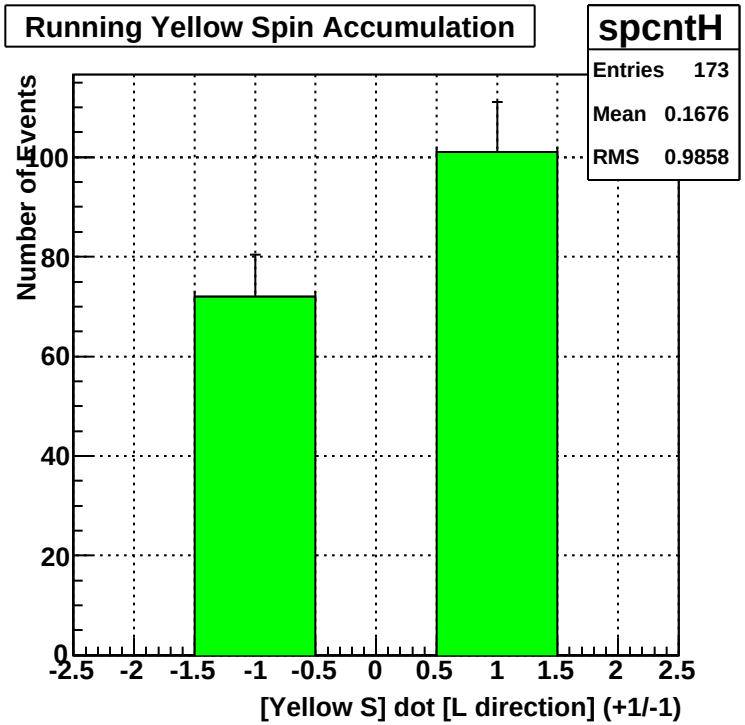
173) Rnum=7122063 EventN=1204714 (2 Yd-S[+])

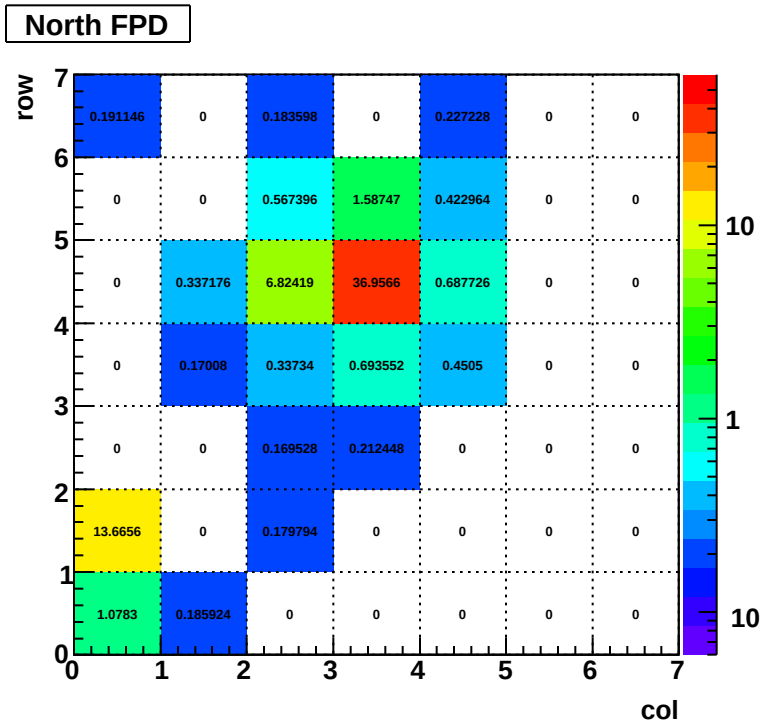
(1) Energy=50.617638 Y=-3.628820 Phi=-3.060467

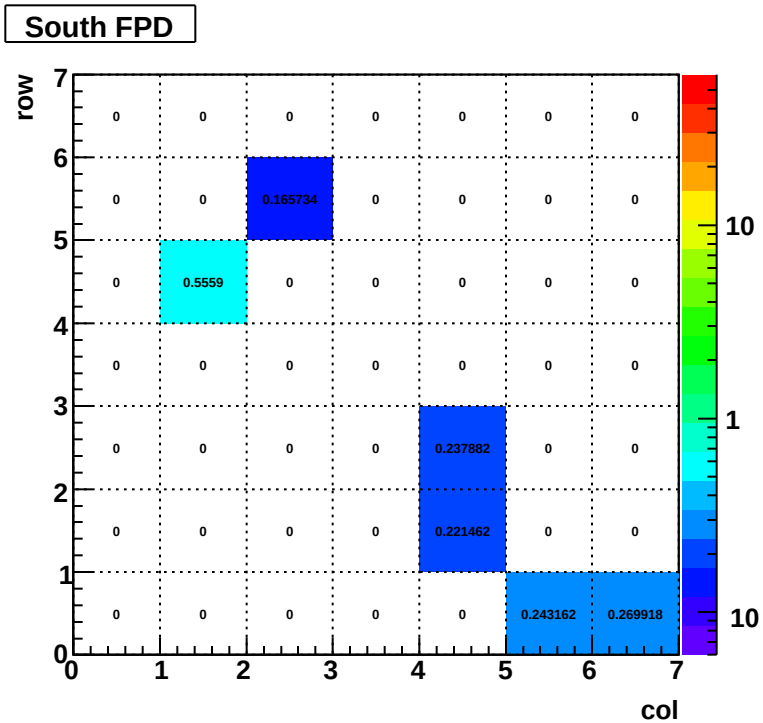
(2) Energy=17.443123 Y=-3.871961 Phi=2.884180

M12=0.581 Y12=-3.695 Phi12=-3.132 E12=68.061

SumN(-) = 72 SumN(+)= 101 AN/.6=0.279







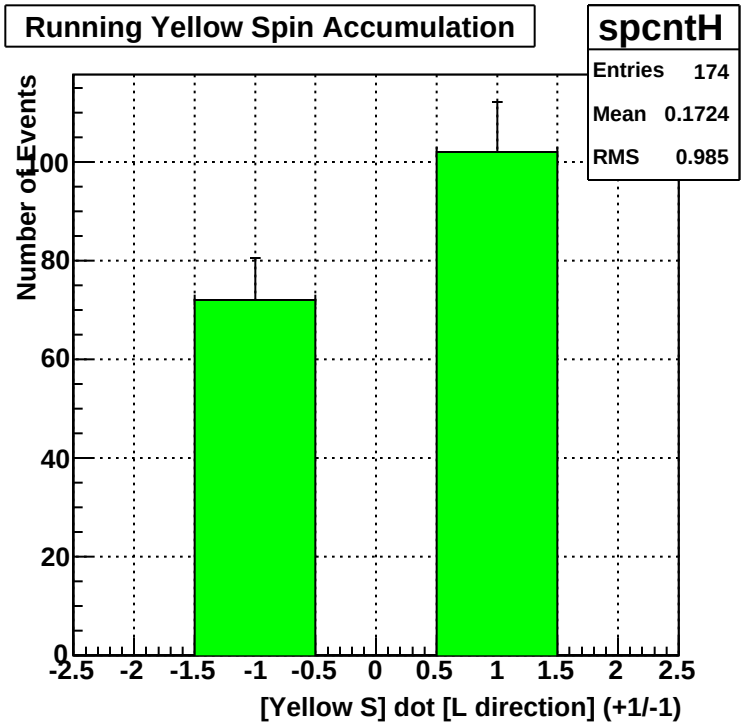
174) Rnum=7122070 EventN=6304544 (1 Yu-N[+])

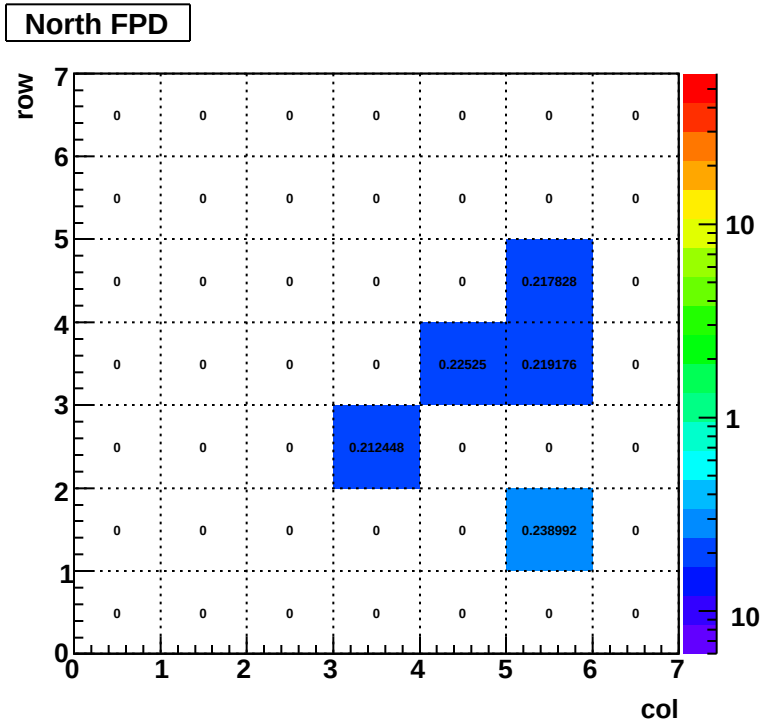
(1) Energy=31.575930 Y=-3.914925 Phi=-0.089894

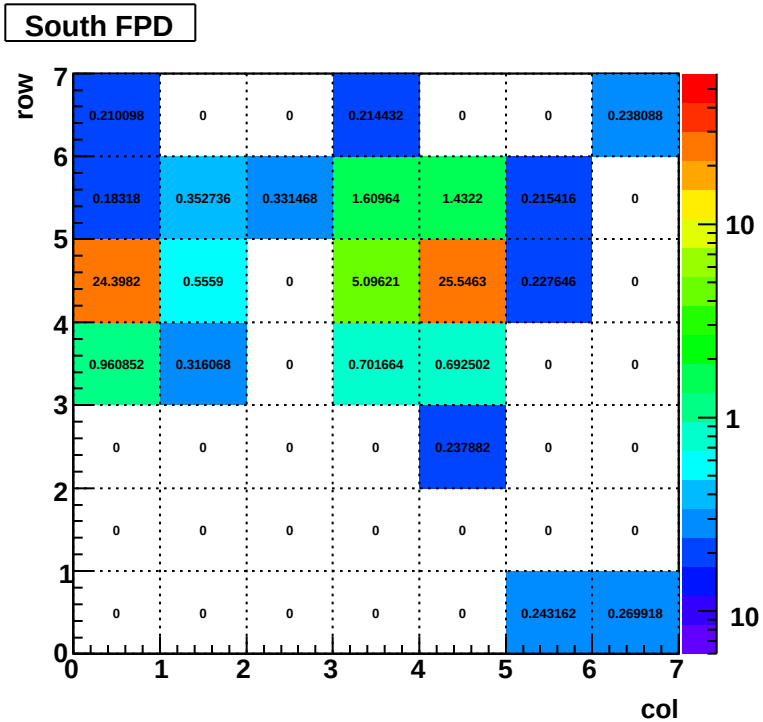
(2) Energy=35.763428 Y=-3.545281 Phi=-0.078999

M12=0.599 Y12=-3.702 Phi12=-0.083 E12=67.339

SumN(-) = 72 SumN(+)= 102 AN/.6=0.287







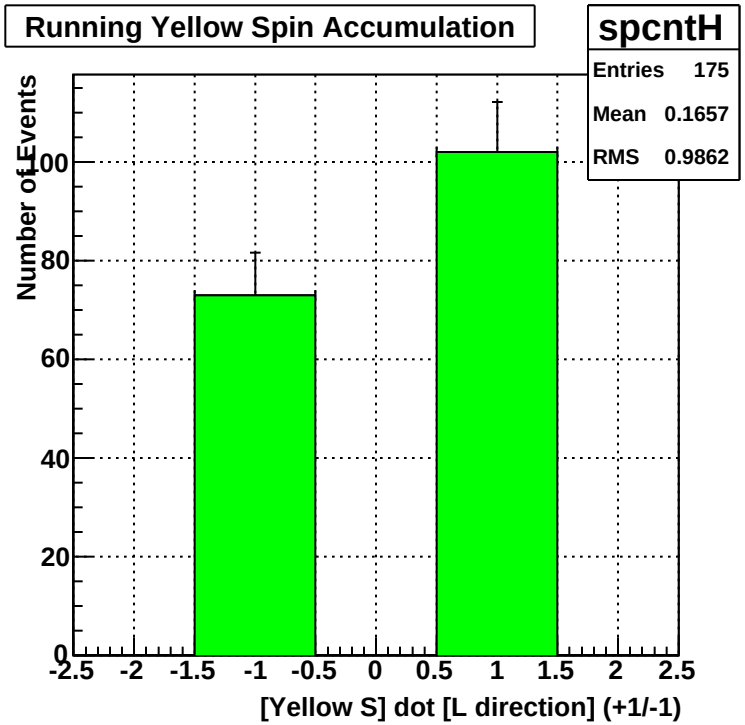
175) Rnum=7122070 EventN=1801913 (3 Yu-S[-])

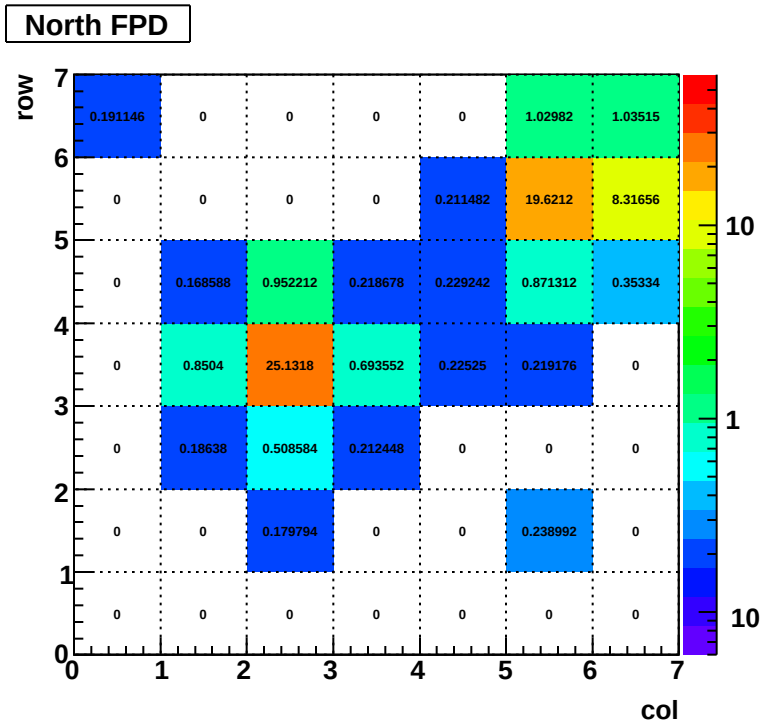
(1) Energy=32.282017 Y=-3.694679 Phi=3.132349

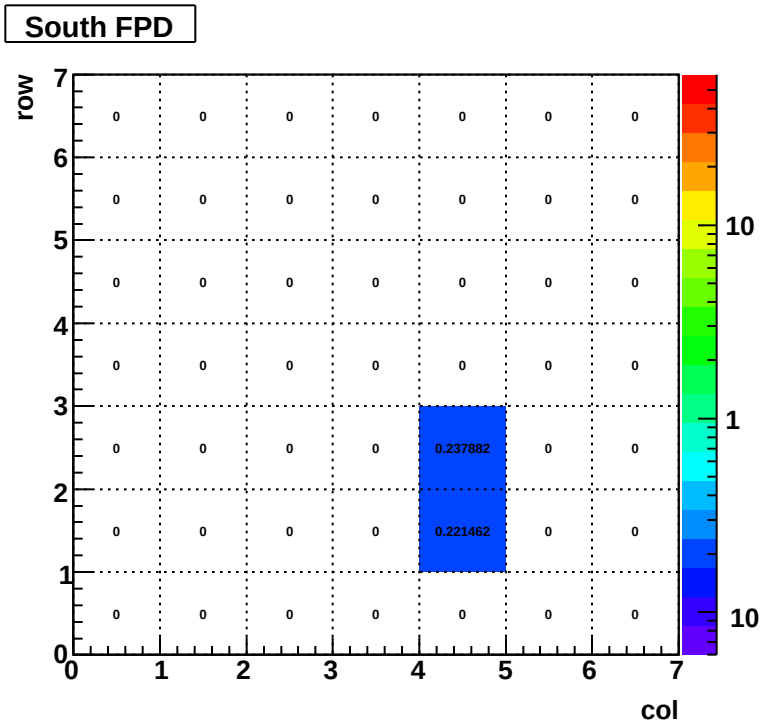
(2) Energy=29.232693 Y=-3.405288 Phi=-3.005896

M12=0.572 Y12=-3.549 Phi12=-3.072 E12=61.515

SumN(-) = 73 SumN(+)= 102 AN/.6=0.276







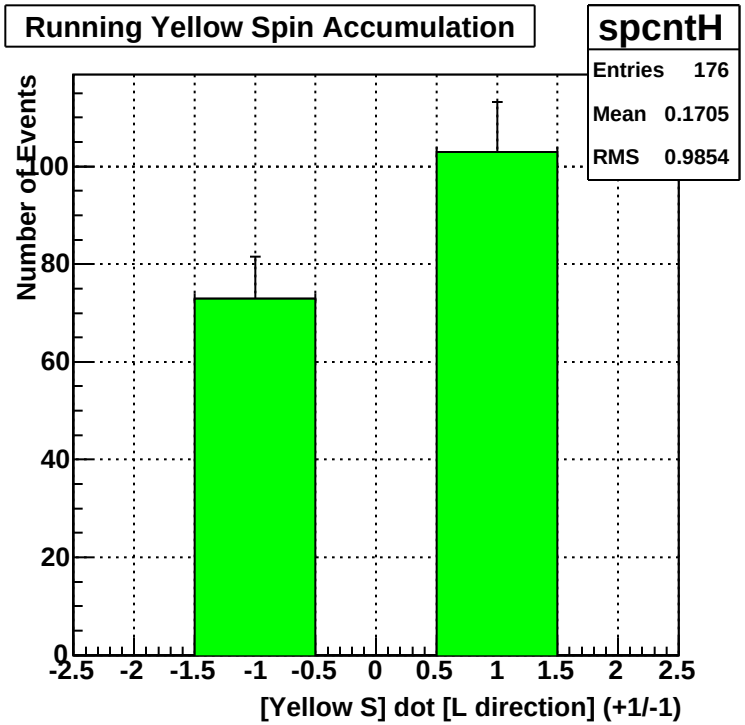
176) Rnum=7123011 EventN=4507116 (0 Yd-S[+])

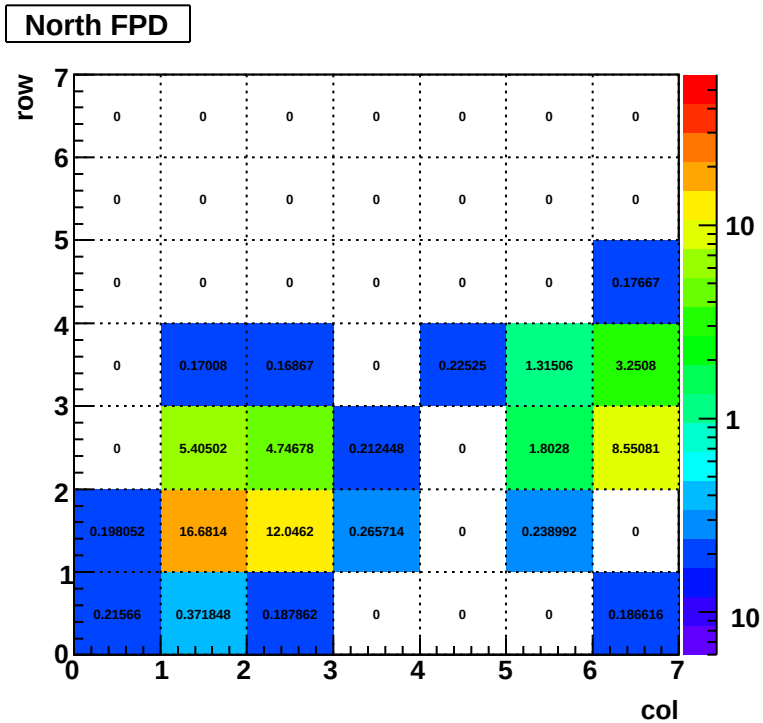
(1) Energy=42.797424 Y=-3.730659 Phi=2.968098

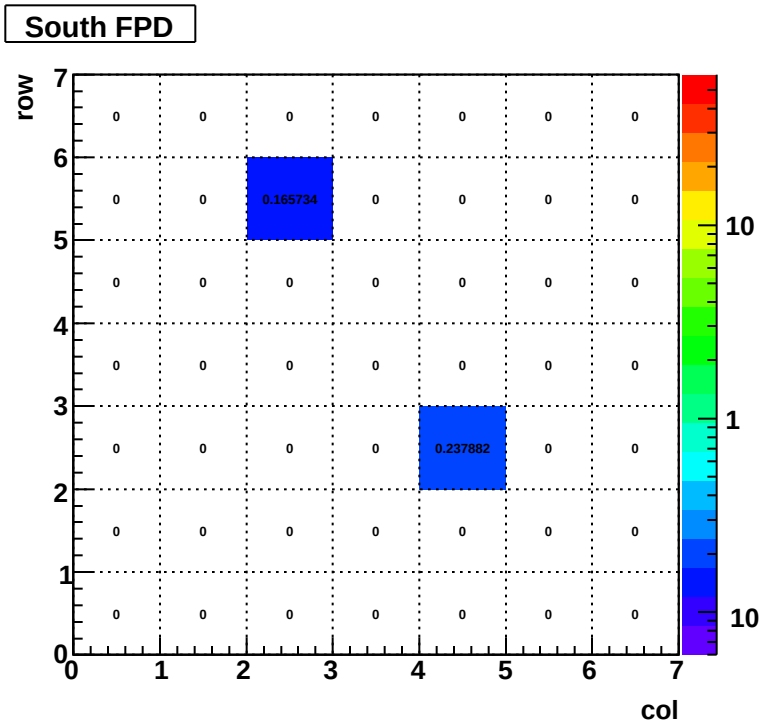
(2) Energy=18.138577 Y=-3.394609 Phi=3.089560

M12=0.566 Y12=-3.620 Phi12=3.013 E12=60.936

SumN(-) = 73 SumN(+)= 103 AN/.6=0.284







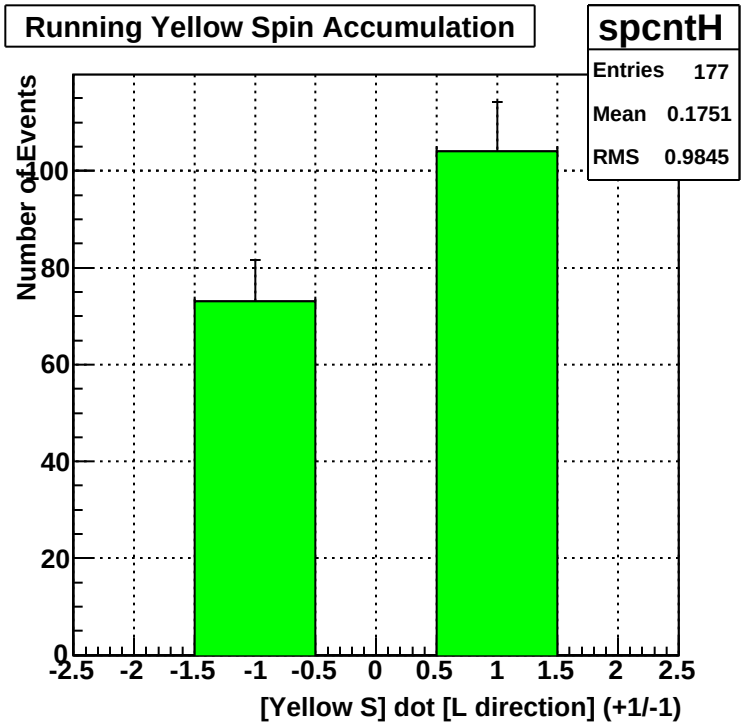
177) Rnum=7123011 EventN=608595 (3 Yu-N[+])

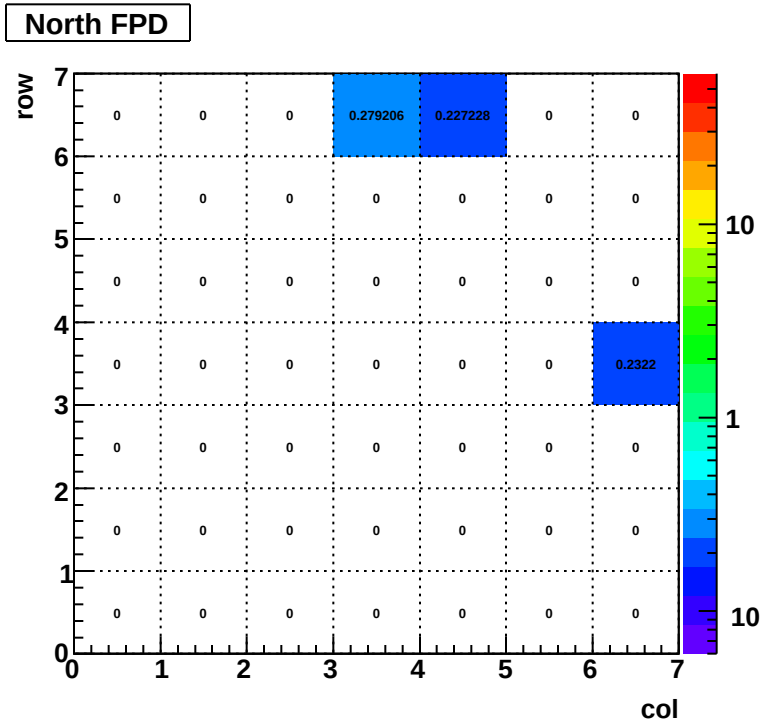
(1) Energy=49.320492 Y=-3.695346 Phi=-0.195043

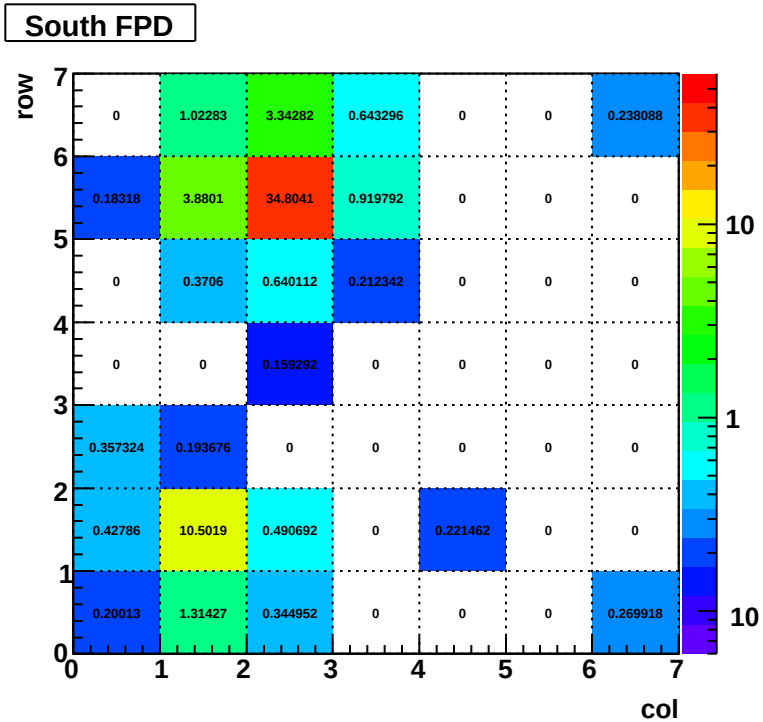
(2) Energy=14.535724 Y=-3.761554 Phi=0.244785

M12=0.568 Y12=-3.726 Phi12=-0.101 E12=63.856

SumN(-) = 73 SumN(+)= 104 AN/.6=0.292







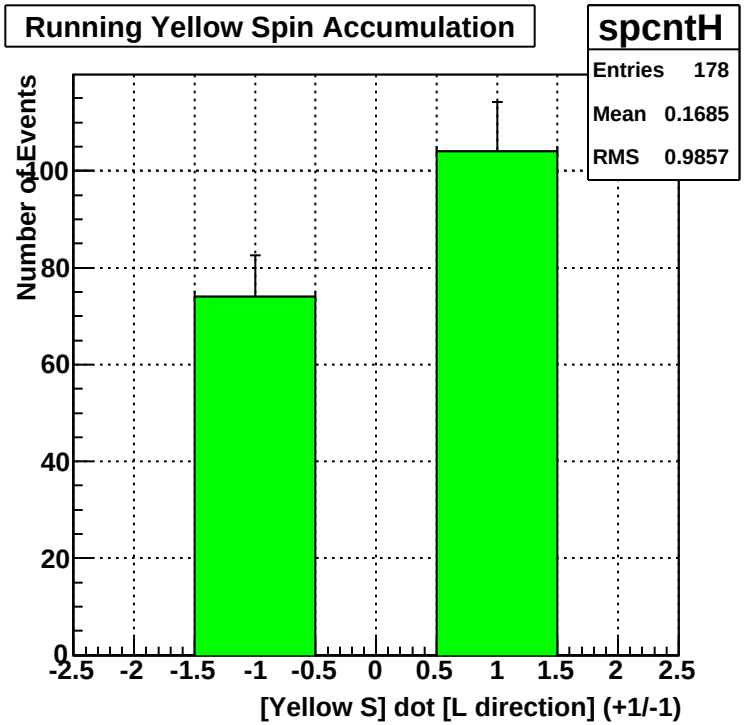
178) Rnum=7123014 EventN=4104596 (2 Yd-N[-])

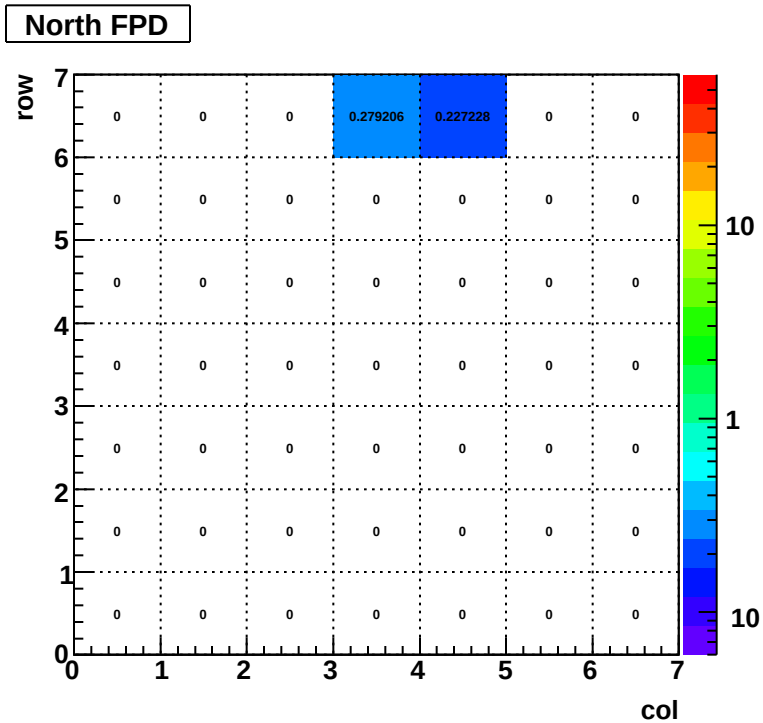
(1) Energy=34.616360 Y=-3.713871 Phi=-0.263353

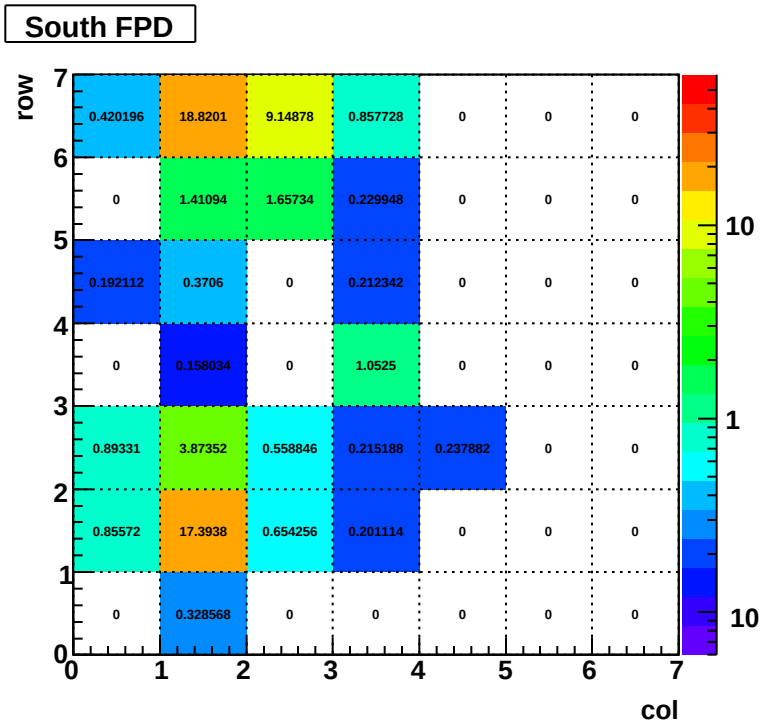
(2) Energy=26.208773 Y=-3.782821 Phi=0.187768

M12=0.642 Y12=-3.768 Phi12=-0.077 E12=60.825

SumN(-) = 74 SumN(+)= 104 AN/.6=0.281







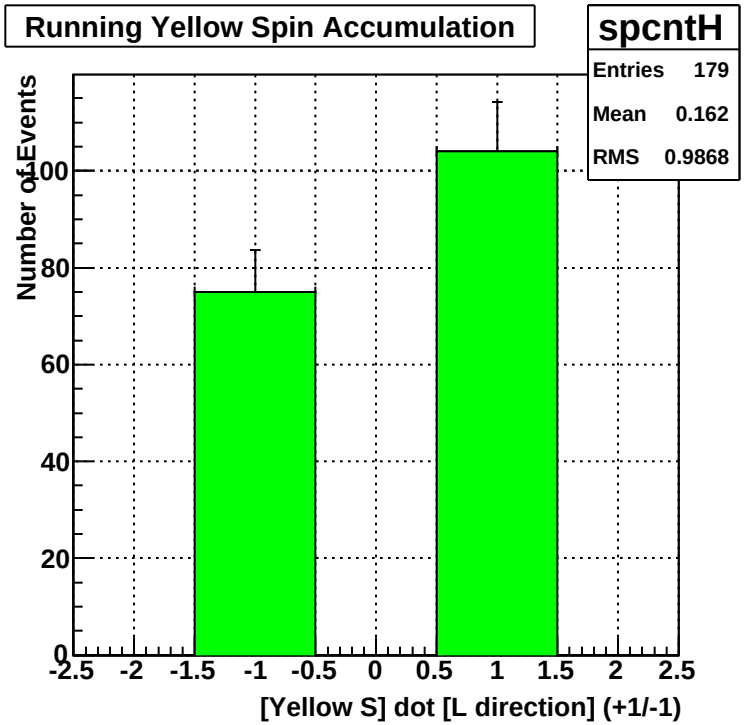
179) Rnum=7123014 EventN=7809936 (0 Yd-N[-])

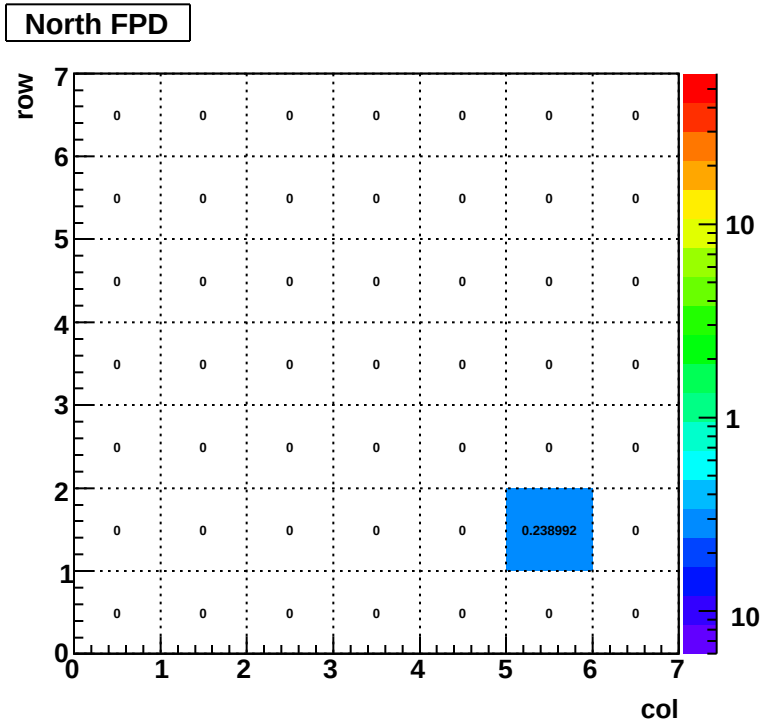
(1) Energy=36.013840 Y=-3.819331 Phi=0.089462

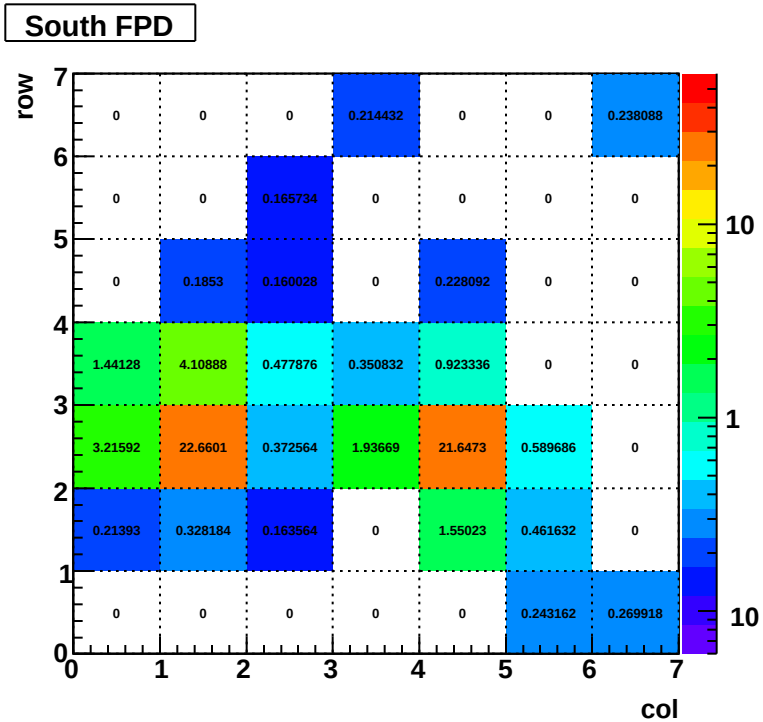
(2) Energy=27.355724 Y=-3.529167 Phi=0.101252

M12=0.464 Y12=-3.684 Phi12=0.095 E12=63.370

SumN(-) = 75 SumN(+)= 104 AN/.6=0.270







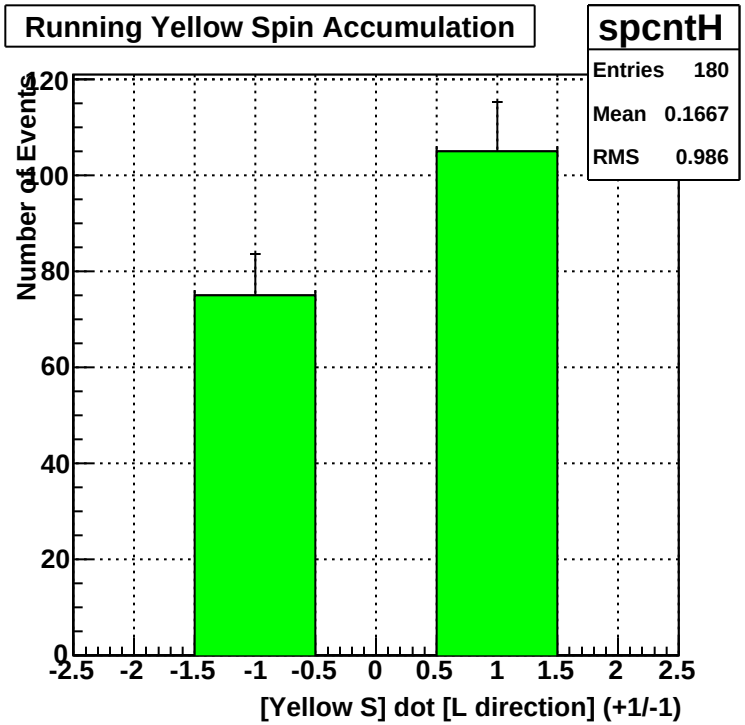
180) Rnum=7123015 EventN=5903805 (2 Yd-S[+])

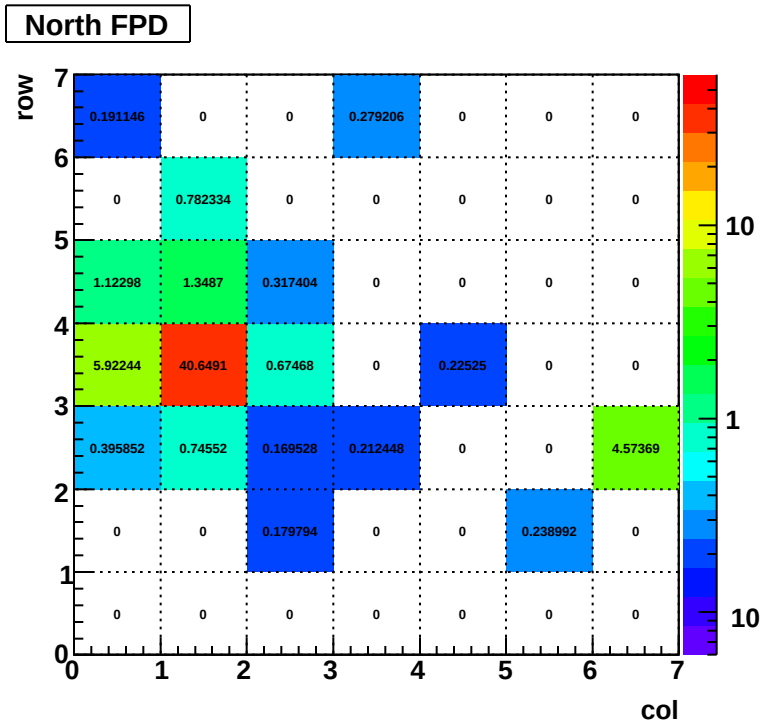
(1) Energy=54.120190 Y=-3.823679 Phi=3.132453

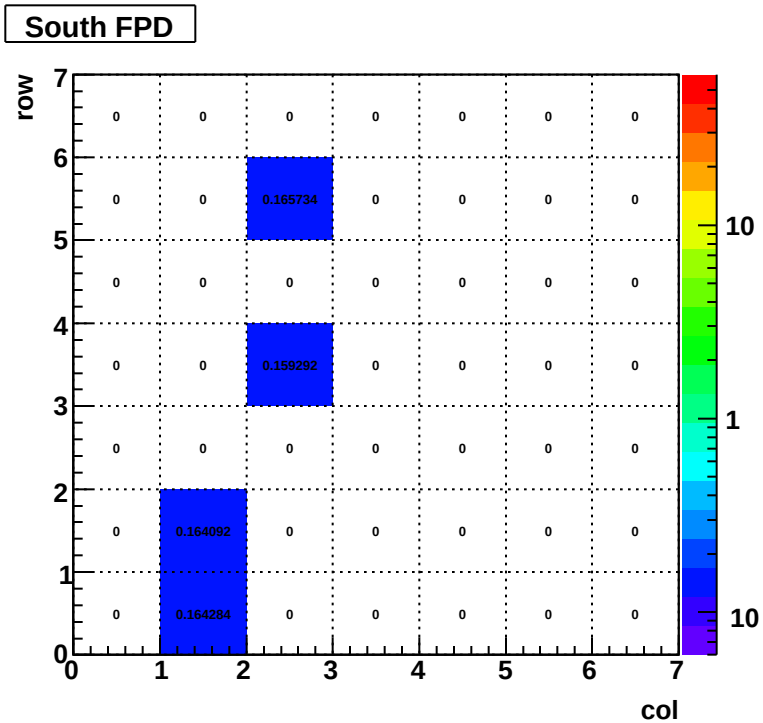
(2) Energy=6.270819 Y=-3.371273 Phi=3.062877

M12=0.466 Y12=-3.766 Phi12=3.122 E12=60.391

SumN(-) = 75 SumN(+)= 105 AN/.6=0.278







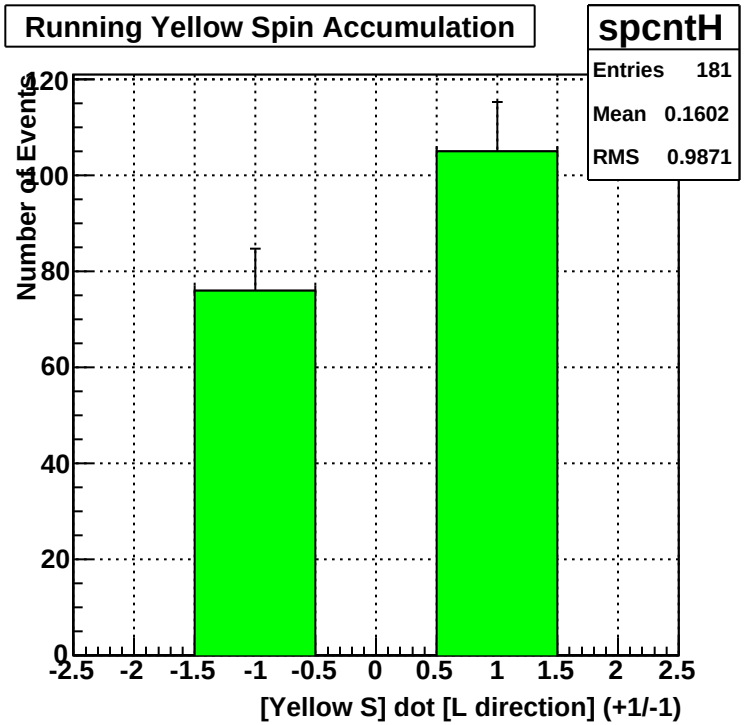
181) Rnum=7123015 EventN=7507958 (1 Yu-S[-])

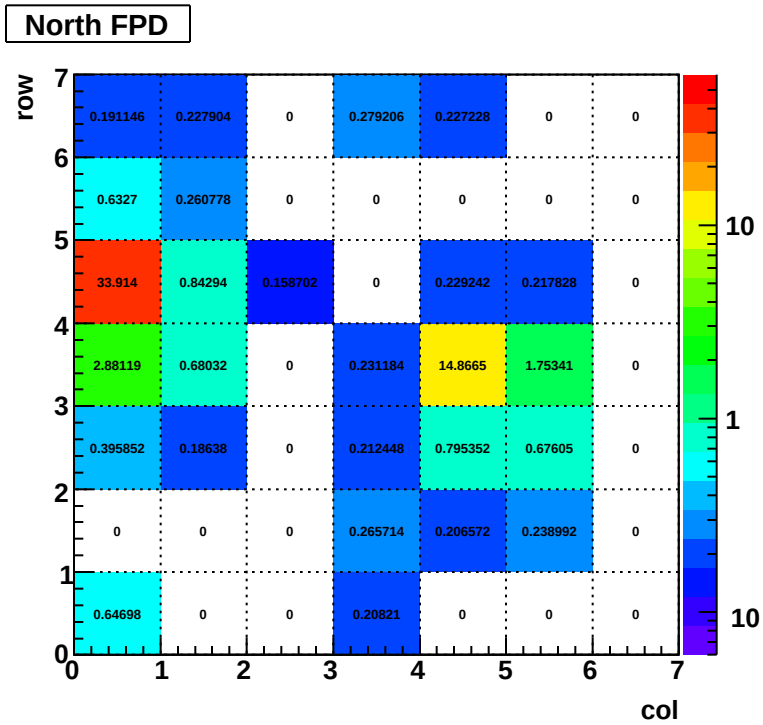
(1) Energy=43.106339 Y=-3.918410 Phi=-3.062716

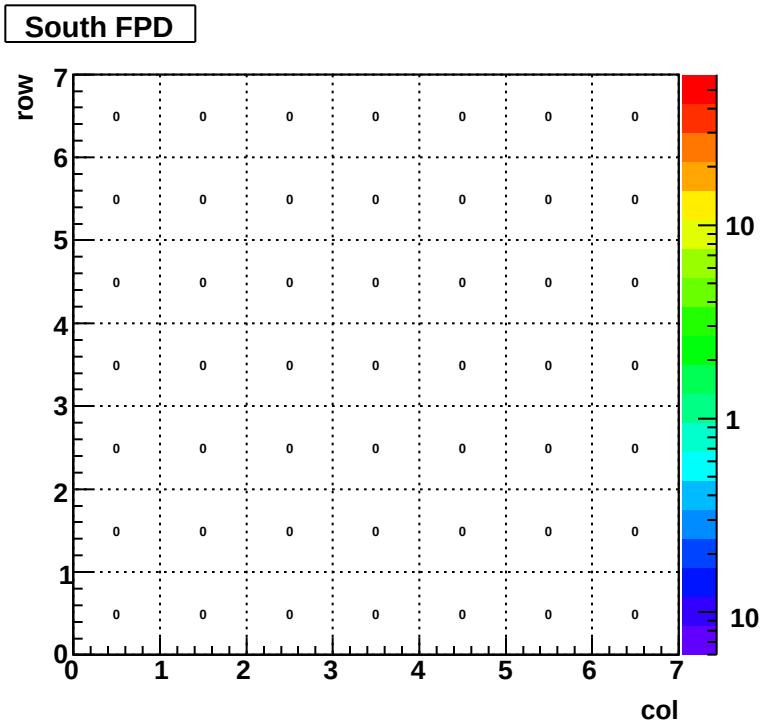
(2) Energy=19.541866 Y=-3.502630 Phi=3.120815

M12=0.611 Y12=-3.771 Phi12=-3.103 E12=62.648

SumN(-) = 76 SumN(+)= 105 AN/.6=0.267







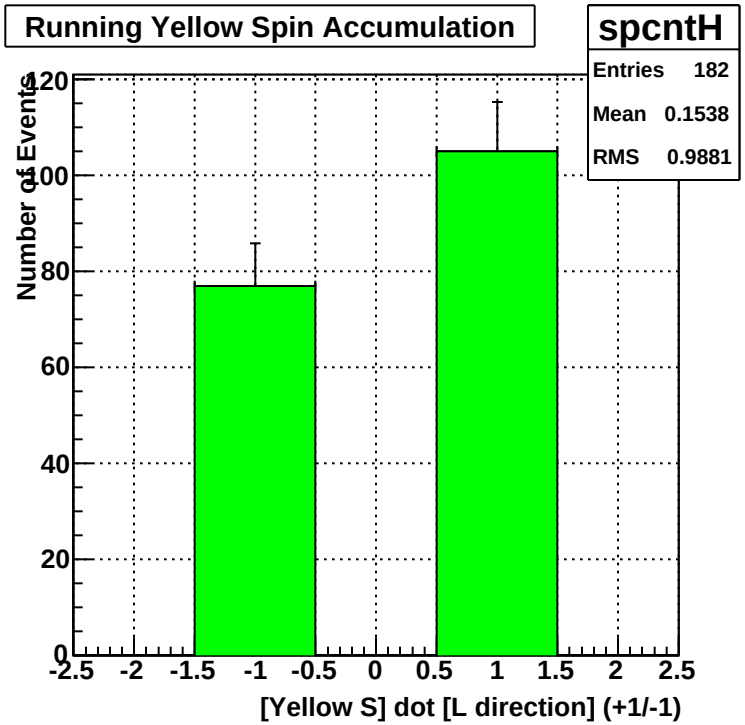
182) Rnum=7123016 EventN=607066 (2 Yd-N[-])

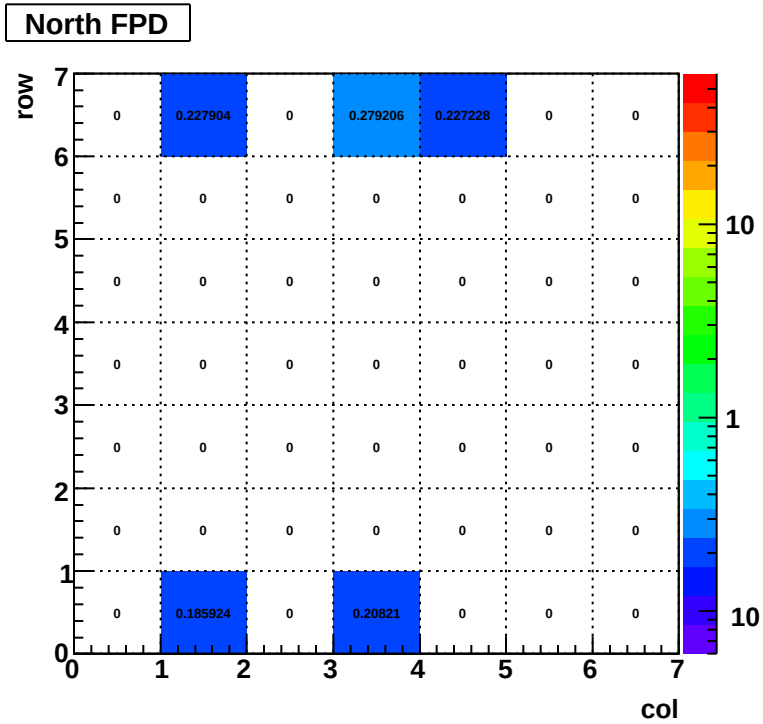
(1) Energy=46.809776 Y=-3.708179 Phi=-0.174662

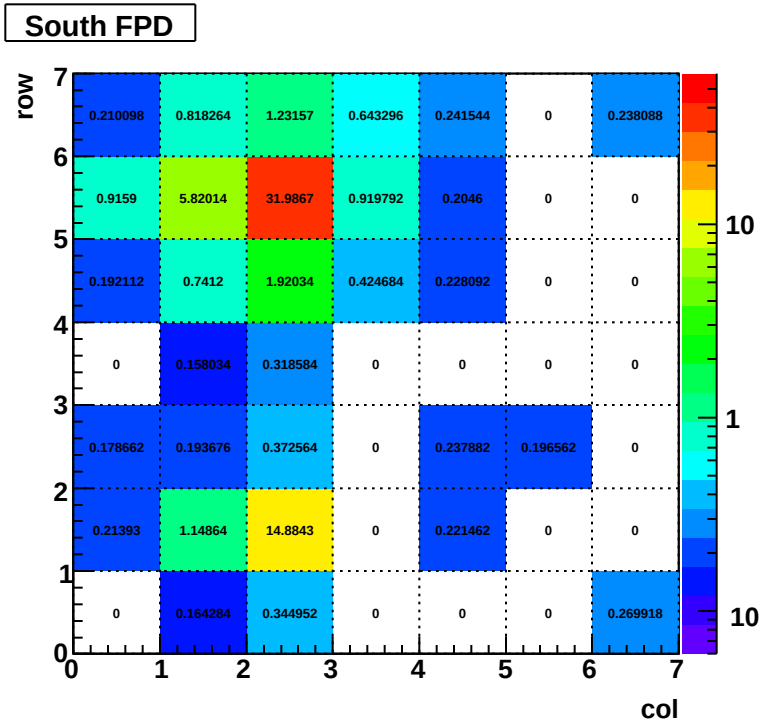
(2) Energy=19.087366 Y=-3.688051 Phi=0.202818

M12=0.556 Y12=-3.717 Phi12=-0.065 E12=65.897

SumN(-) = 77 SumN(+)= 105 AN/.6=0.256







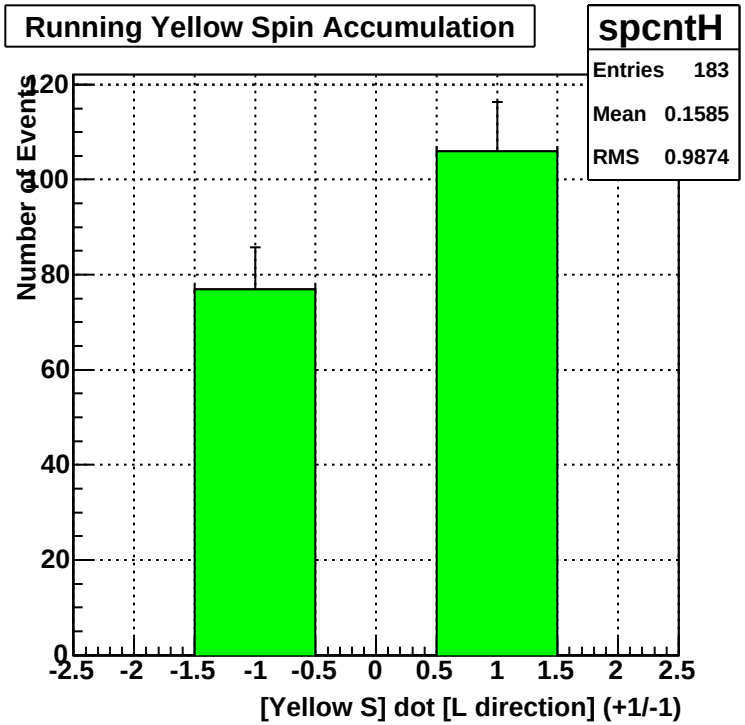
183) Rnum=7123019 EventN=3804051 (1 Yu-N[+])

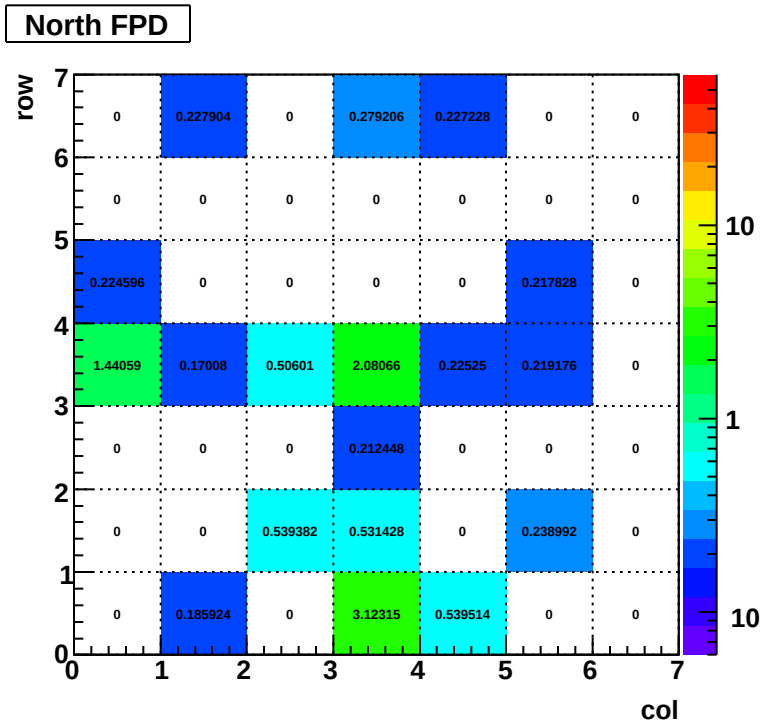
(1) Energy=47.382965 Y=-3.515858 Phi=0.027853

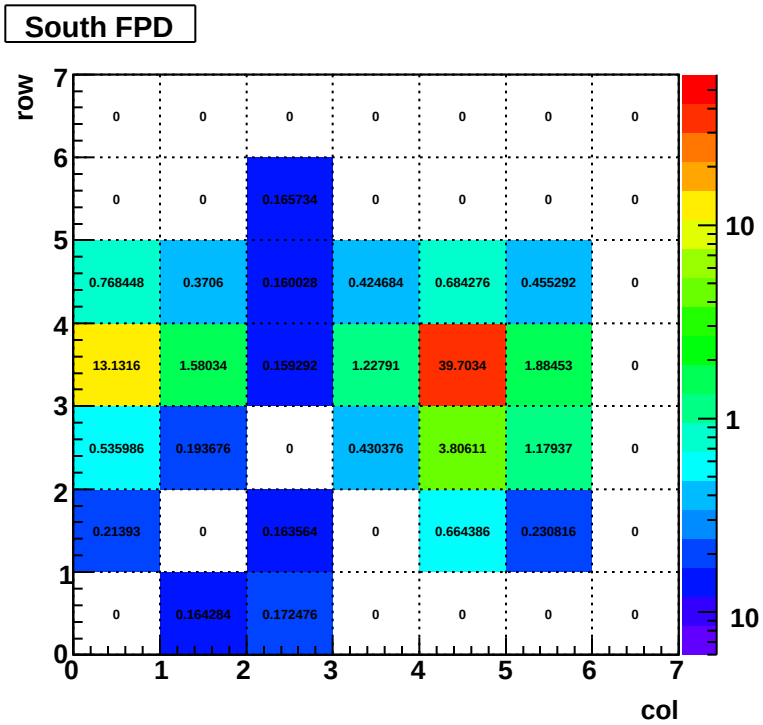
(2) Energy=18.509544 Y=-3.877956 Phi=0.009841

M12=0.535 Y12=-3.605 Phi12=0.024 E12=65.893

SumN(-) = 77 SumN(+)= 106 AN/.6=0.264







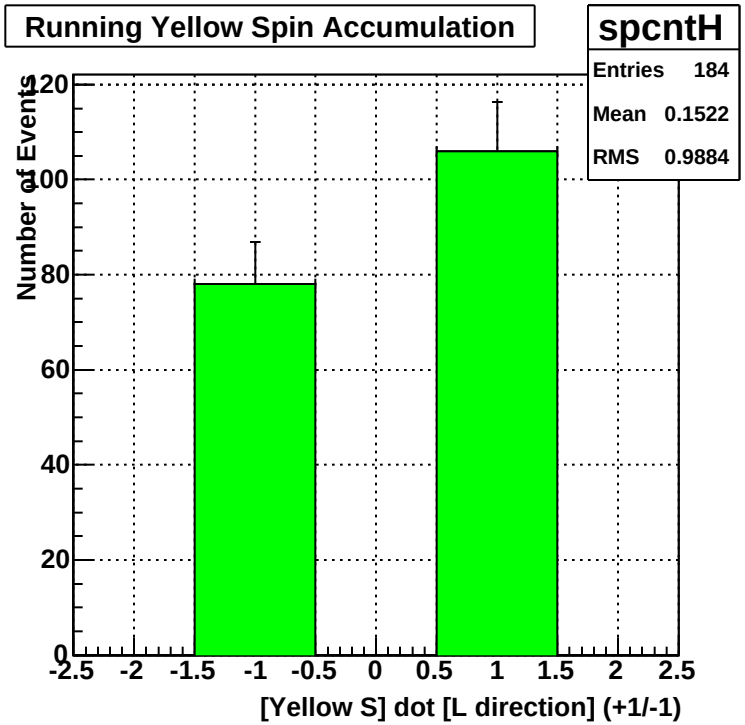
184) Rnum=7123020 EventN=603817 (3 Yu-S[-])

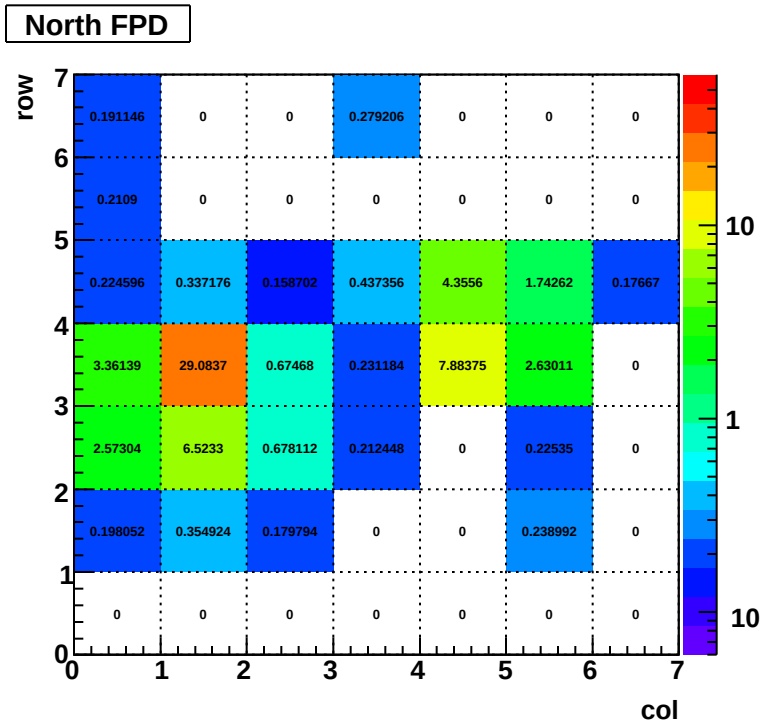
(1) Energy=44.690445 Y=-3.820409 Phi=3.087674

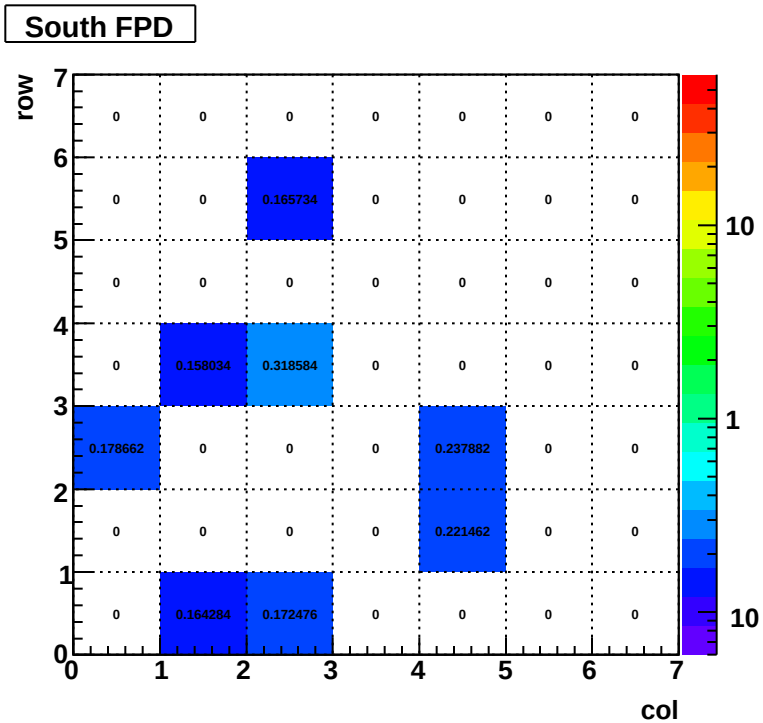
(2) Energy=17.712700 Y=-3.490352 Phi=-3.117967

M12=0.495 Y12=-3.716 Phi12=3.115 E12=62.403

SumN(-) = 78 SumN(+)= 106 AN/.6=0.254







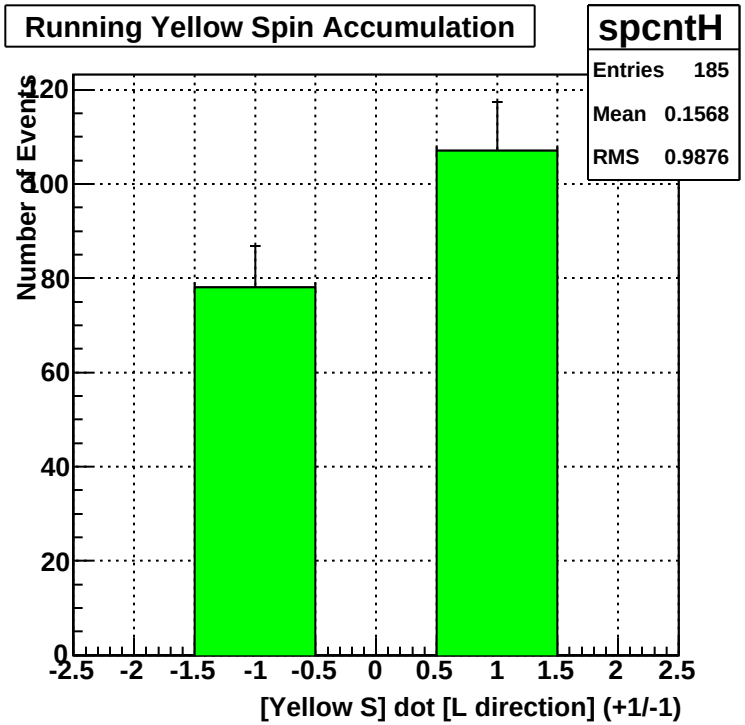
185) Rnum=7123022 EventN=3909867 (1 Yu-N[+])

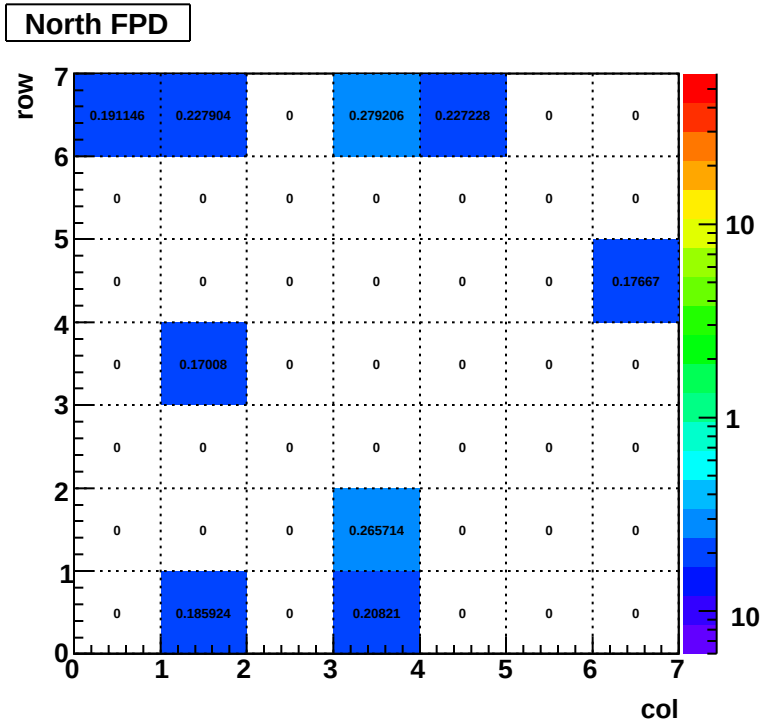
(1) Energy=39.966324 Y=-3.650158 Phi=0.201829

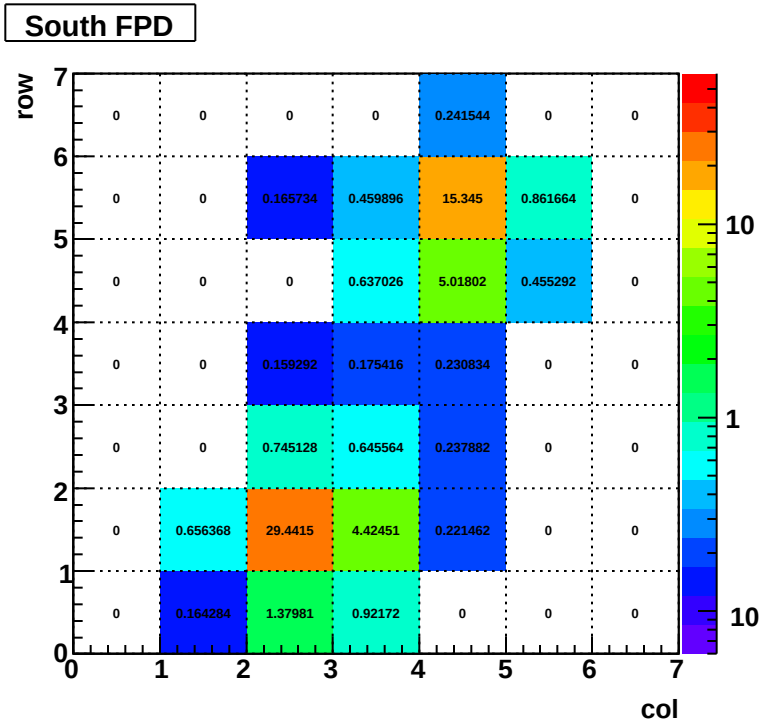
(2) Energy=23.583651 Y=-3.512259 Phi=-0.115499

M12=0.589 Y12=-3.609 Phi12=0.074 E12=63.550

SumN(-) = 78 SumN(+)= 107 AN/.6=0.261







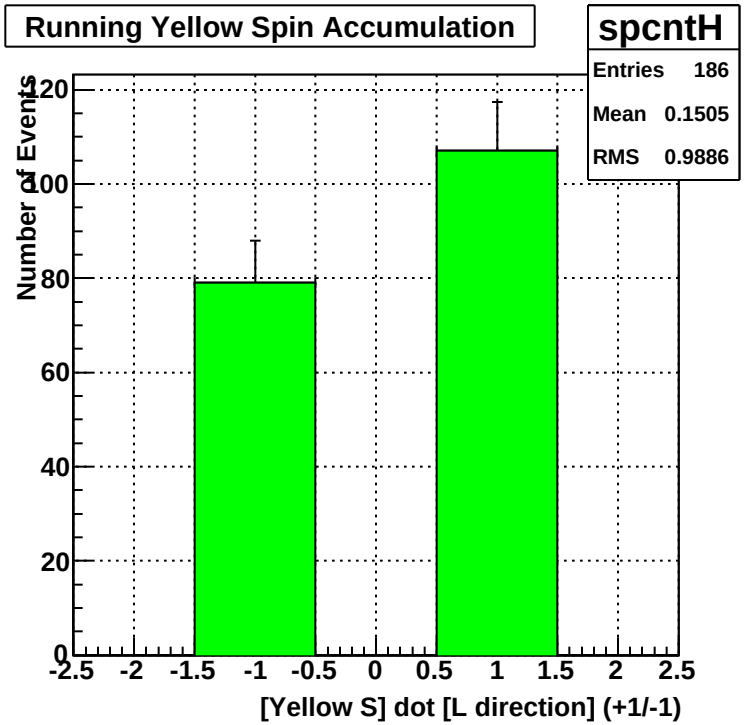
186) Rnum=7123022 EventN=109423 (1 Yu-S[-])

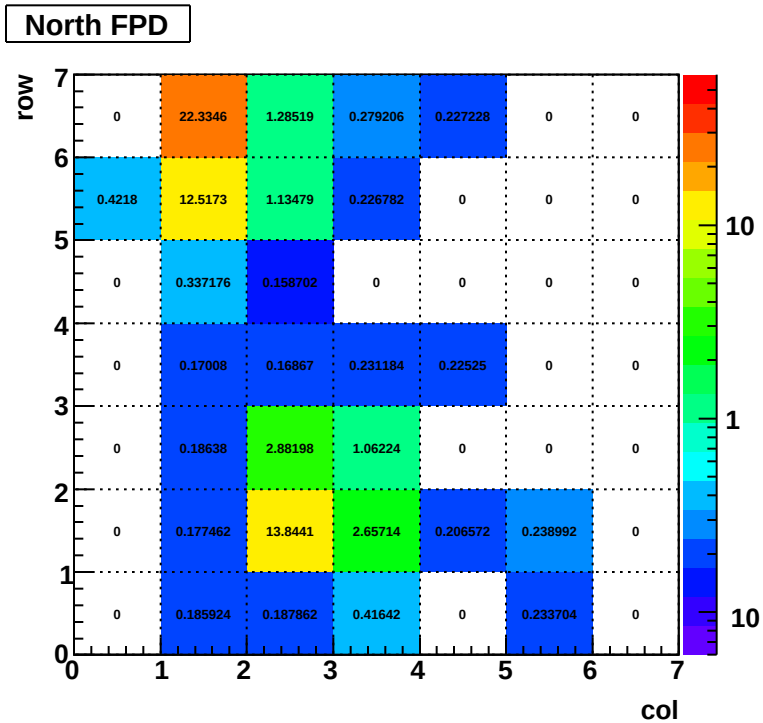
(1) Energy=39.736237 Y=-3.755247 Phi=-2.897241

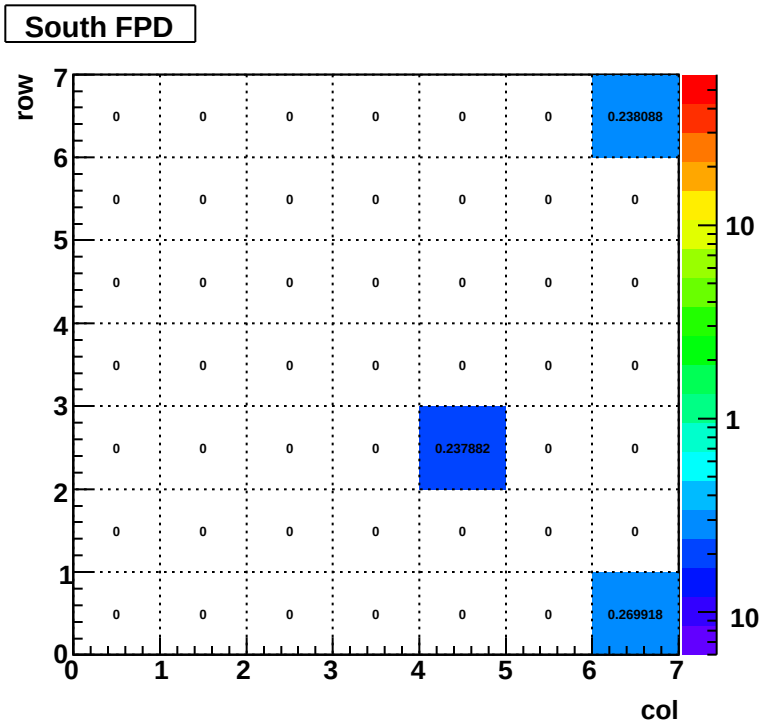
(2) Energy=22.069502 Y=-3.654872 Phi=2.975816

M12=0.611 Y12=-3.738 Phi12=-3.053 E12=61.806

SumN(-) = 79 SumN(+)= 107 AN/.6=0.251







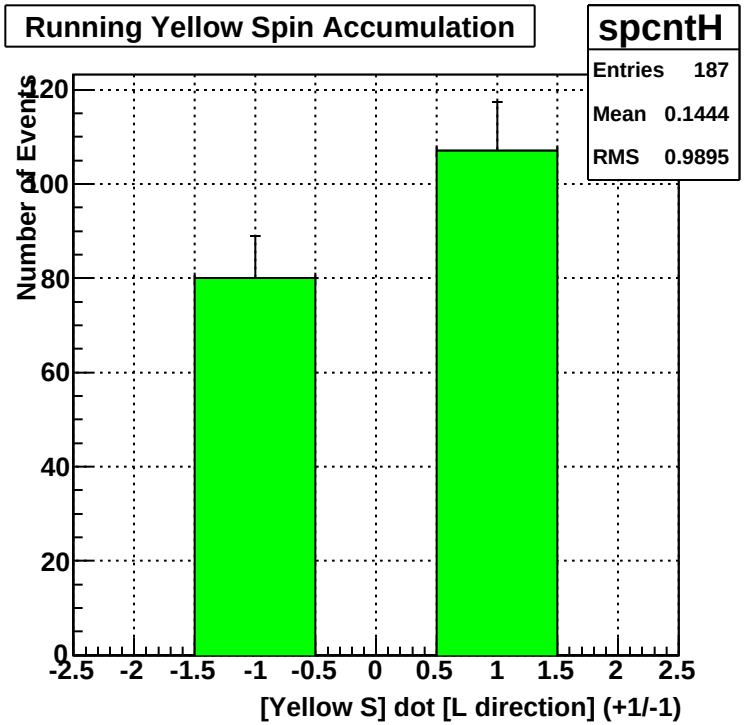
187) Rnum=7123030 EventN=505927 (0 Yd-N[-])

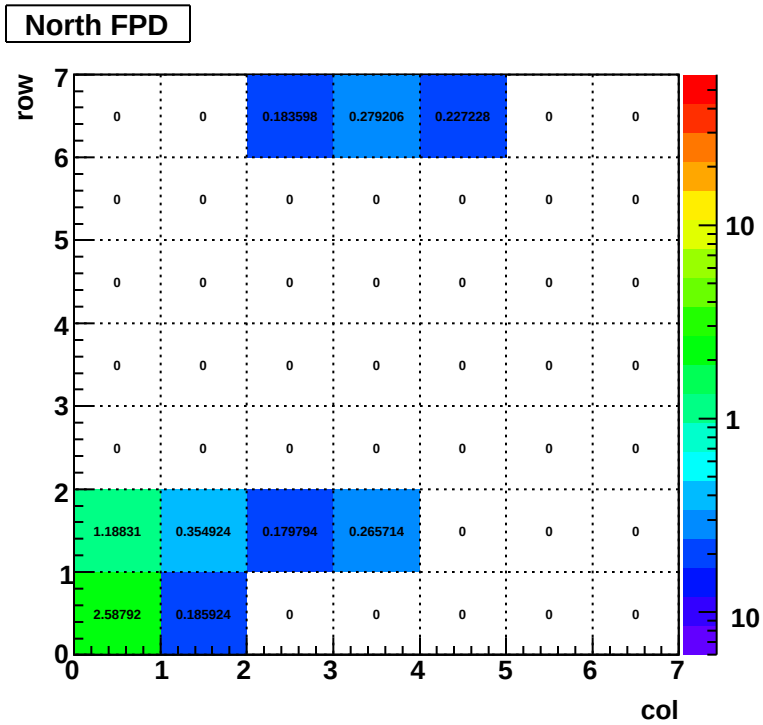
(1) Energy=34.825726 Y=-3.529662 Phi=-0.059793

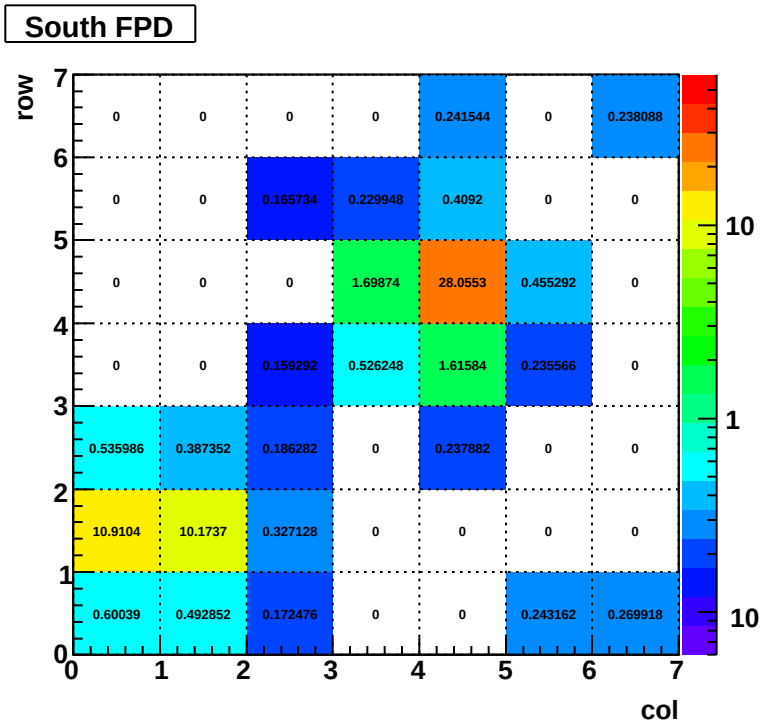
(2) Energy=25.249943 Y=-3.820724 Phi=0.235118

M12=0.622 Y12=-3.652 Phi12=0.044 E12=60.076

SumN(-) = 80 SumN(+)= 107 AN/.6=0.241







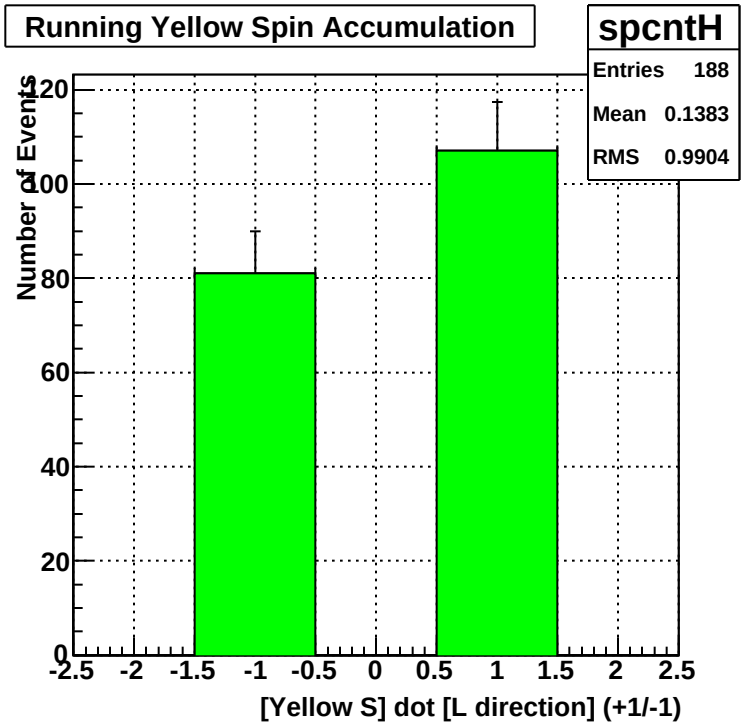
188) Rnum=7123068 EventN=706576 (0 Yd-N[-])

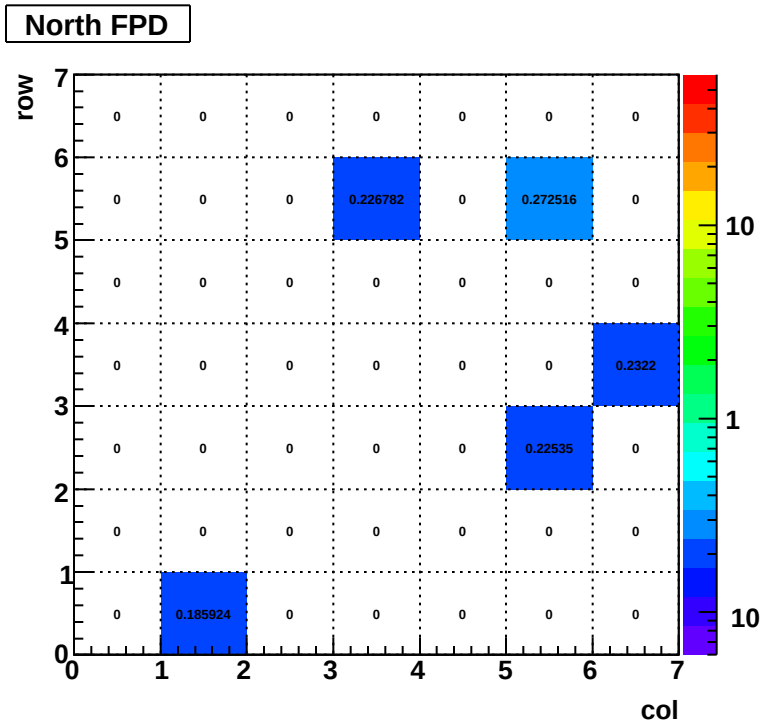
(1) Energy=49.230057 Y=-3.814763 Phi=0.095548

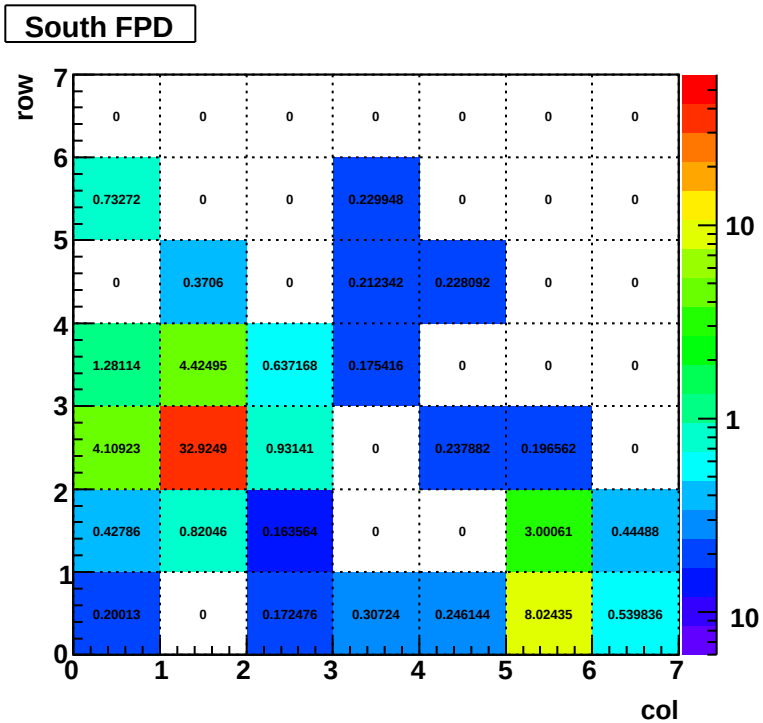
(2) Energy=13.364792 Y=-3.414560 Phi=0.197888

M12=0.574 Y12=-3.716 Phi12=0.125 E12=62.595

SumN(-) = 81 SumN(+)= 107 AN/.6=0.230







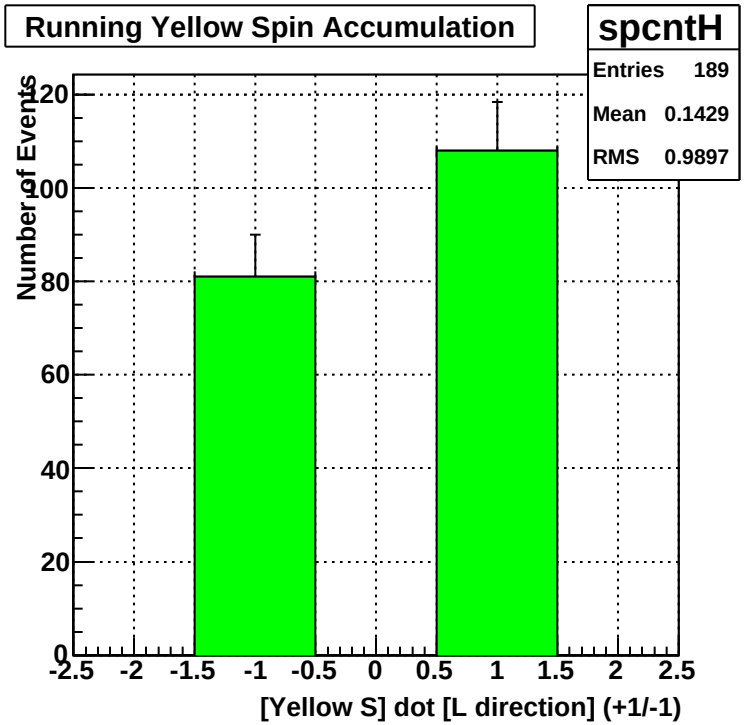
189) Rnum=7124002 EventN=502968 (1 Yu-N[+])

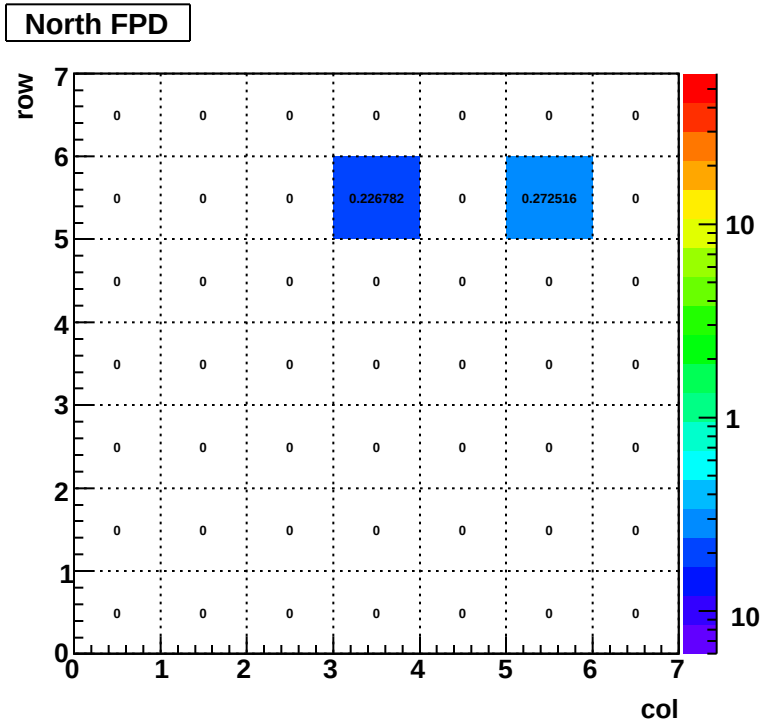
(1) Energy=38.599190 Y=-3.464684 Phi=0.061028

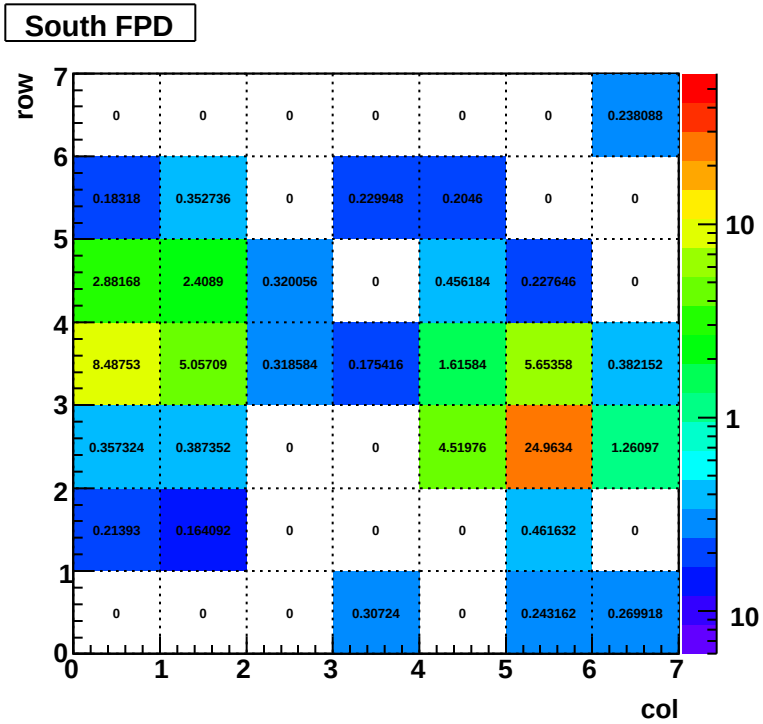
(2) Energy=21.496574 Y=-3.851588 Phi=-0.027899

M12=0.593 Y12=-3.587 Phi12=0.037 E12=60.096

SumN(-) = 81 SumN(+)= 108 AN/.6=0.238







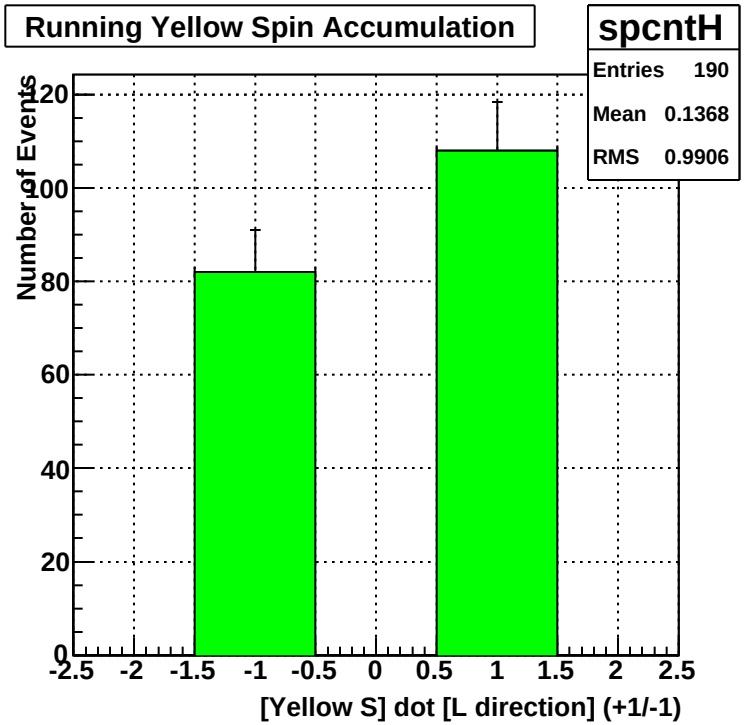
190) Rnum=7124002 EventN=1106684 (0 Yd-N[-])

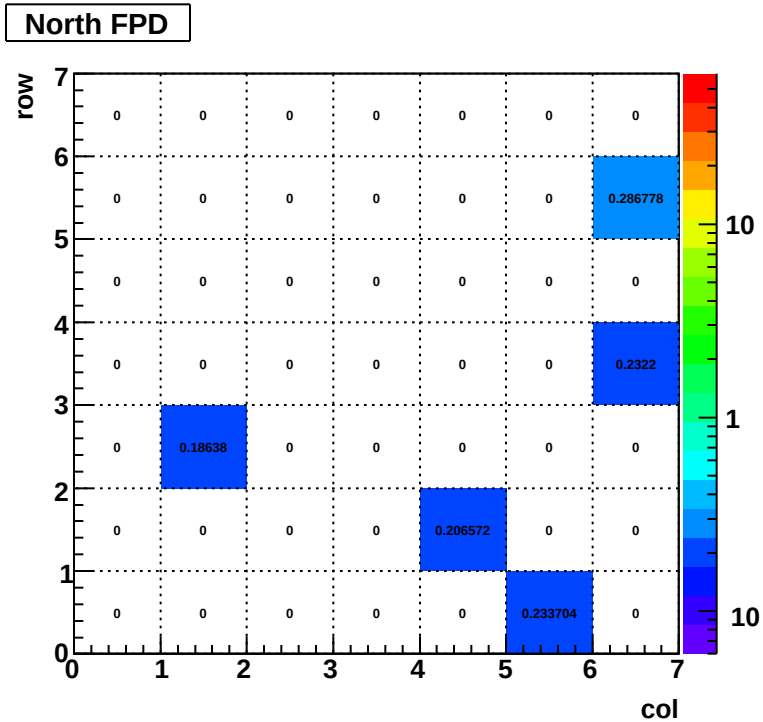
(1) Energy=46.117542 Y=-3.804462 Phi=0.163589

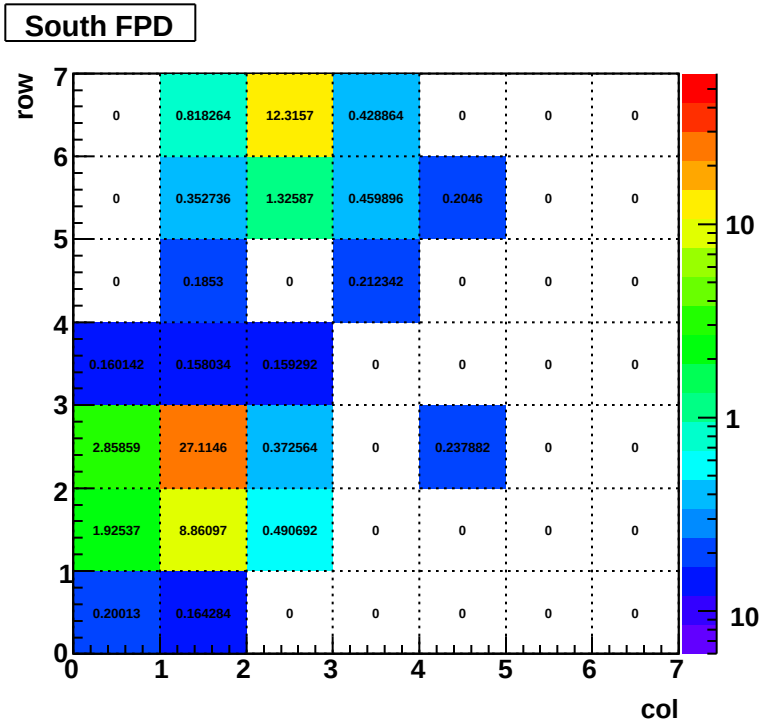
(2) Energy=17.265734 Y=-3.673327 Phi=-0.247301

M12=0.575 Y12=-3.785 Phi12=0.042 E12=63.383

SumN(-) = 82 SumN(+)= 108 AN/.6=0.228







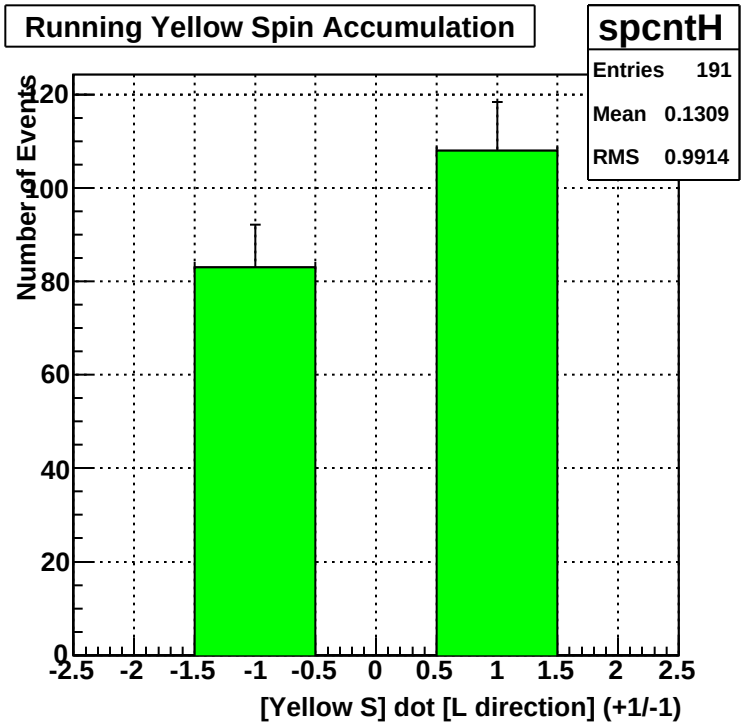
191) Rnum=7124013 EventN=4302145 (0 Yd-N[-])

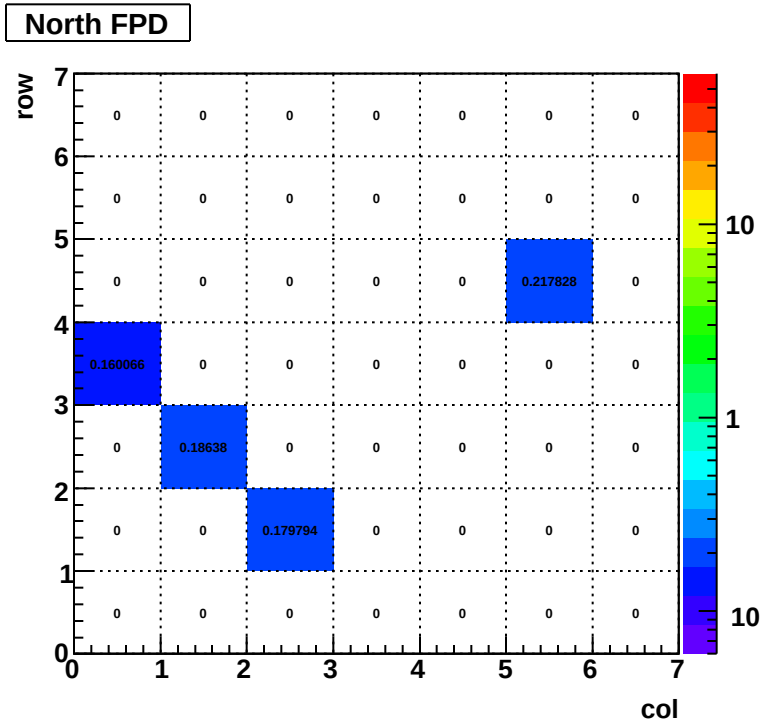
(1) Energy=33.041080 Y=-3.510004 Phi=-0.097338

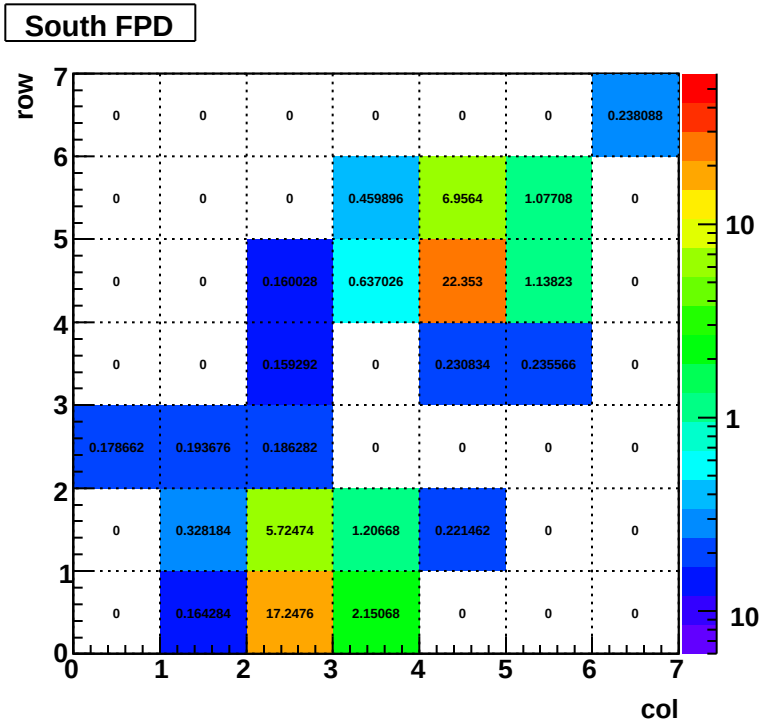
(2) Energy=29.340395 Y=-3.642945 Phi=0.250764

M12=0.646 Y12=-3.585 Phi12=0.055 E12=62.381

SumN(-) = 83 SumN(+)= 108 AN/.6=0.218







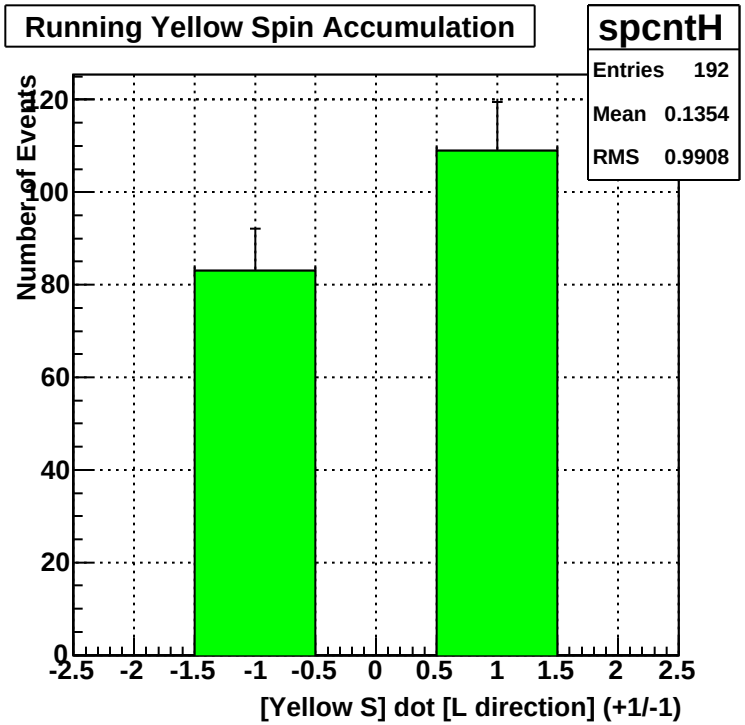
192) Rnum=7124013 EventN=304820 (0 Yd-S[+])

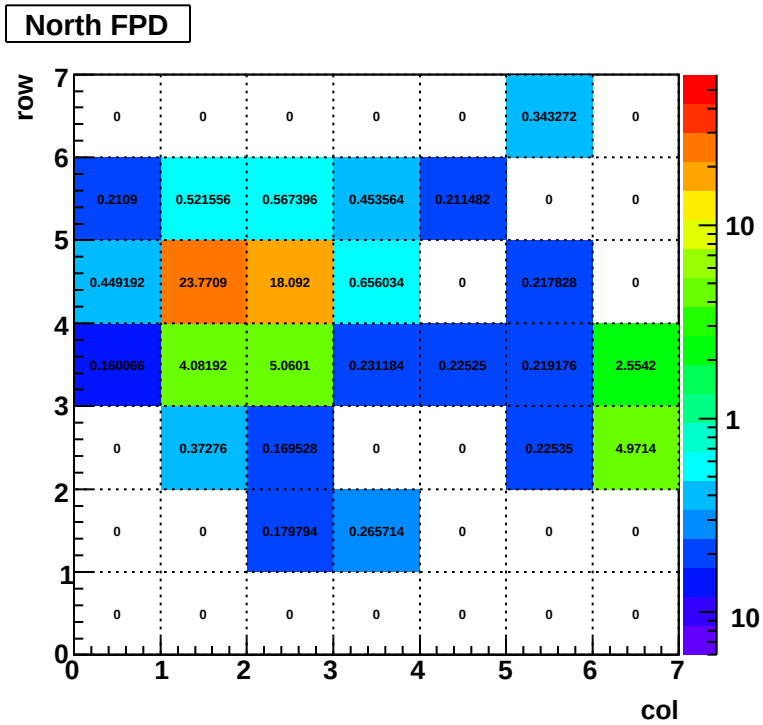
(1) Energy=57.436176 Y=-3.743484 Phi=-3.086718

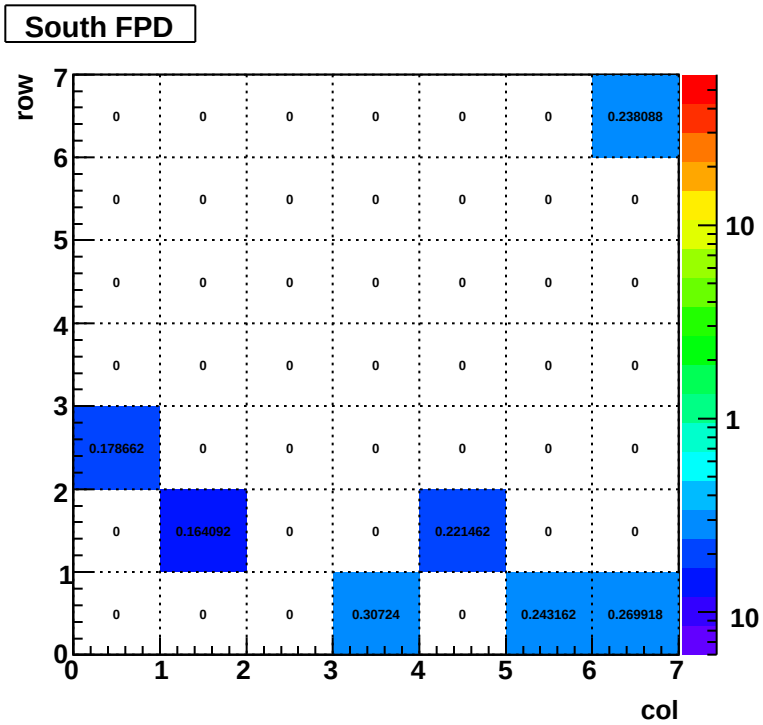
(2) Energy=10.289599 Y=-3.370133 Phi=3.092699

M12=0.540 Y12=-3.678 Phi12=-3.108 E12=67.726

SumN(-) = 83 SumN(+)= 109 AN/.6=0.226







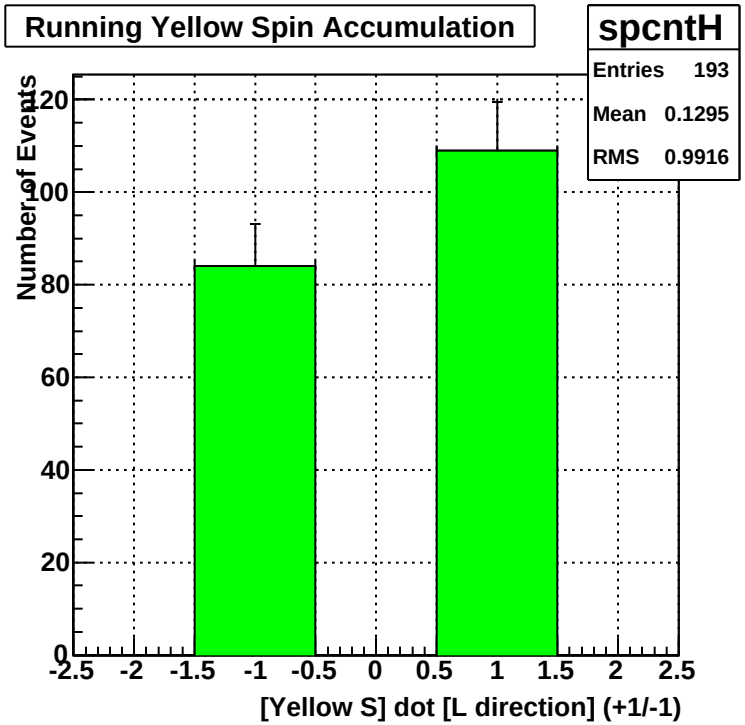
193) Rnum=7124013 EventN=1303301 (1 Yu-S[-])

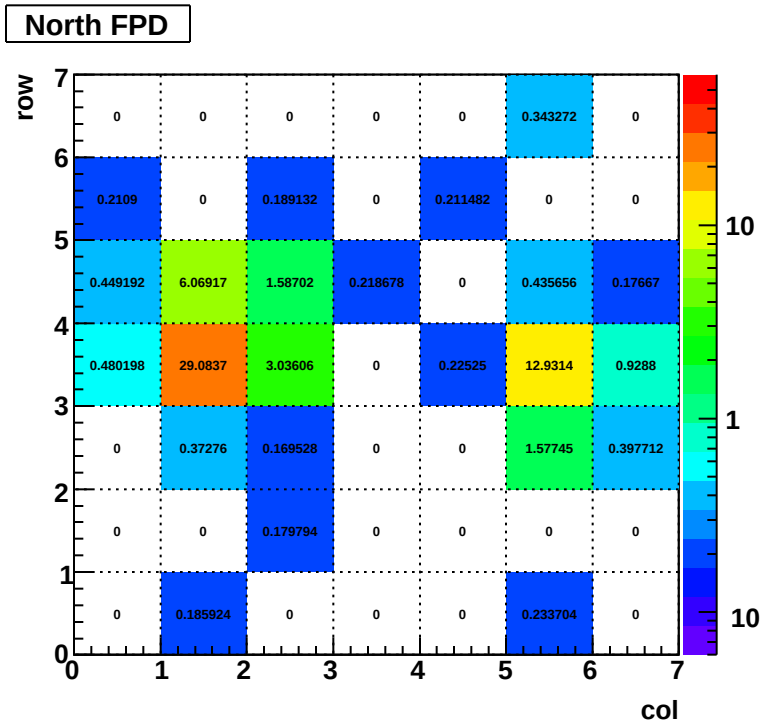
(1) Energy=43.291851 Y=-3.771022 Phi=-3.121866

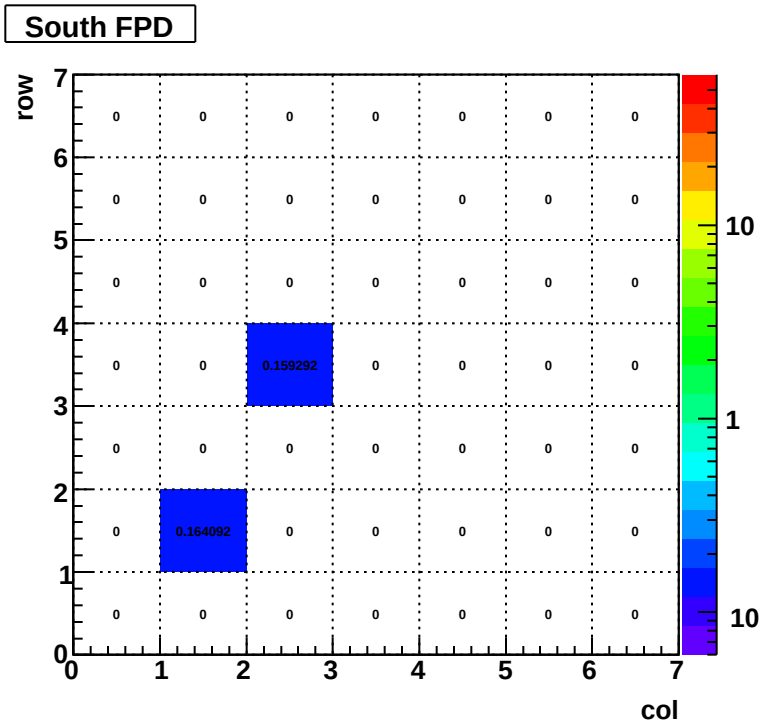
(2) Energy=17.564554 Y=-3.433397 Phi=3.114597

M12=0.514 Y12=-3.662 Phi12=-3.139 E12=60.856

SumN(-) = 84 SumN(+)= 109 AN/.6=0.216







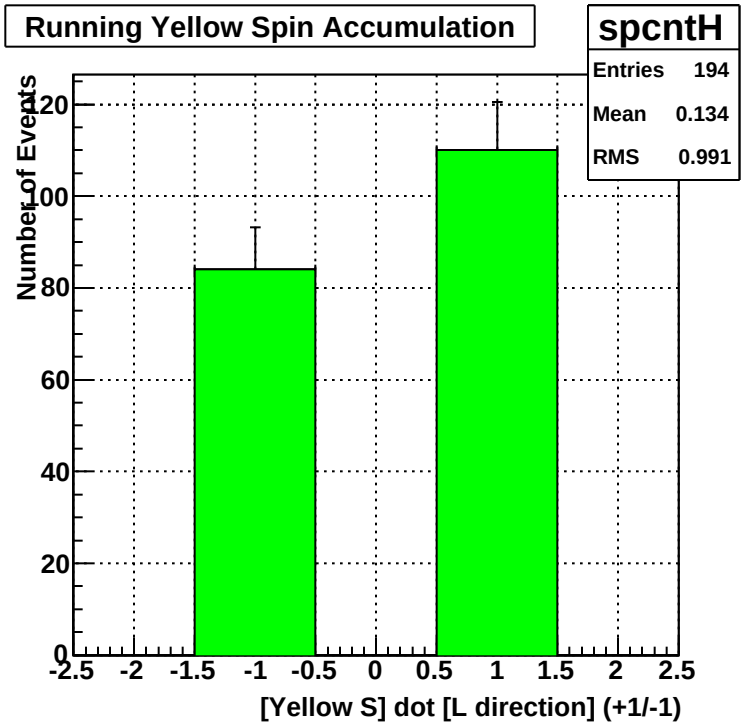
194) Rnum=7124013 EventN=1607543 (2 Yd-S[+])

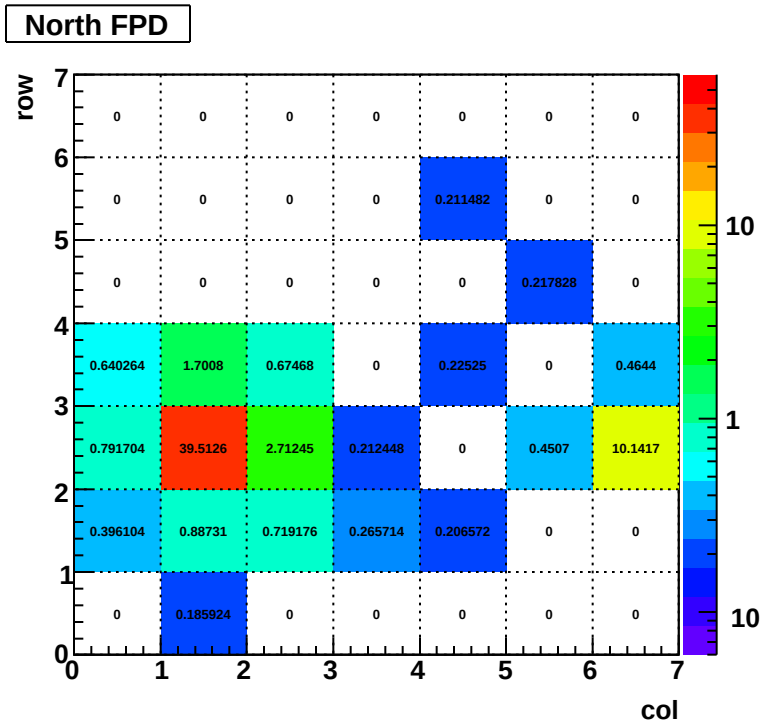
(1) Energy=50.361732 Y=-3.774095 Phi=3.029154

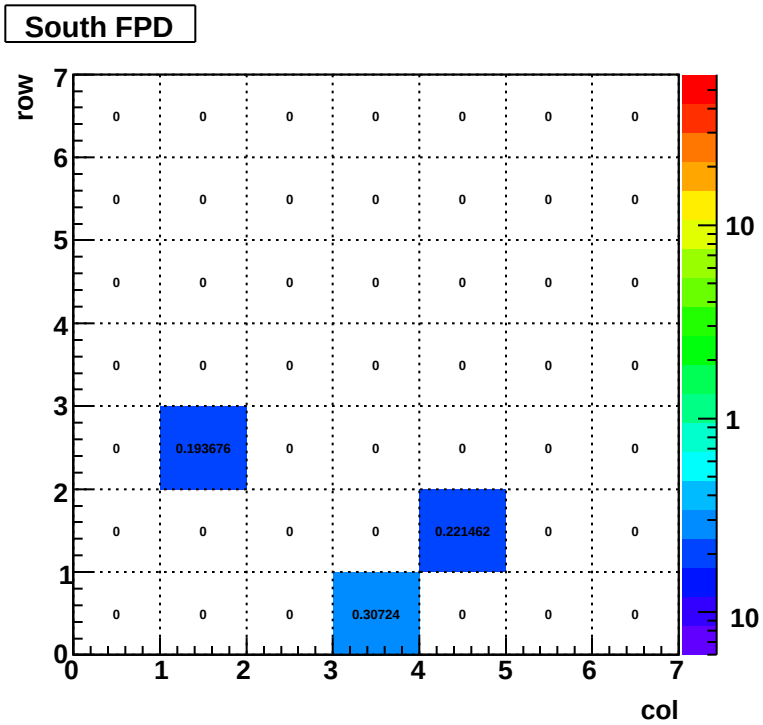
(2) Energy=14.964889 Y=-3.369563 Phi=3.062538

M12=0.630 Y12=-3.666 Phi12=3.039 E12=65.327

SumN(-) = 84 SumN(+)= 110 AN/.6=0.223







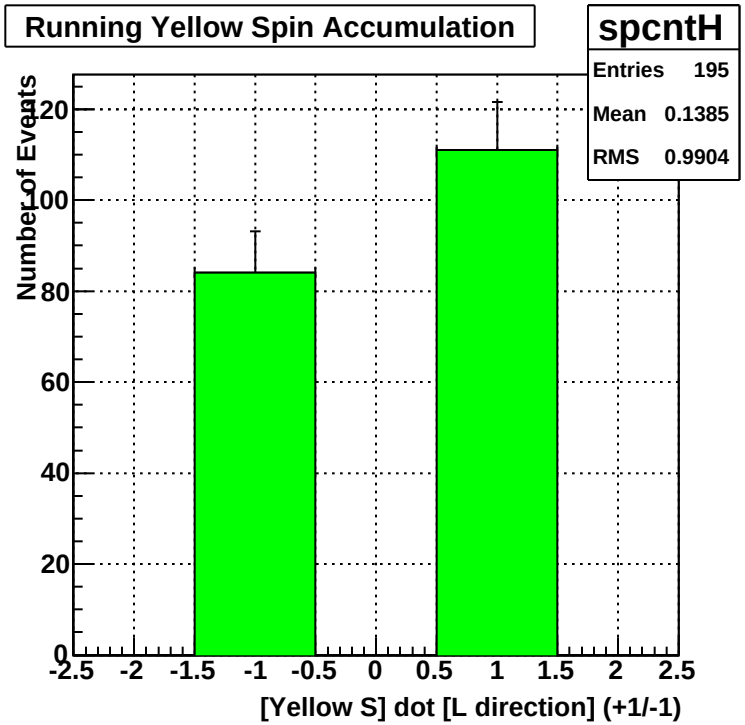
195) Rnum=7124016 EventN=708471 (2 Yd-S[+])

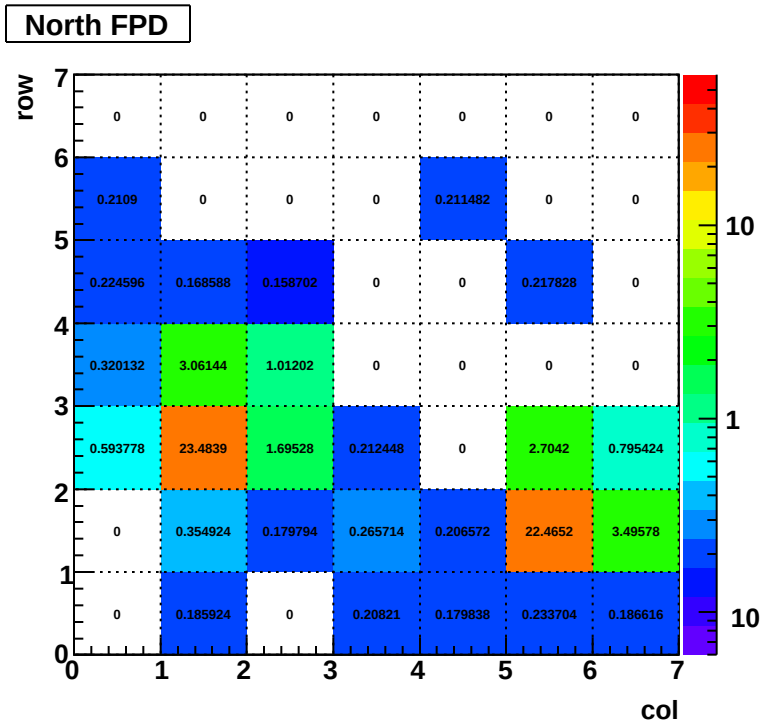
(1) Energy=31.960007 Y=-3.774459 Phi=3.049833

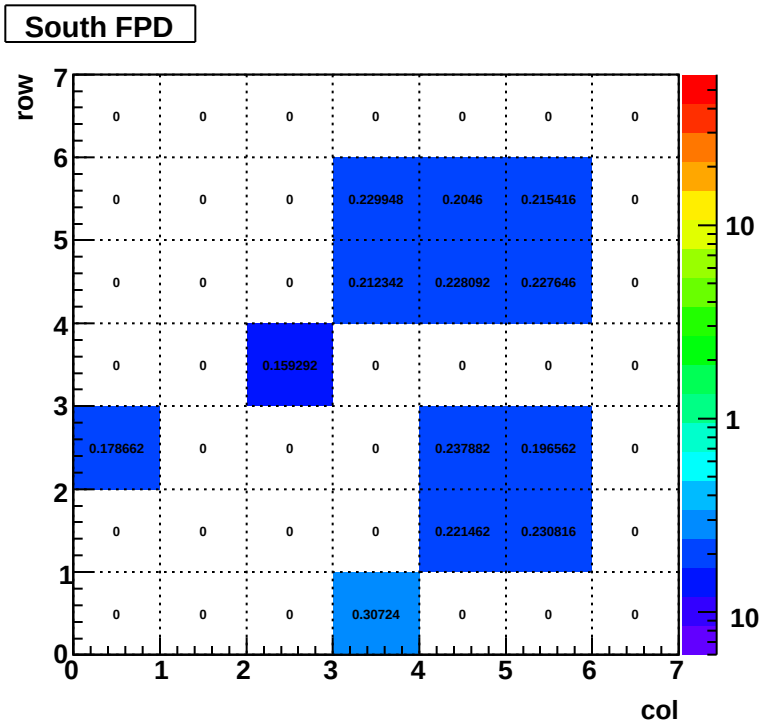
(2) Energy=28.880192 Y=-3.418367 Phi=3.004988

M12=0.601 Y12=-3.590 Phi12=3.025 E12=60.840

SumN(-) = 84 SumN(+)= 111 AN/.6=0.231







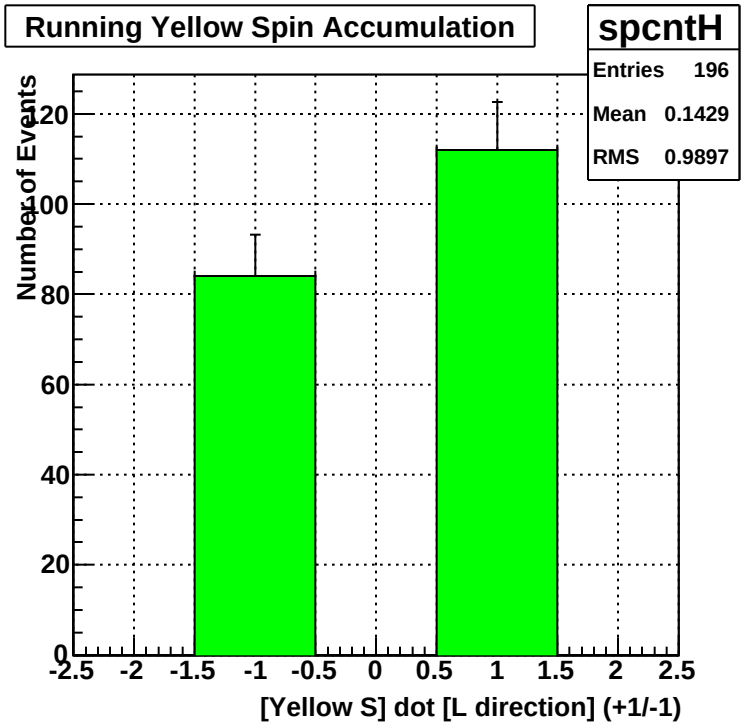
196) Rnum=7124017 EventN=103722 (0 Yd-S[+])

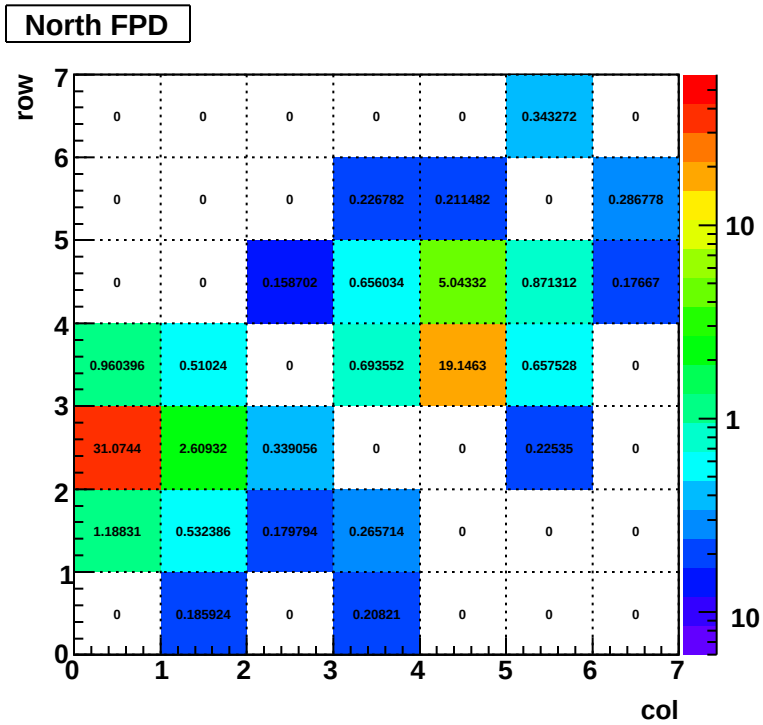
(1) Energy=40.568581 Y=-3.877996 Phi=3.008337

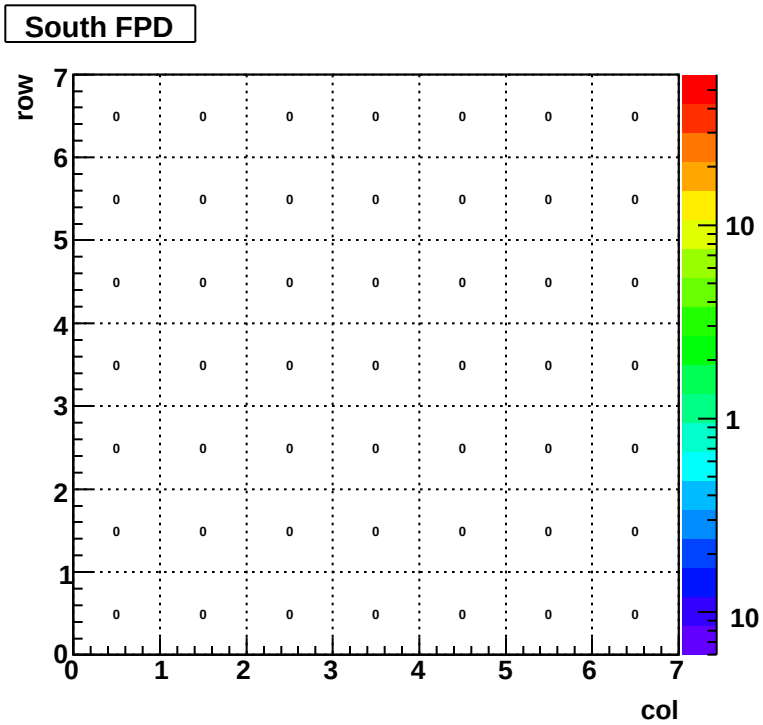
(2) Energy=27.879919 Y=-3.521774 Phi=-3.124575

M12=0.645 Y12=-3.720 Phi12=3.083 E12=68.449

SumN(-) = 84 SumN(+)= 112 AN/.6=0.238







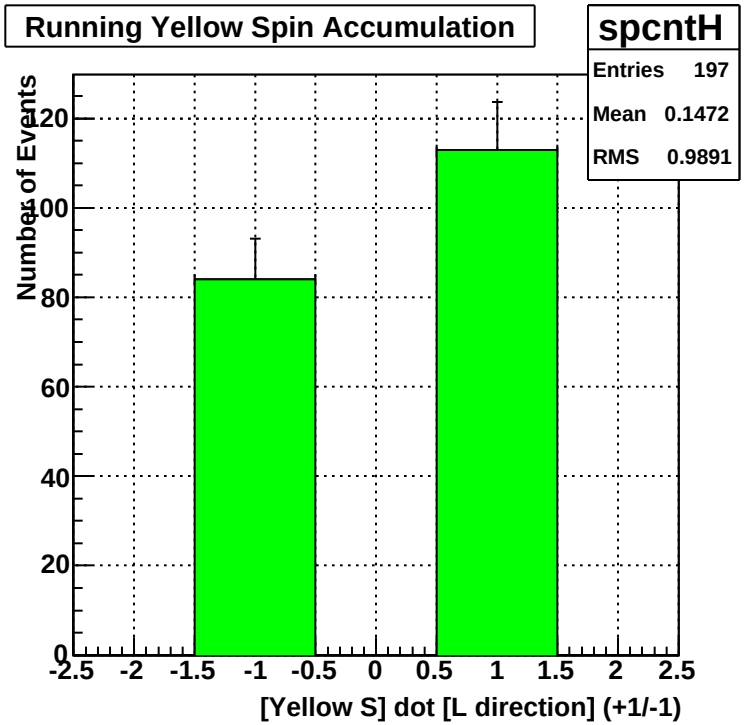
197) Rnum=7124018 EventN=4502515 (3 Yu-N[+])

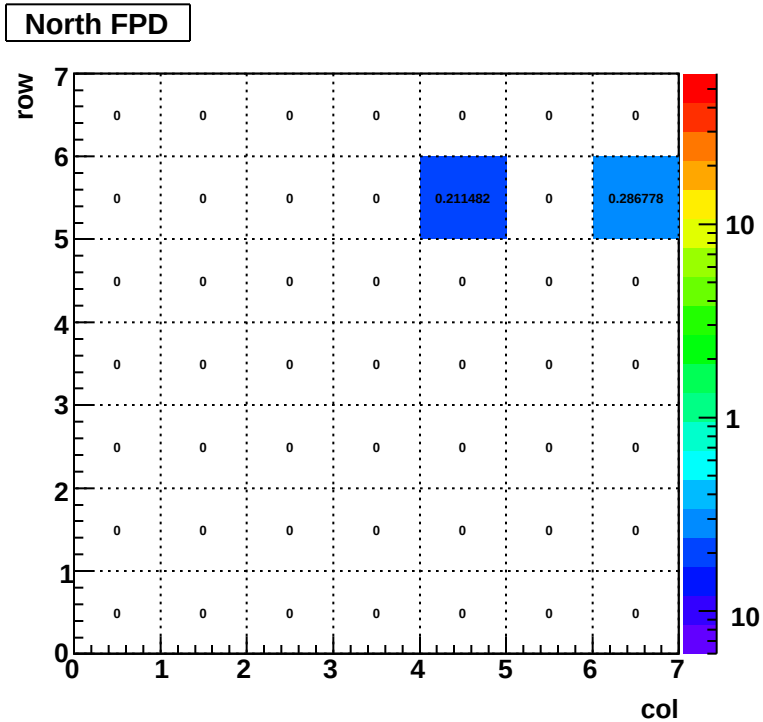
(1) Energy=42.791504 Y=-3.686413 Phi=-0.189001

(2) Energy=19.552479 Y=-3.796914 Phi=0.229142

M12=0.589 Y12=-3.738 Phi12=-0.069 E12=62.344

SumN(-) = 84 SumN(+)= 113 AN/.6=0.245




North FPD
row
col
0
0
0

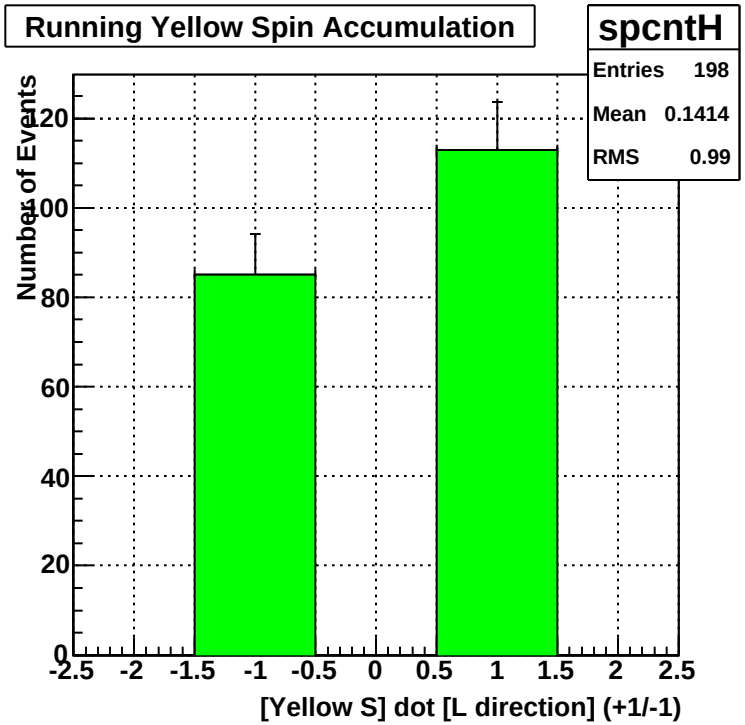
198) Rnum=7124018 EventN=4602186 (3 Yu-S[-])

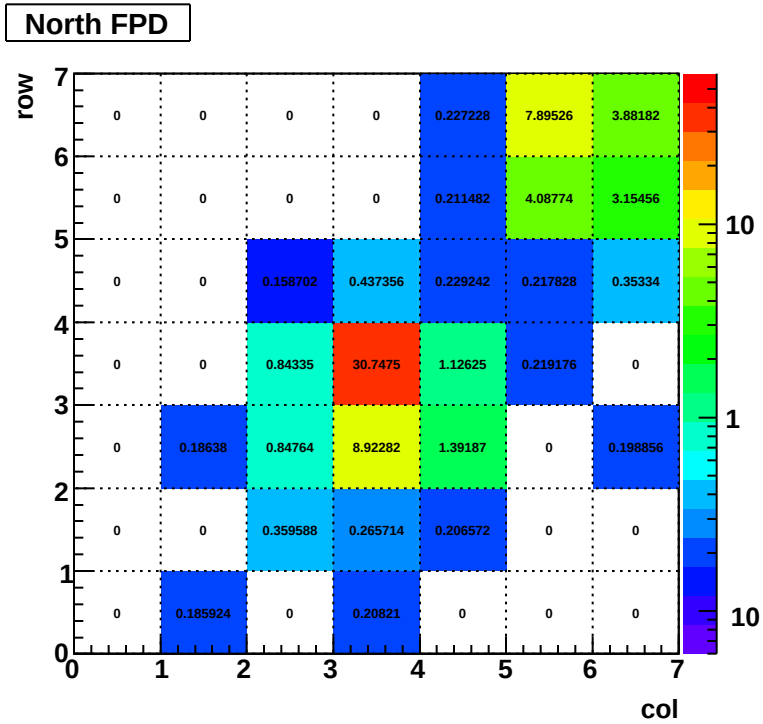
(1) Energy=45.913361 Y=-3.600515 Phi=3.096413

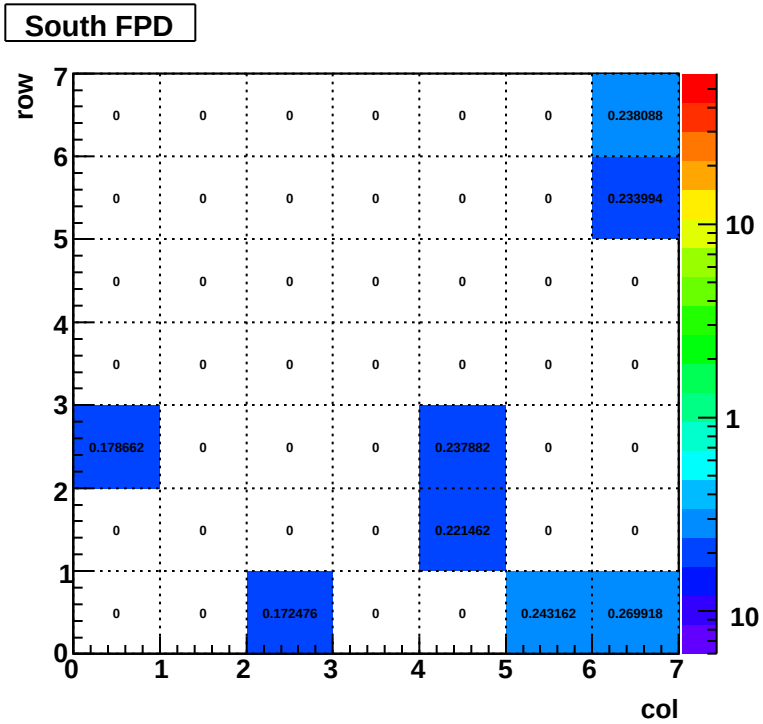
(2) Energy=18.221294 Y=-3.399571 Phi=-2.971681

M12=0.514 Y12=-3.544 Phi12=-3.117 E12=64.135

SumN(-) = 85 SumN(+)= 113 AN/.6=0.236







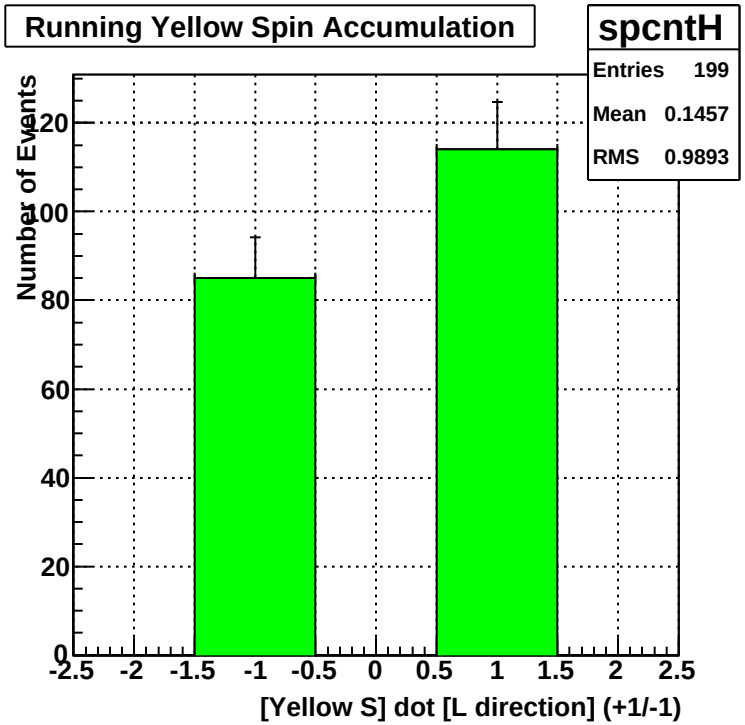
199) Rnum=7124021 EventN=3608599 (0 Yd-S[+])

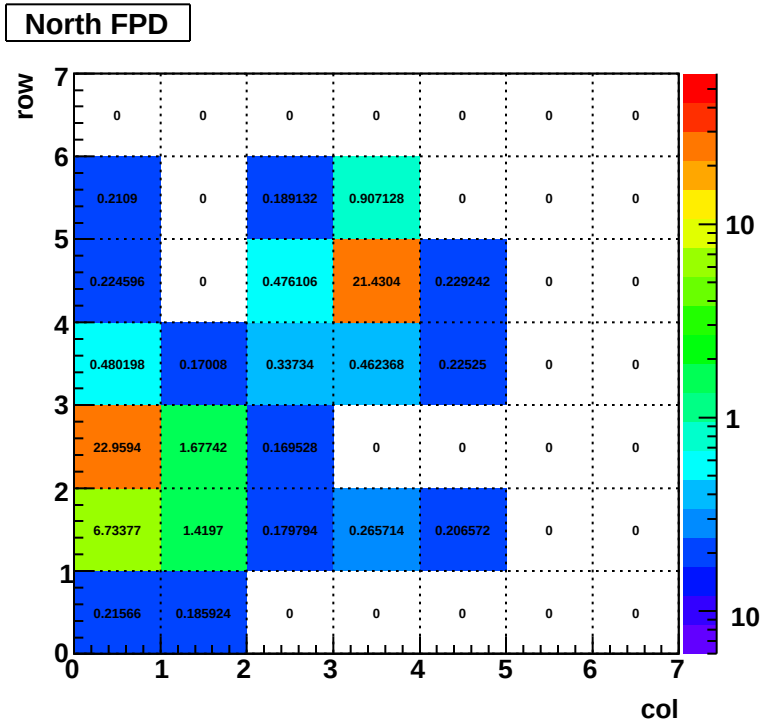
(1) Energy=36.223904 Y=-3.874519 Phi=2.967323

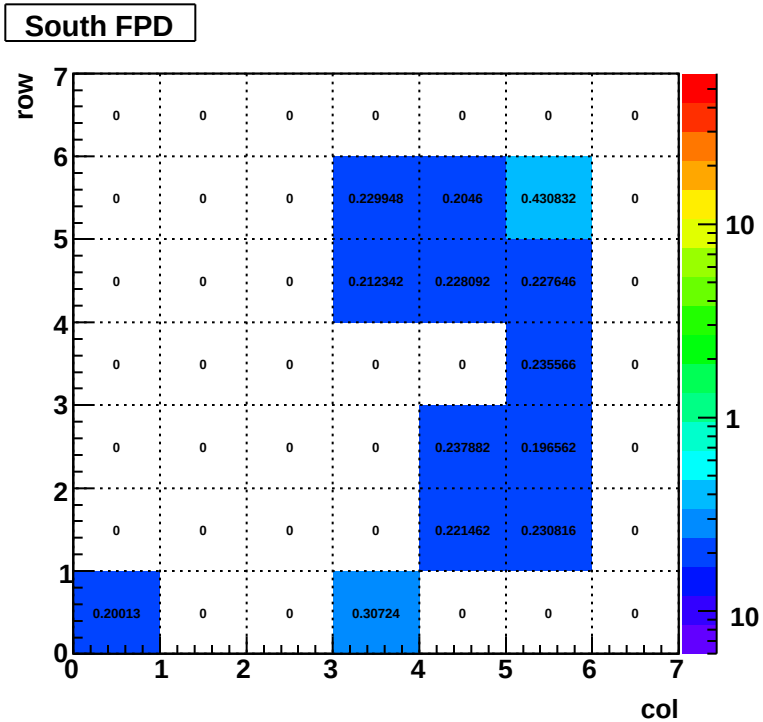
(2) Energy=26.351383 Y=-3.605162 Phi=-3.063136

M12=0.542 Y12=-3.760 Phi12=3.091 E12=62.575

SumN(-) = 85 SumN(+)= 114 AN/.6=0.243







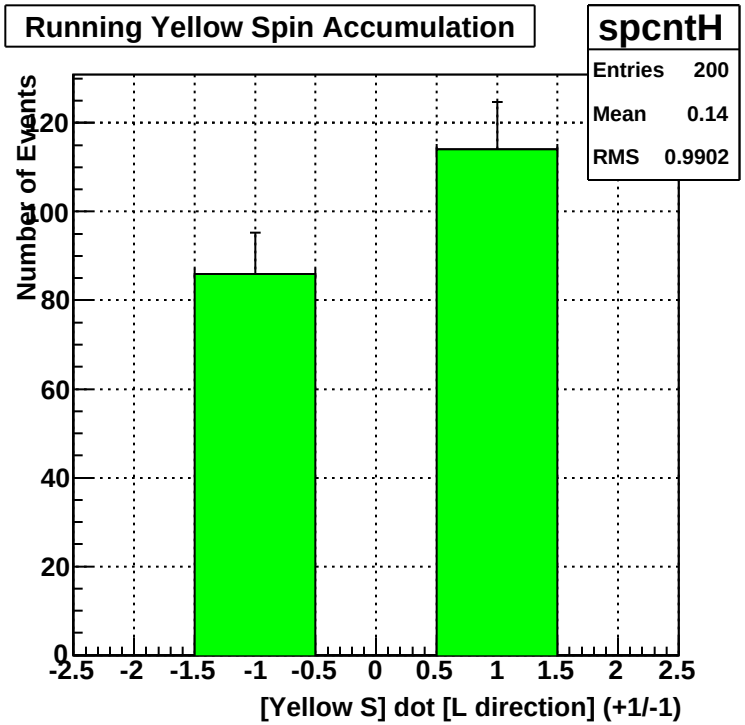
200) Rnum=7124021 EventN=4100982 (3 Yu-S[-])

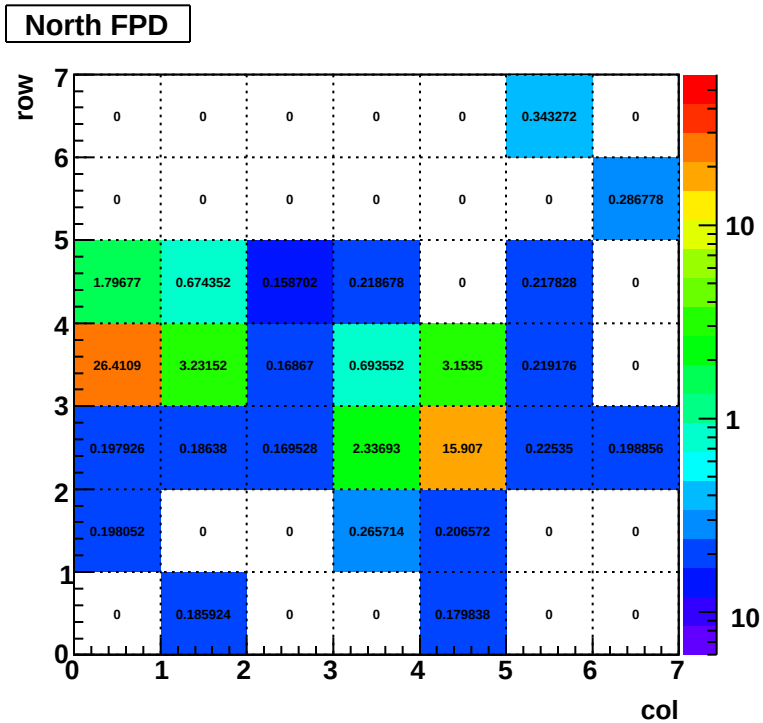
(1) Energy=37.034267 Y=-3.879213 Phi=3.140972

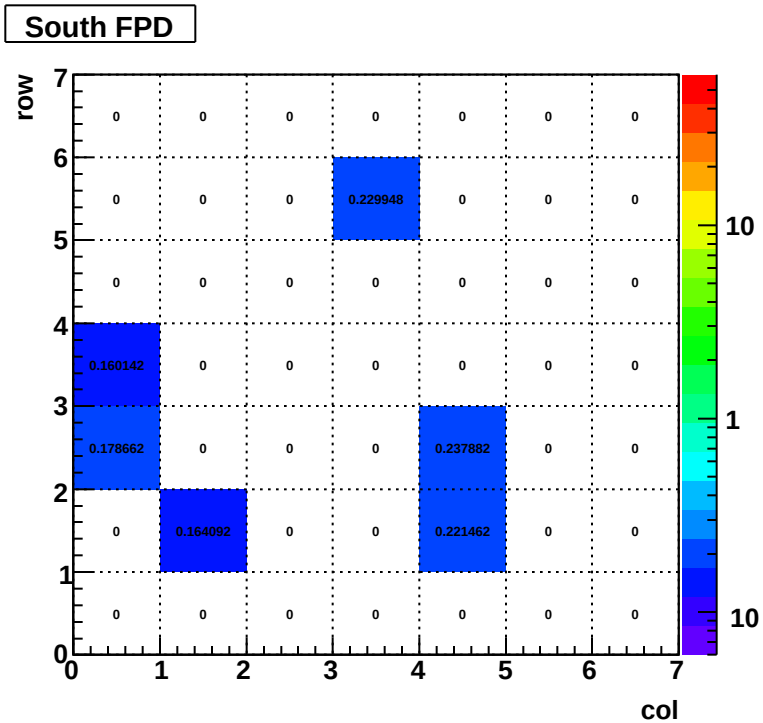
(2) Energy=23.537663 Y=-3.540491 Phi=3.073975

M12=0.501 Y12=-3.734 Phi12=3.109 E12=60.572

SumN(-) = 86 SumN(+)= 114 AN/.6=0.233







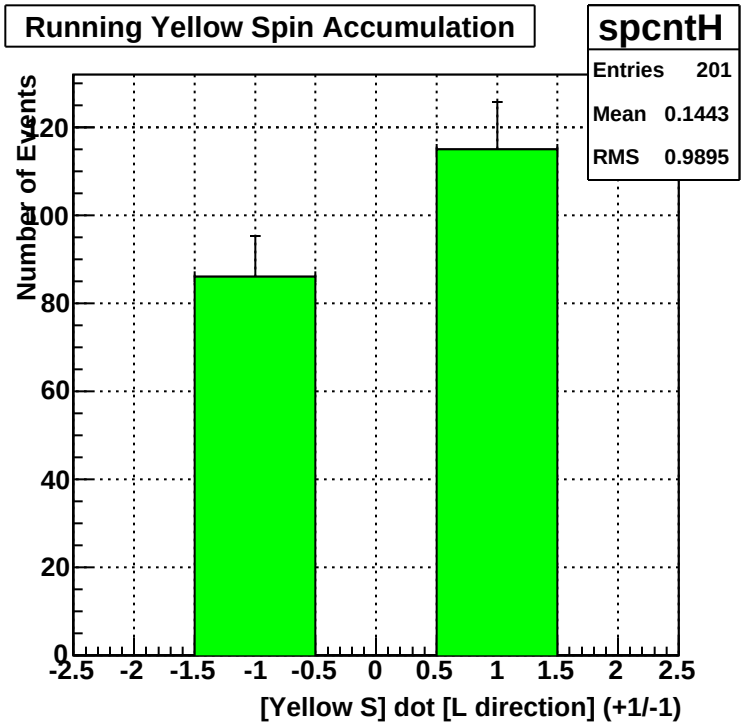
201) Rnum=7124021 EventN=2400715 (3 Yu-N[+])

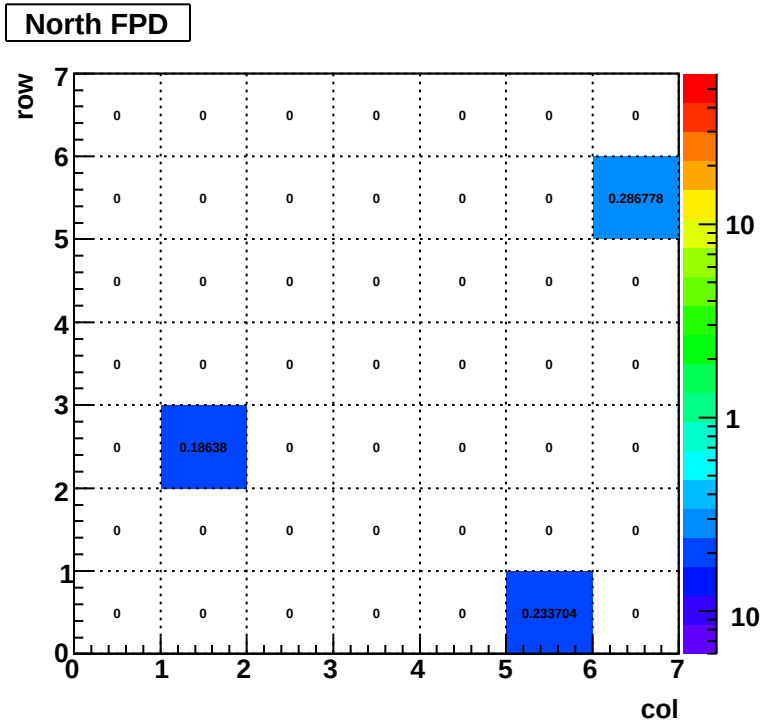
(1) Energy=46.540356 Y=-3.930776 Phi=-0.036134

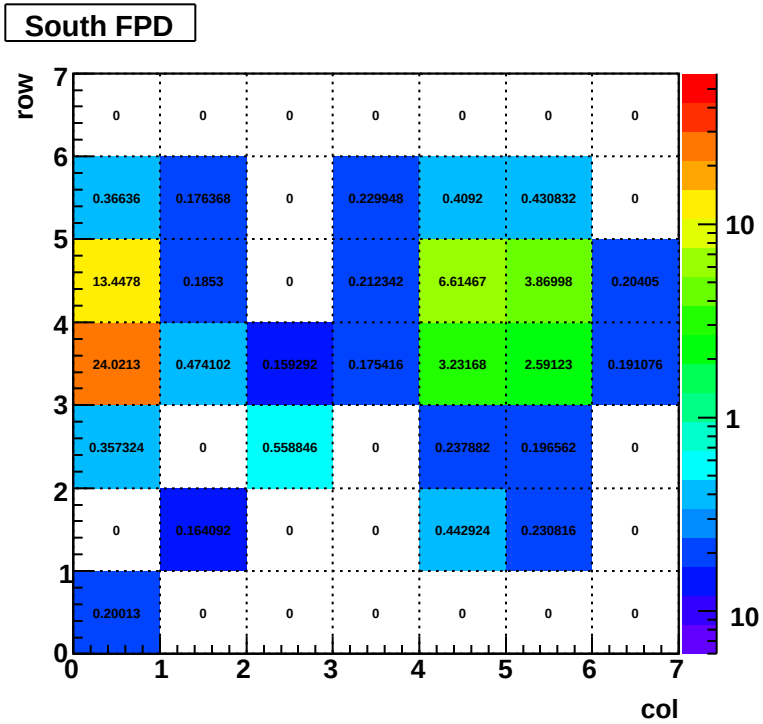
(2) Energy=16.695843 Y=-3.484868 Phi=-0.031222

M12=0.614 Y12=-3.792 Phi12=-0.034 E12=63.236

SumN(-) = 86 SumN(+)= 115 AN/.6=0.240







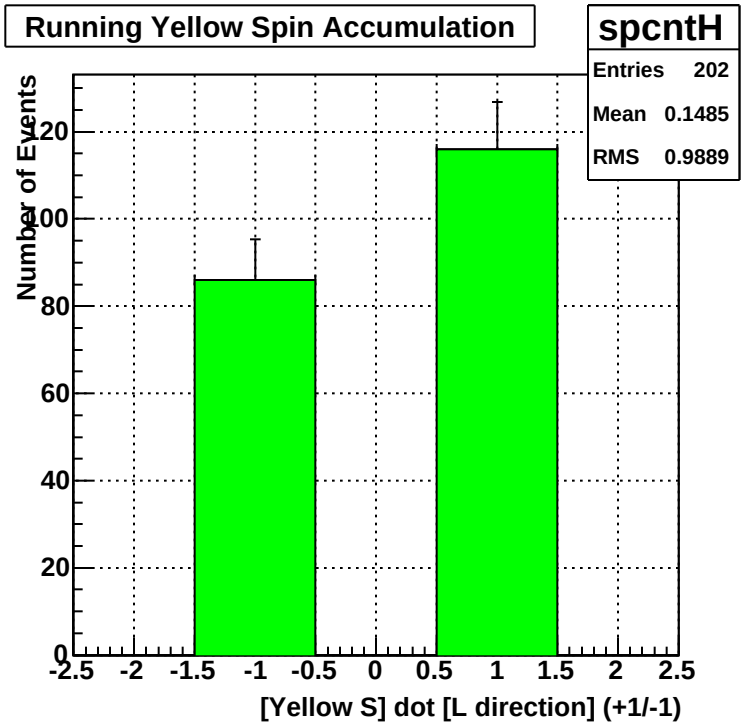
202) Rnum=7124027 EventN=401491 (3 Yu-N[+])

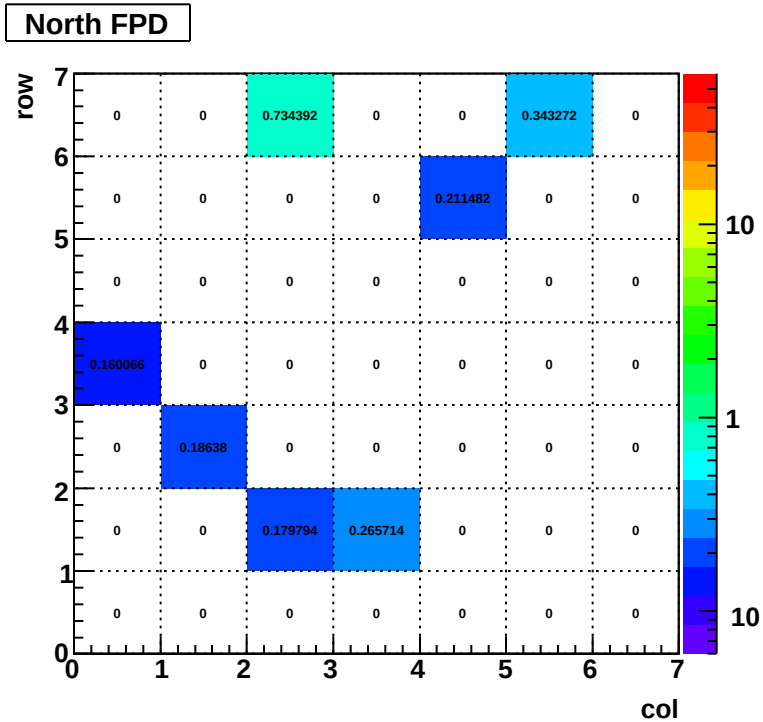
(1) Energy=52.738697 Y=-3.703343 Phi=0.170462

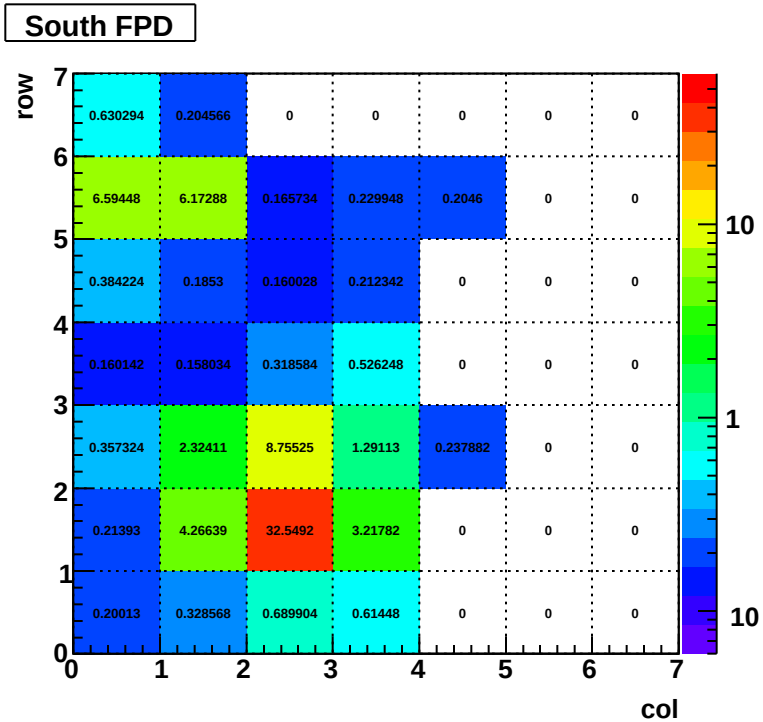
(2) Energy=15.165491 Y=-3.827639 Phi=-0.204687

M12=0.514 Y12=-3.741 Phi12=0.095 E12=67.904

SumN(-) = 86 SumN(+)= 116 AN/.6=0.248







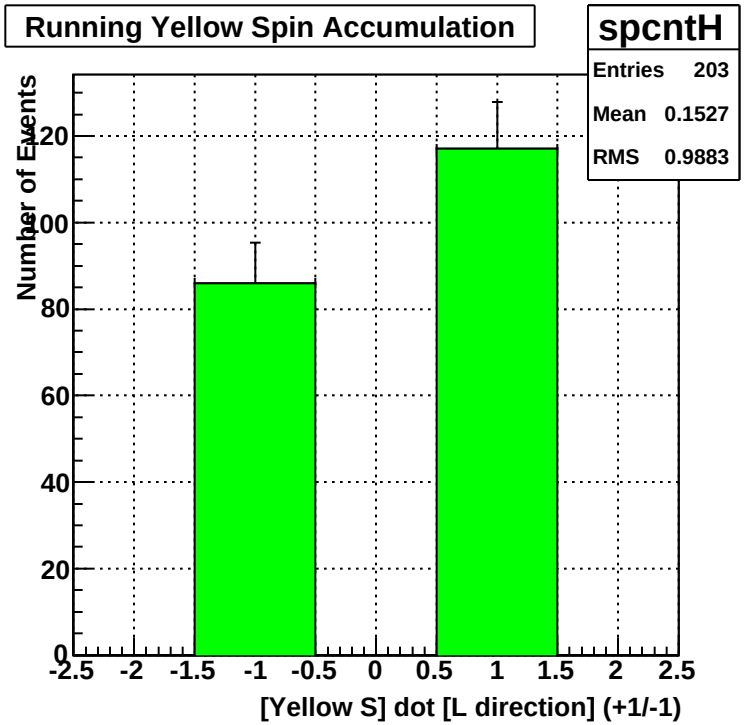
203) Rnum=7124029 EventN=3009059 (3 Yu-N[+])

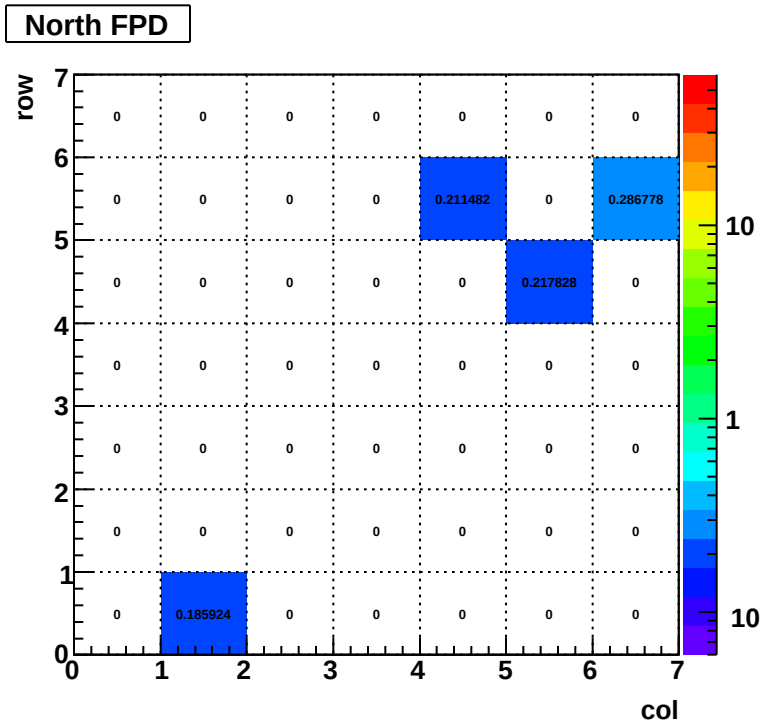
(1) Energy=46.295074 Y=-3.642139 Phi=-0.072553

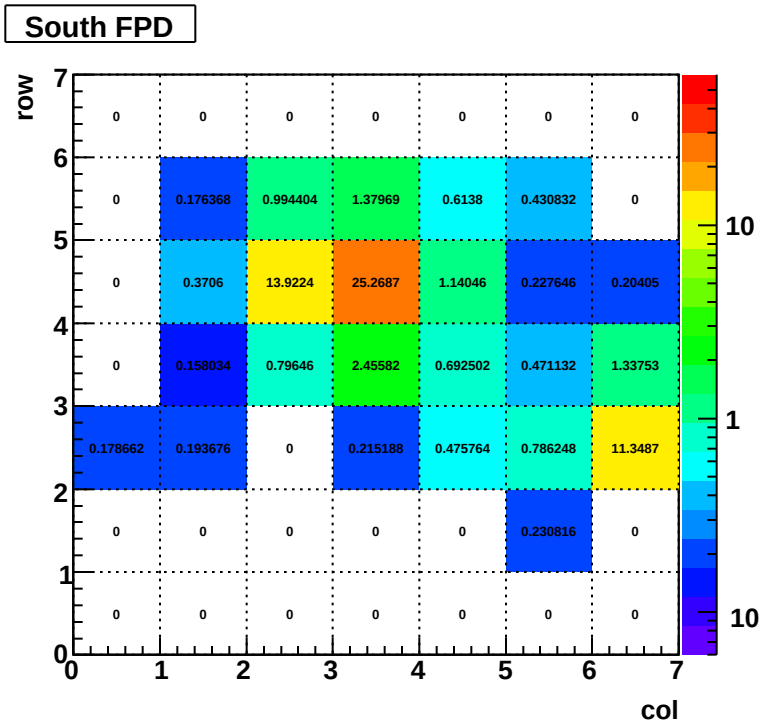
(2) Energy=15.085697 Y=-3.381693 Phi=0.063528

M12=0.464 Y12=-3.574 Phi12=-0.032 E12=61.381

SumN(-) = 86 SumN(+)= 117 AN/.6=0.255







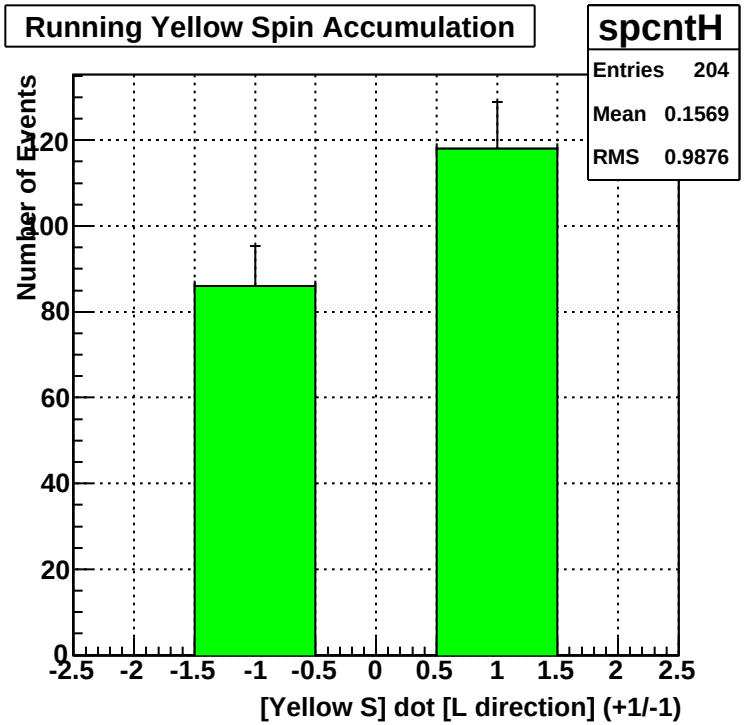
204) Rnum=7124031 EventN=3406613 (1 Yu-N[+])

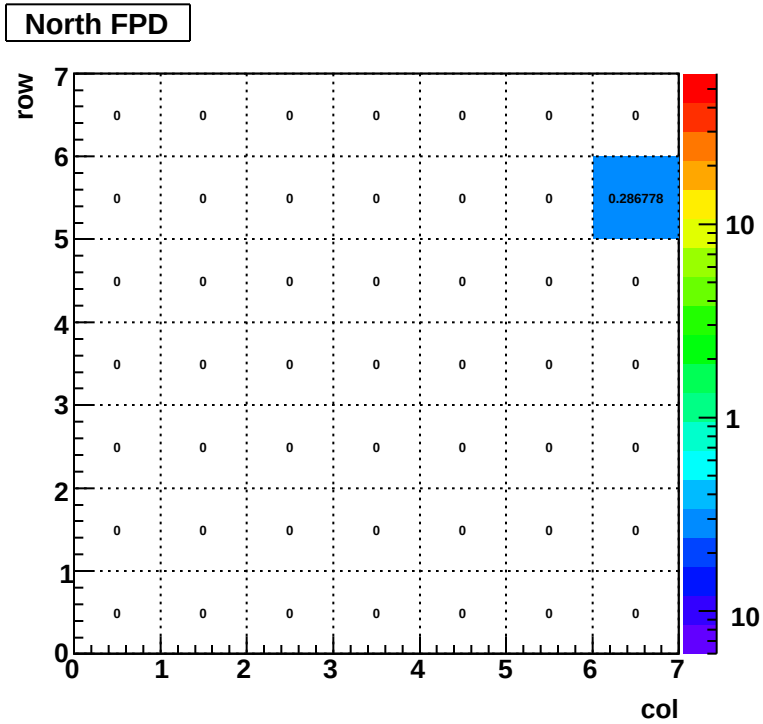
(1) Energy=44.710049 Y=-3.871564 Phi=-0.058854

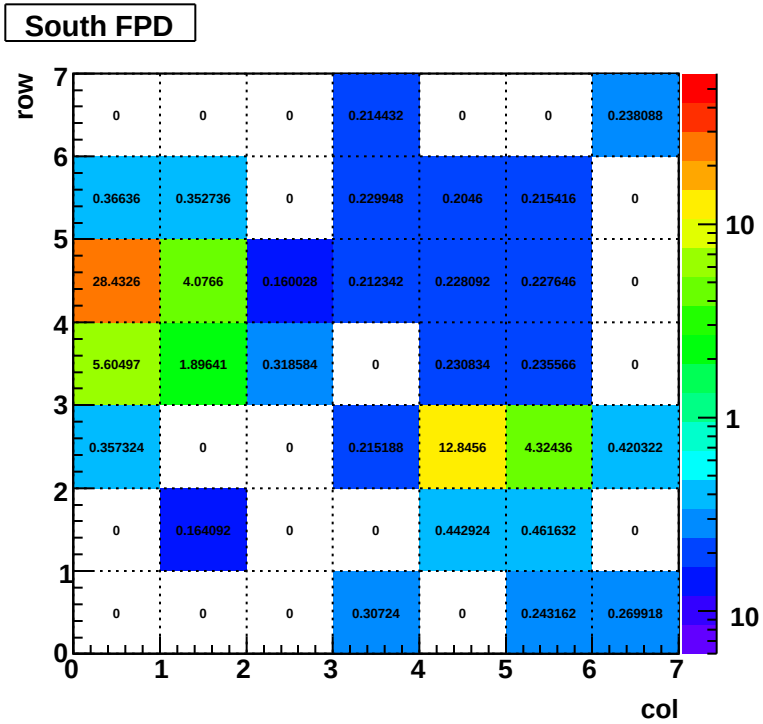
(2) Energy=19.170975 Y=-3.486202 Phi=0.092682

M12=0.615 Y12=-3.742 Phi12=-0.000 E12=63.881

SumN(-) = 86 SumN(+)= 118 AN/.6=0.261







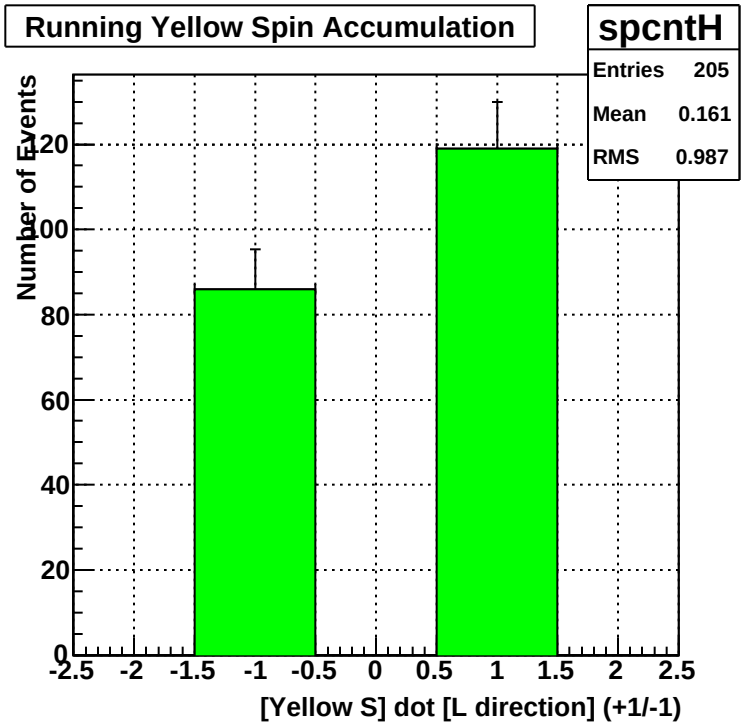
205) Rnum=7124034 EventN=3206851 (3 Yu-N[+])

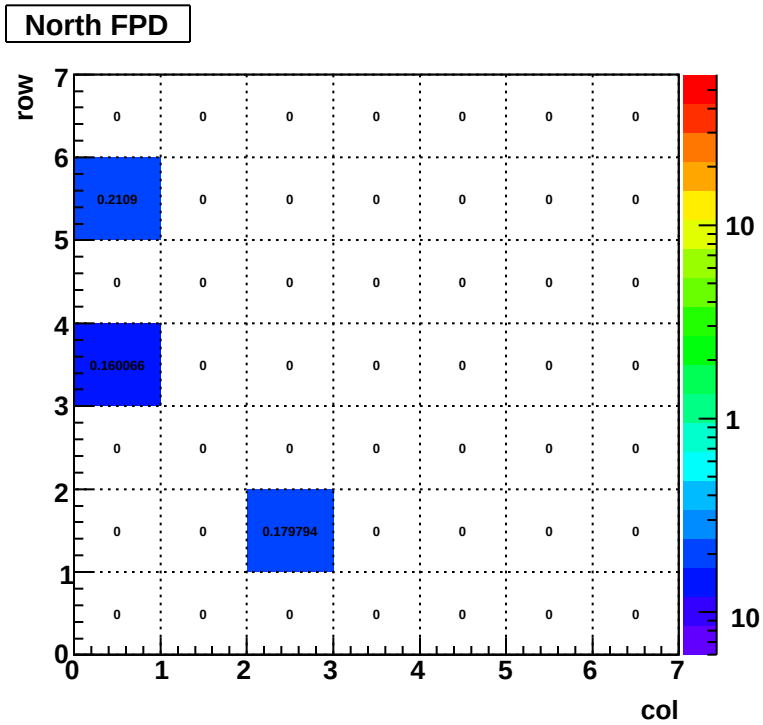
(1) Energy=51.894165 Y=-3.728215 Phi=-0.176543

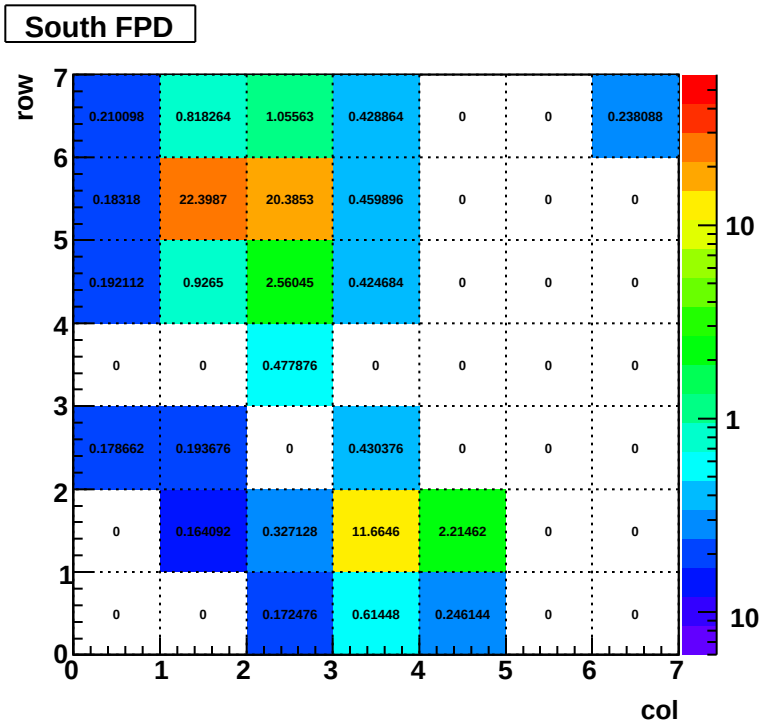
(2) Energy=15.580465 Y=-3.561317 Phi=0.181771

M12=0.584 Y12=-3.700 Phi12=-0.083 E12=67.475

SumN(-) = 86 SumN(+)= 119 AN/.6=0.268







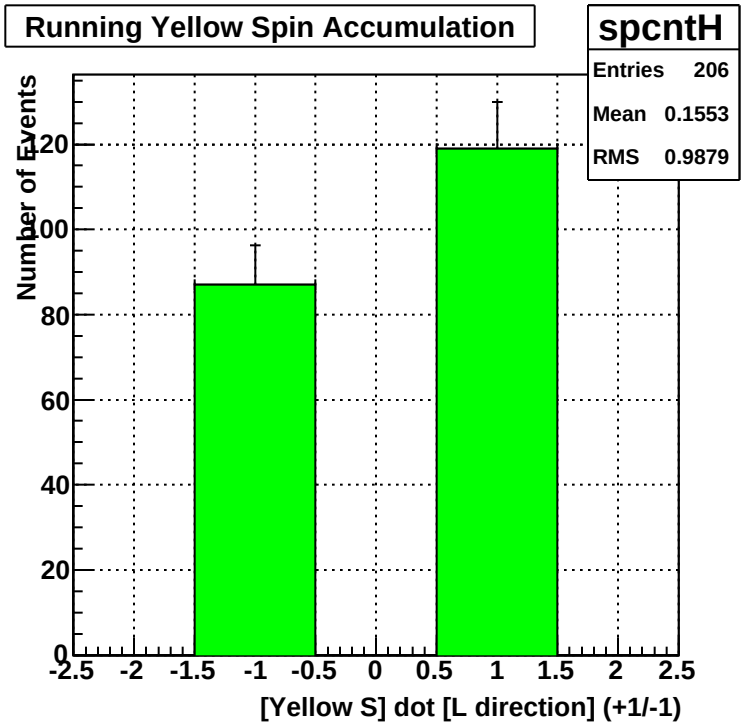
206) Rnum=7124034 EventN=600710 (0 Yd-N[-])

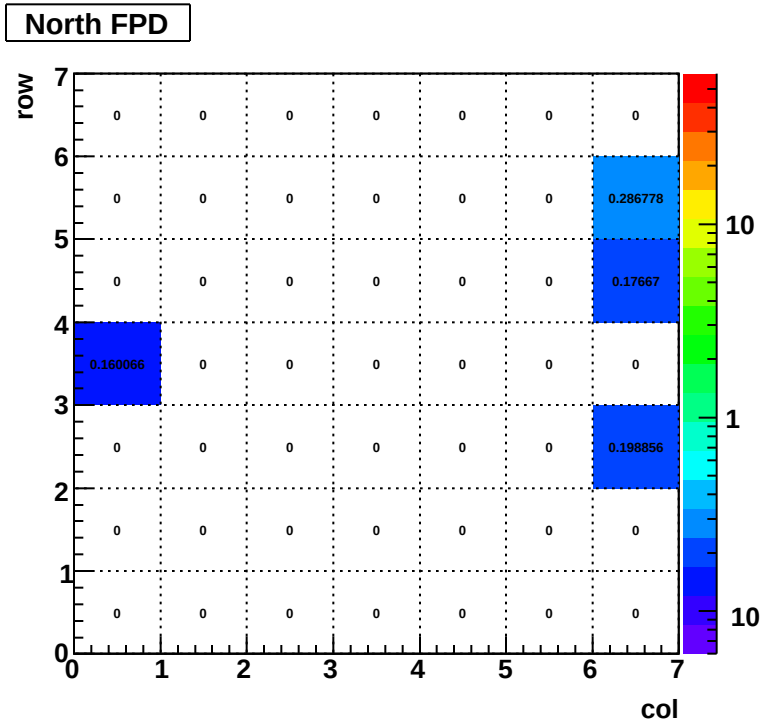
(1) Energy=31.293844 Y=-3.510010 Phi=0.111233

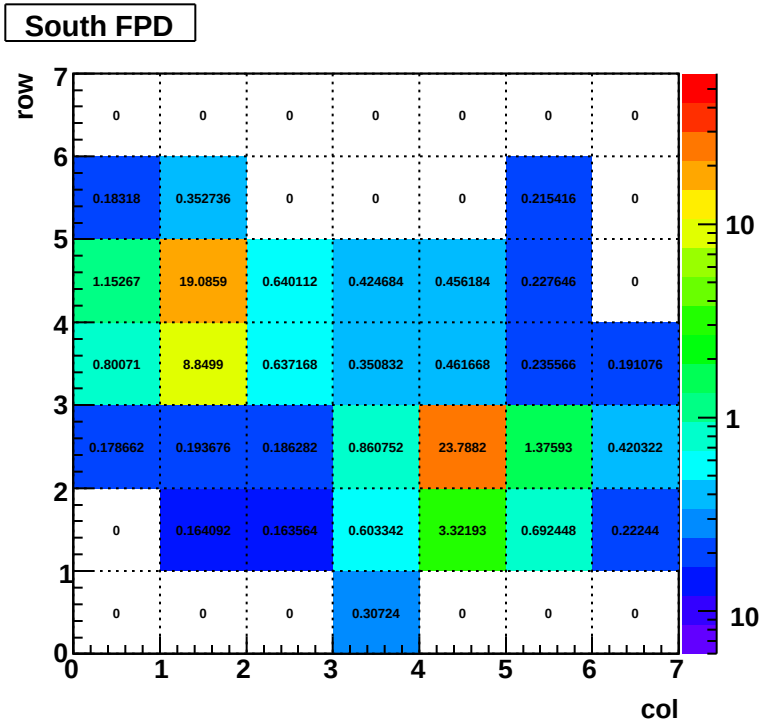
(2) Energy=34.218391 Y=-3.799999 Phi=-0.043449

M12=0.557 Y12=-3.654 Phi12=0.042 E12=65.512

SumN(-) = 87 SumN(+)= 119 AN/.6=0.259







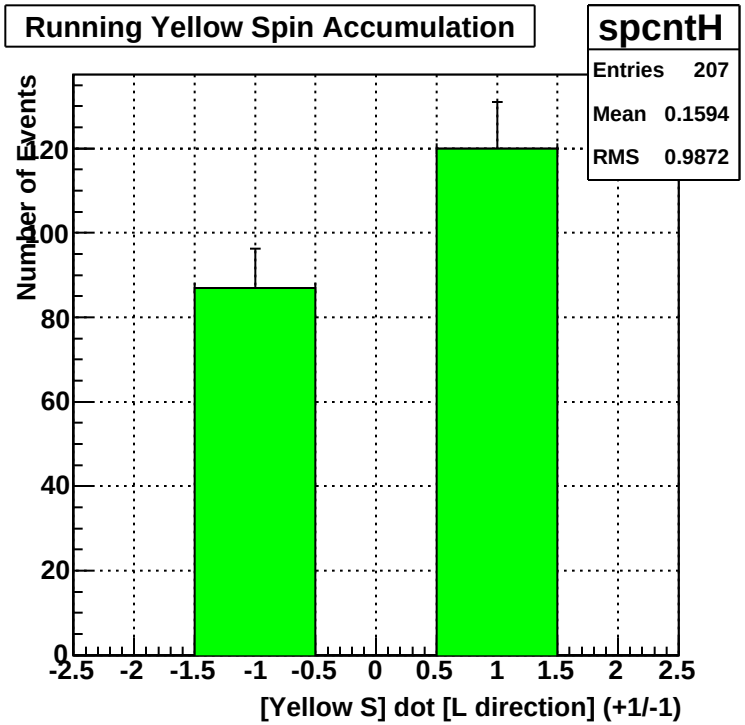
207) Rnum=7124060 EventN=303586 (2 Yd-S[+])

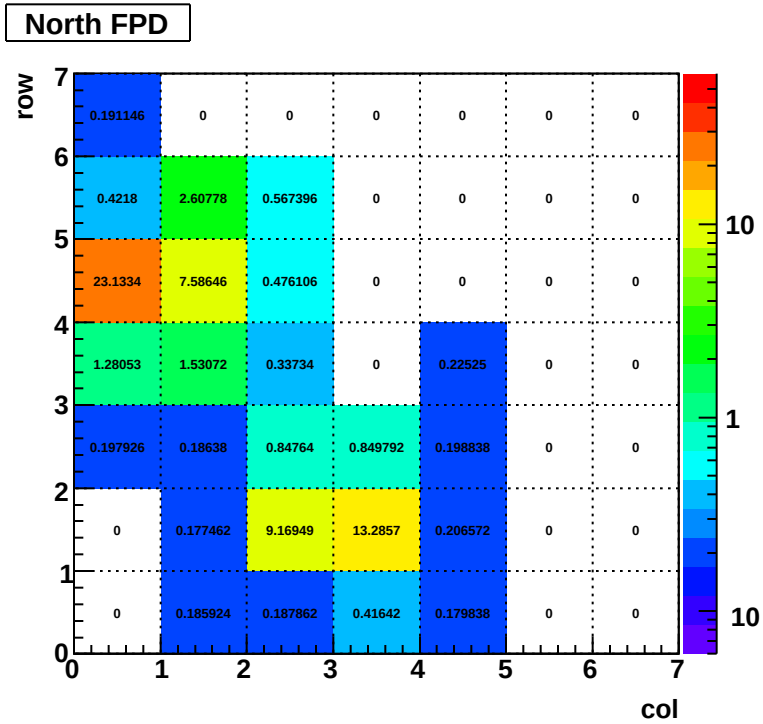
(1) Energy=36.176193 Y=-3.855030 Phi=-3.058754

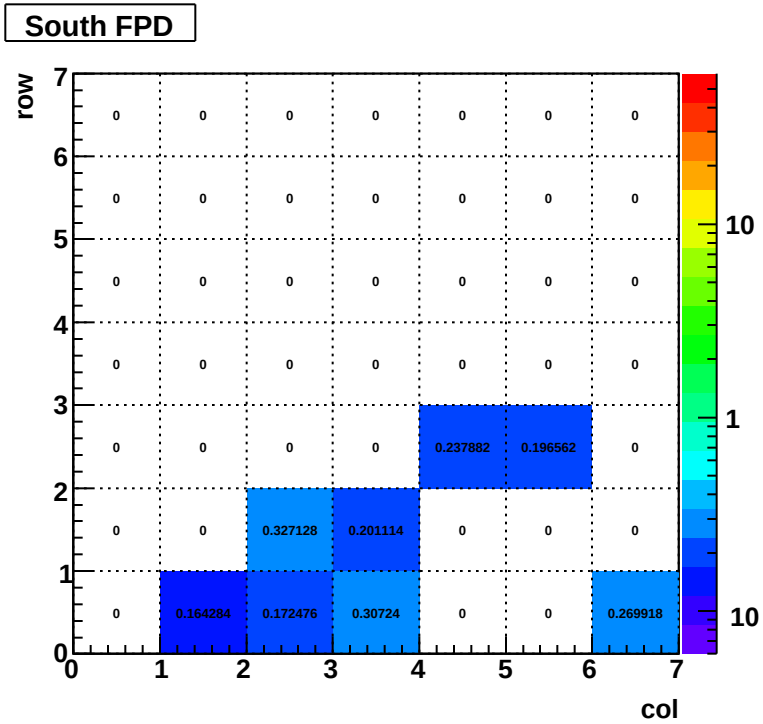
(2) Energy=24.864050 Y=-3.630973 Phi=2.960329

M12=0.491 Y12=-3.766 Phi12=3.102 E12=61.040

SumN(-) = 87 SumN(+)= 120 AN/.6=0.266







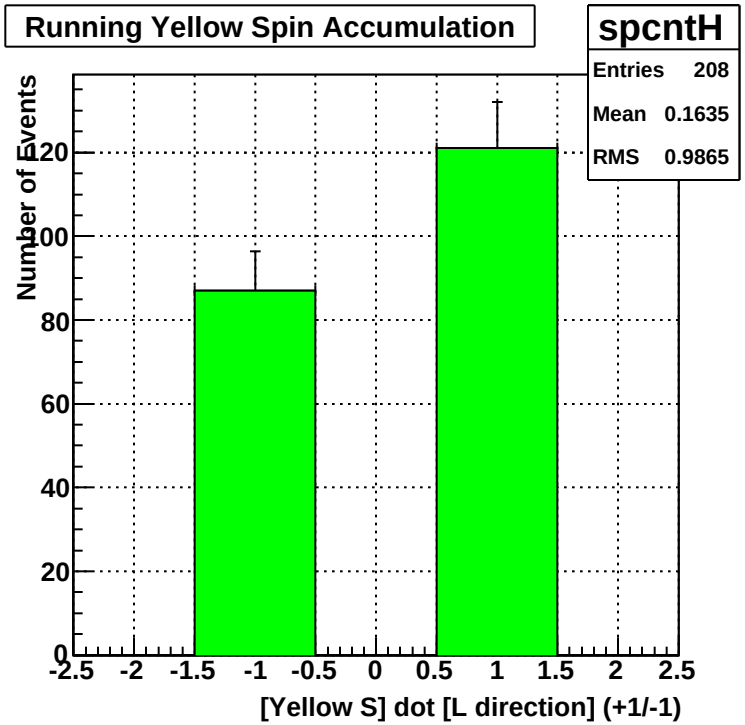
208) Rnum=7124126 EventN=808195 (2 Yd-S[+])

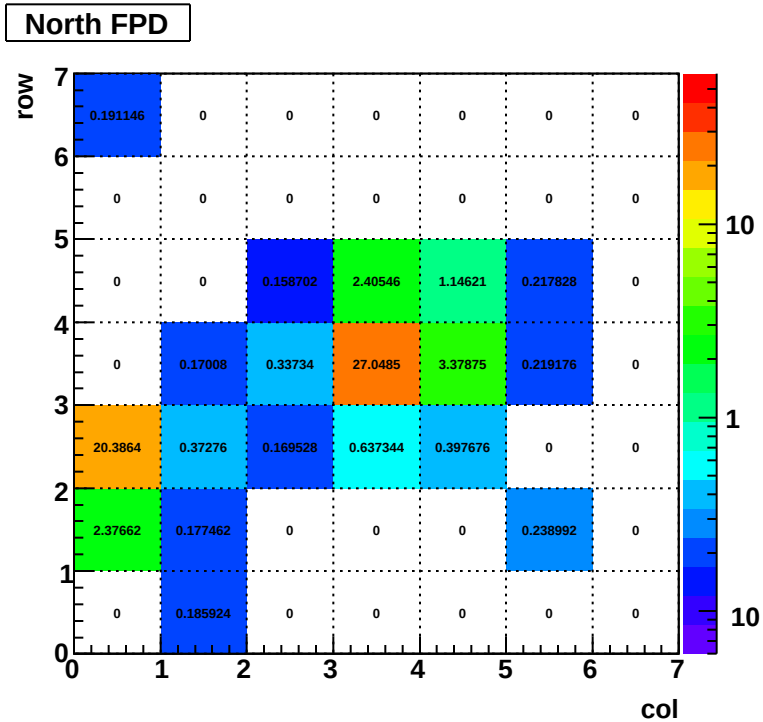
(1) Energy=36.452194 Y=-3.584296 Phi=-3.138221

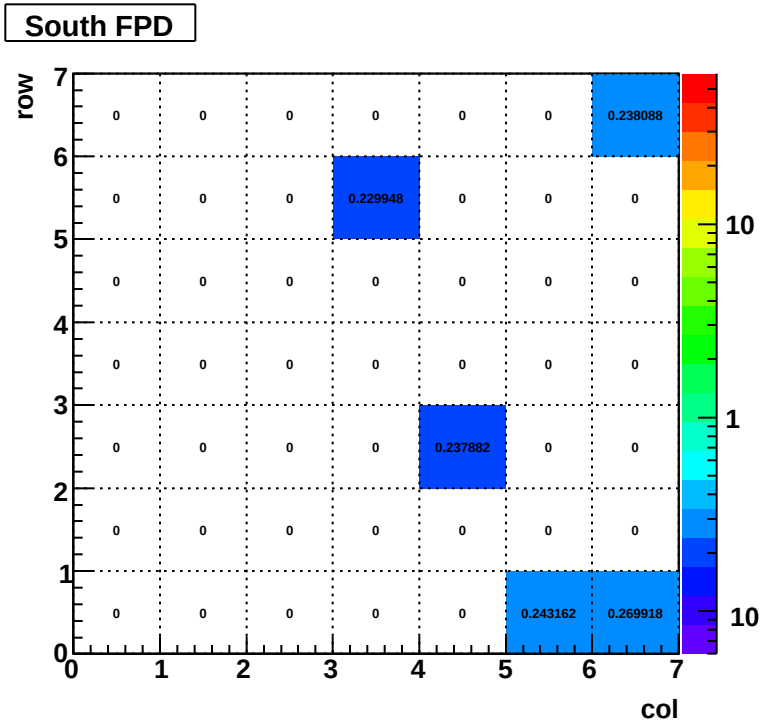
(2) Energy=27.464649 Y=-3.910362 Phi=2.980758

M12=0.546 Y12=-3.715 Phi12=3.087 E12=63.917

SumN(-) = 87 SumN(+)= 121 AN/.6=0.272







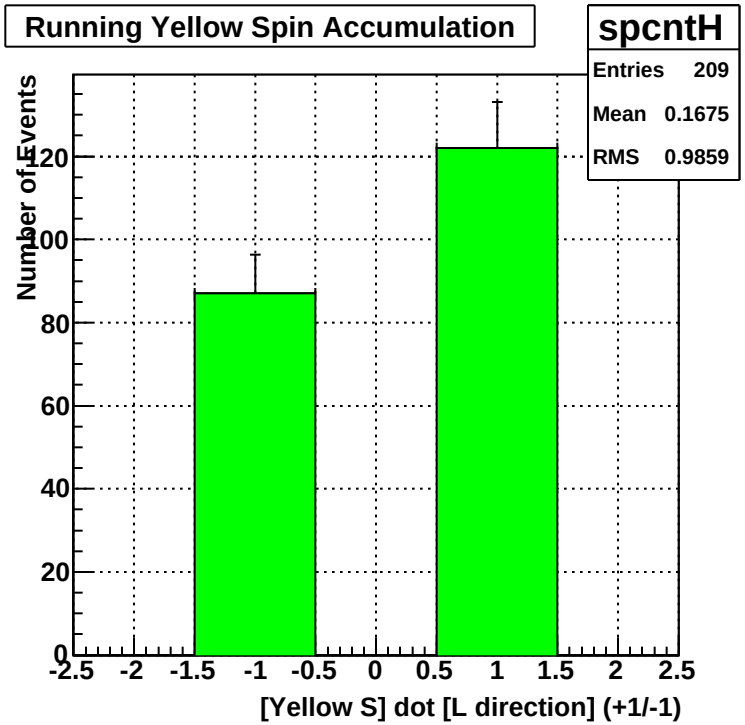
209) Rnum=7125003 EventN=3500130 (1 Yu-N[+])

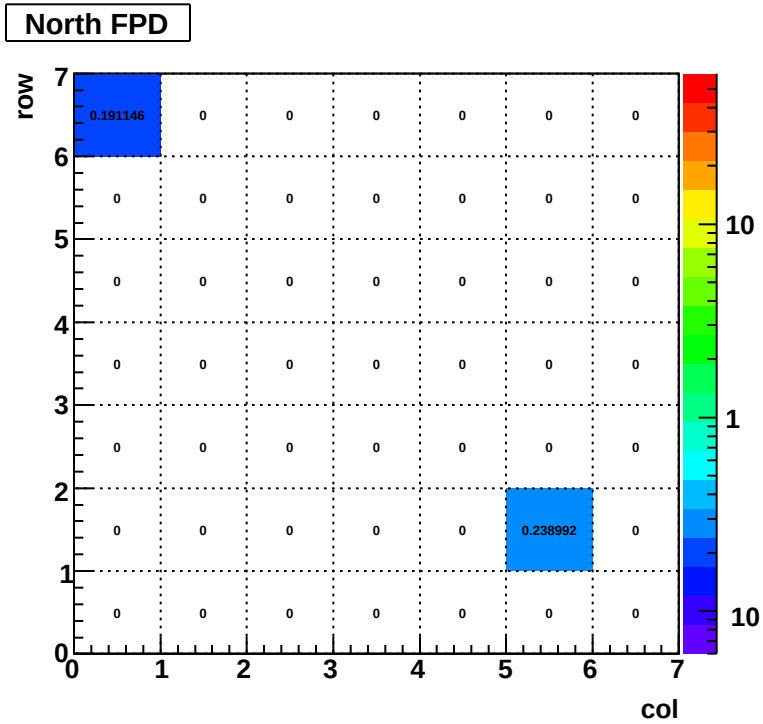
(1) Energy=39.744331 Y=-3.512240 Phi=0.125562

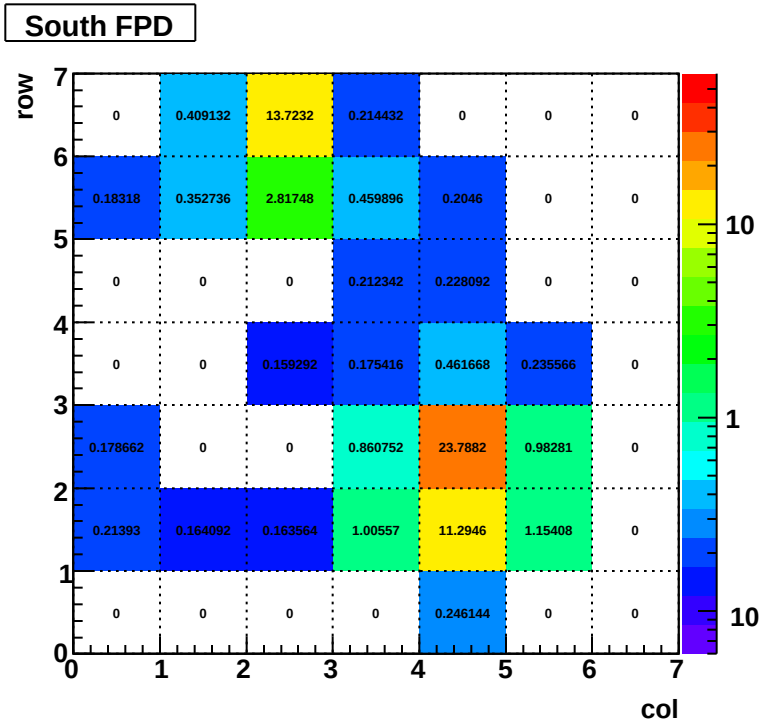
(2) Energy=20.380976 Y=-3.670889 Phi=-0.236037

M12=0.616 Y12=-3.577 Phi12=0.016 E12=60.125

SumN(-) = 87 SumN(+)= 122 AN/.6=0.279







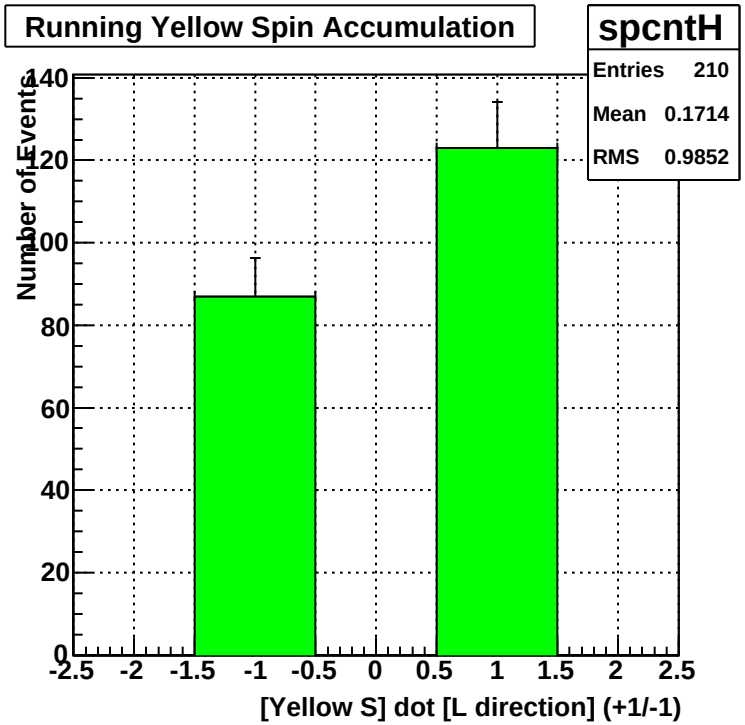
210) Rnum=7125003 EventN=6204375 (2 Yd-S[+])

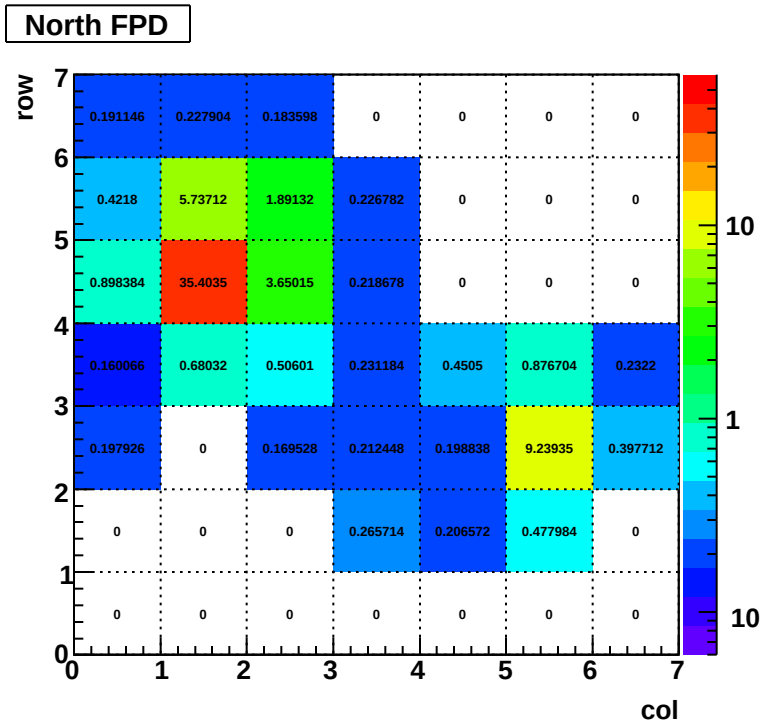
(1) Energy=52.158806 Y=-3.764751 Phi=-3.027081

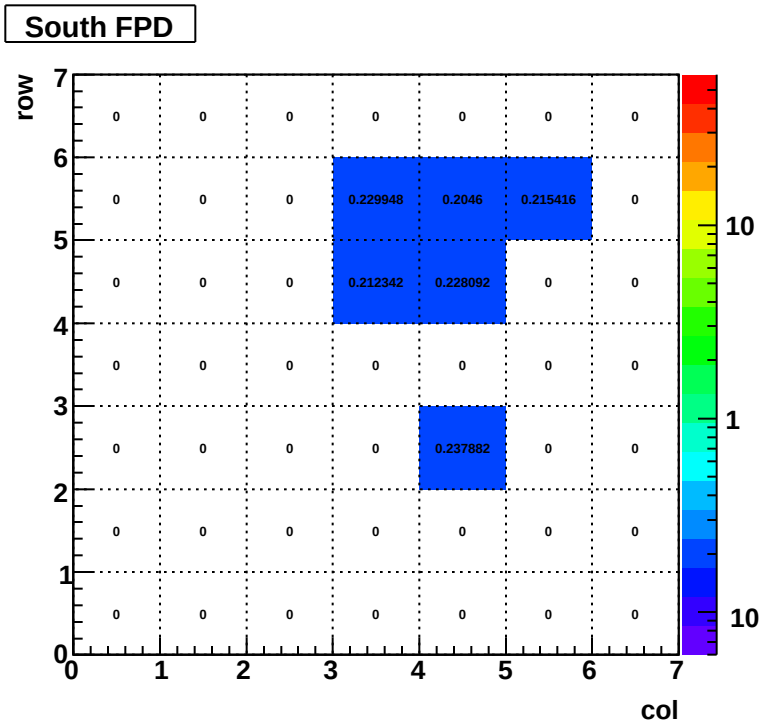
(2) Energy=11.552658 Y=-3.437920 Phi=3.072263

M12=0.503 Y12=-3.700 Phi12=-3.070 E12=63.711

SumN(-) = 87 SumN(+)= 123 AN/.6=0.286







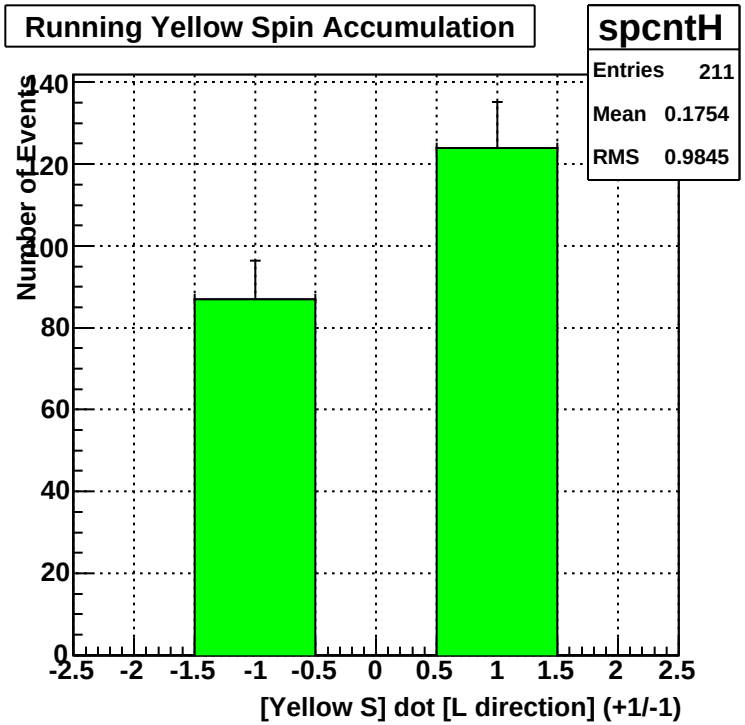
211) Rnum=7125014 EventN=4700861 (3 Yu-N[+])

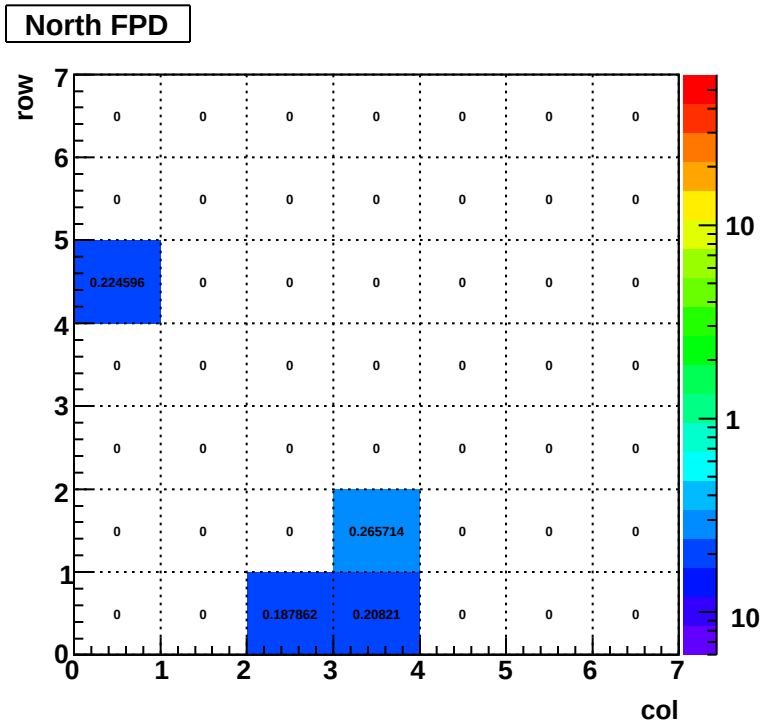
(1) Energy=42.220711 Y=-3.636175 Phi=0.128857

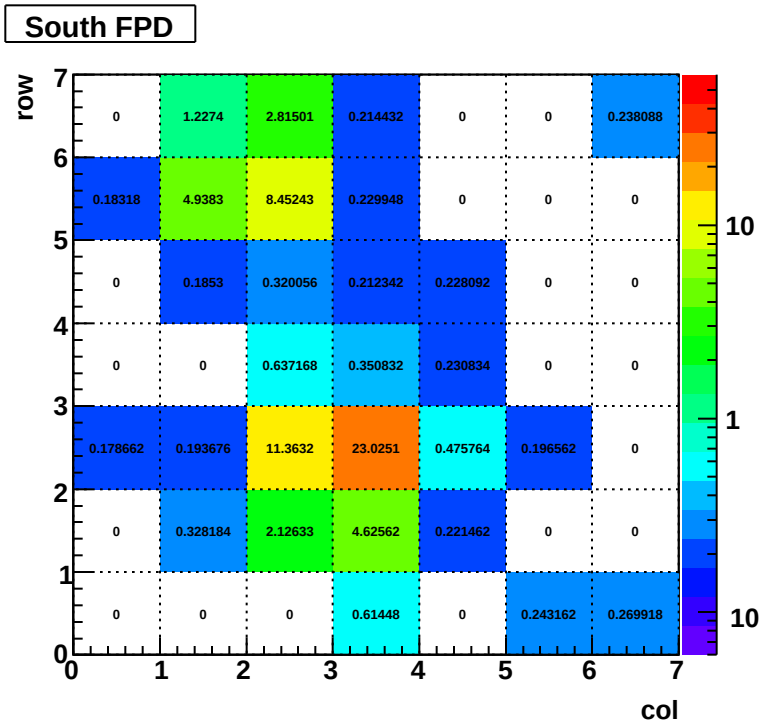
(2) Energy=19.315201 Y=-3.715257 Phi=-0.215816

M12=0.509 Y12=-3.673 Phi12=0.027 E12=61.536

SumN(-) = 87 SumN(+)= 124 AN/.6=0.292







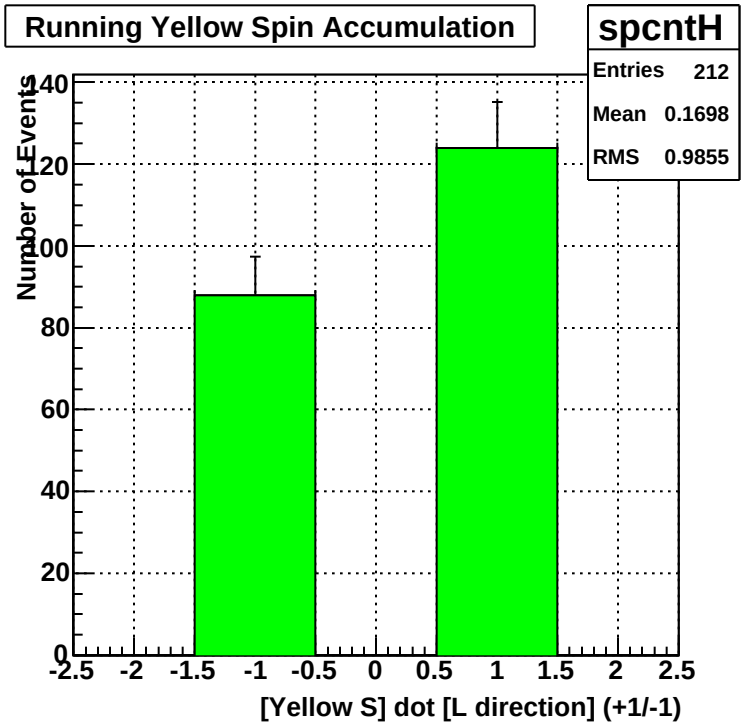
212) Rnum=7125014 EventN=7206287 (0 Yd-N[-])

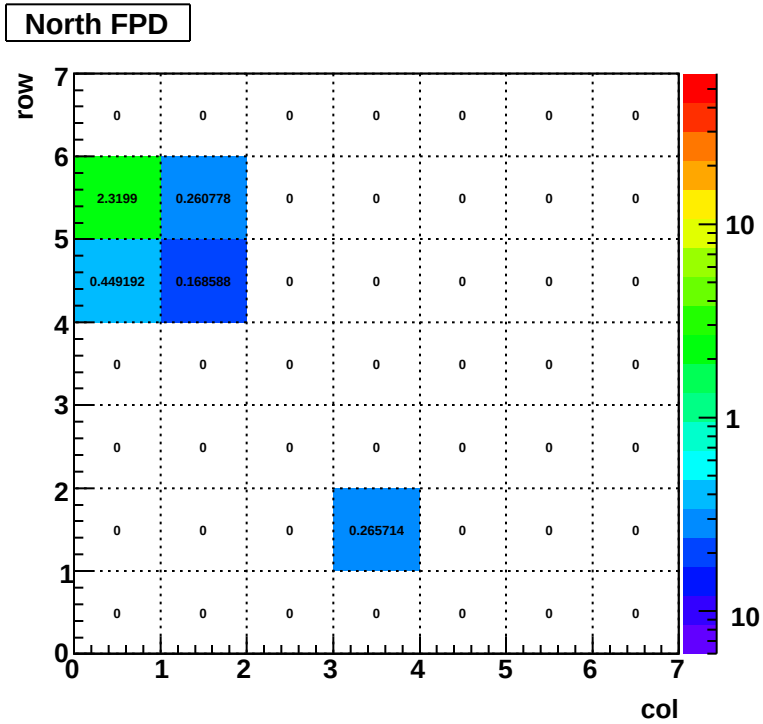
(1) Energy=35.117531 Y=-3.670306 Phi=0.223346

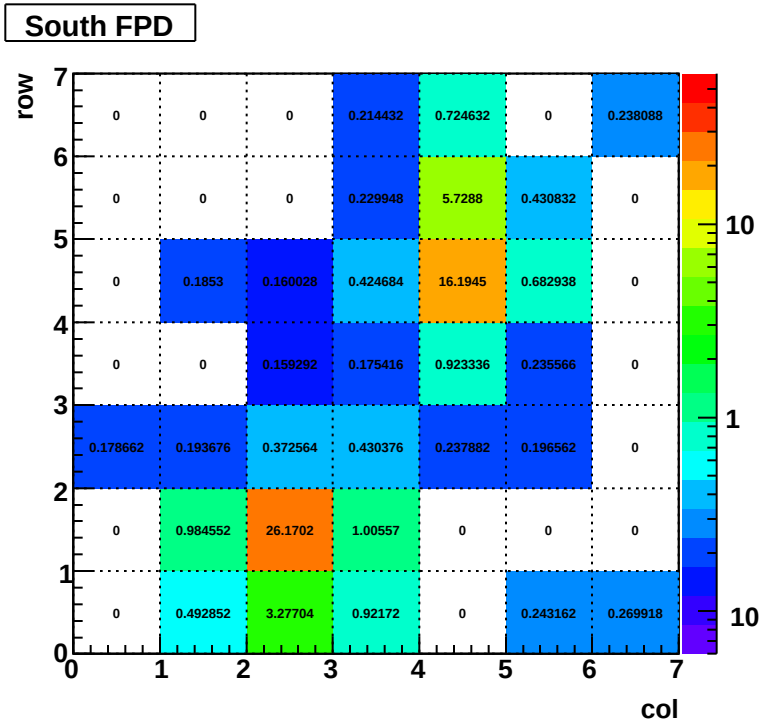
(2) Energy=24.972252 Y=-3.513279 Phi=-0.099116

M12=0.583 Y12=-3.615 Phi12=0.077 E12=60.090

SumN(-) = 88 SumN(+)= 124 AN/.6=0.283







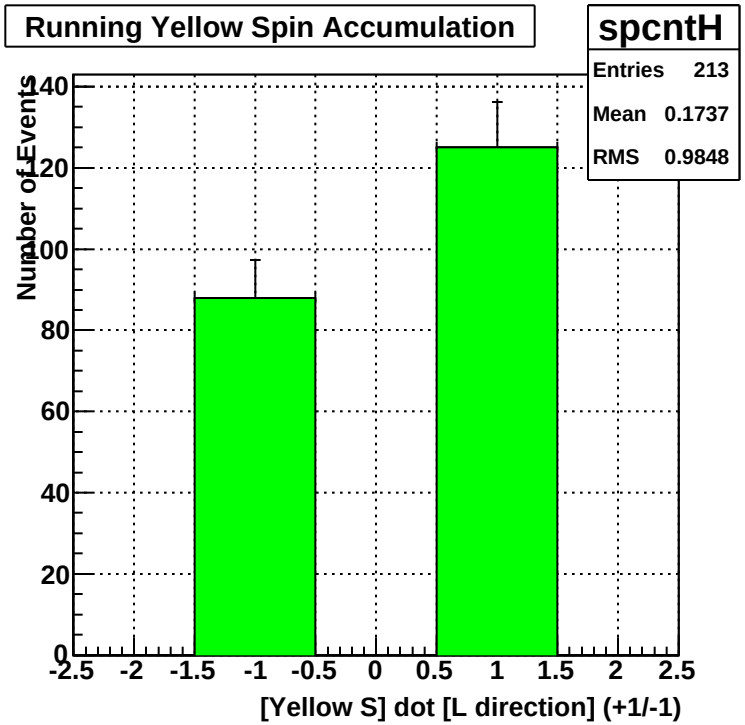
213) Rnum=7125015 EventN=5605157 (3 Yu-N[+])

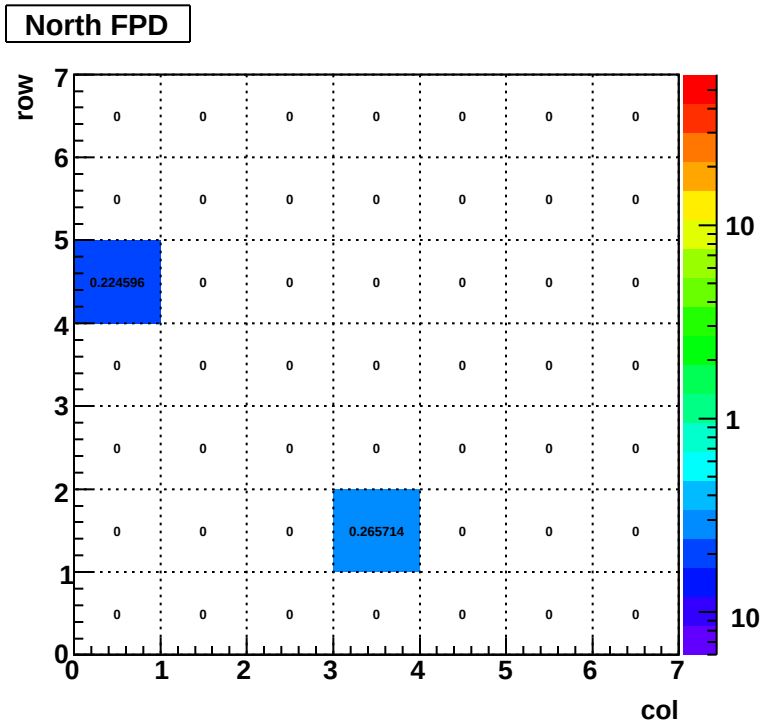
(1) Energy=41.488544 Y=-3.886918 Phi=0.093354

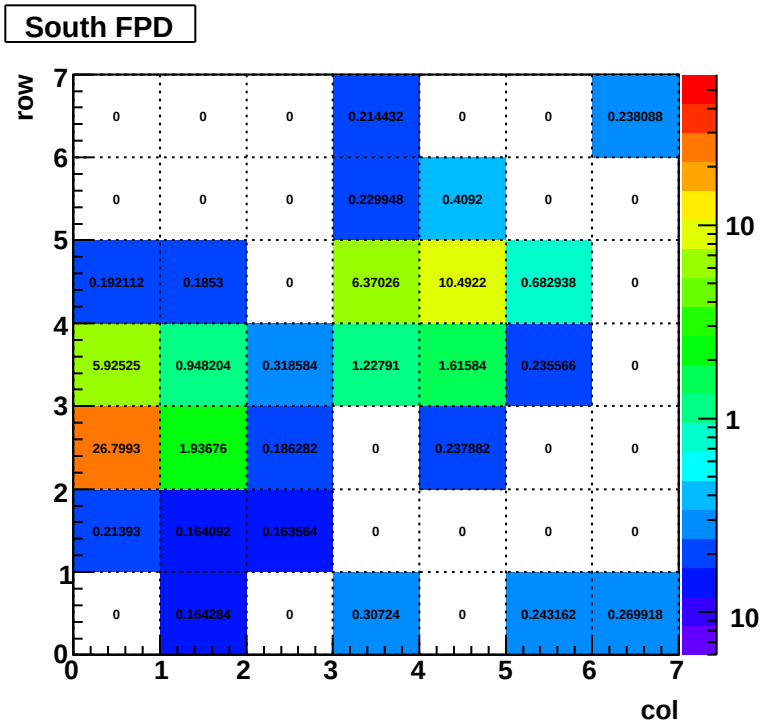
(2) Energy=20.823271 Y=-3.558135 Phi=-0.049205

M12=0.511 Y12=-3.767 Phi12=0.035 E12=62.312

SumN(-) = 88 SumN(+)= 125 AN/.6=0.290







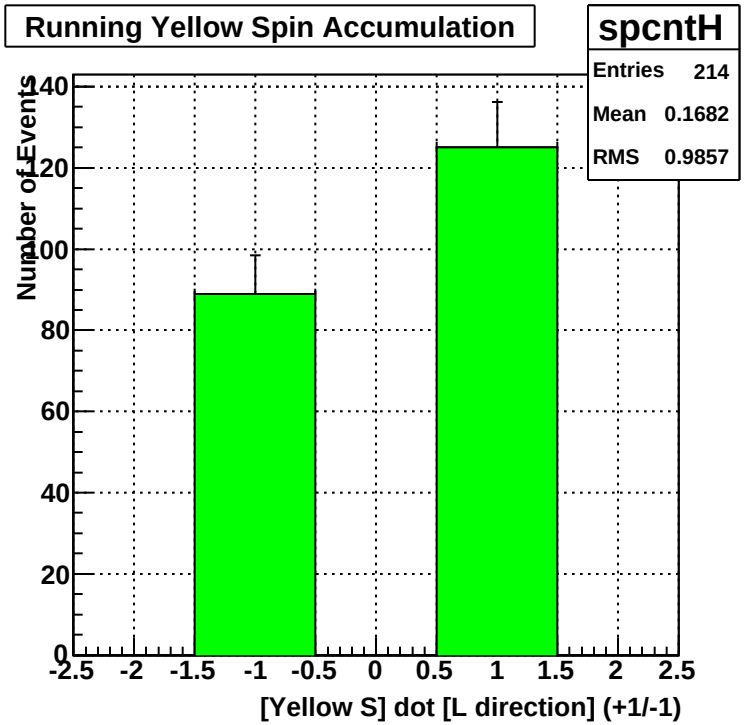
214) Rnum=7125015 EventN=1004282 (1 Yu-S[-])

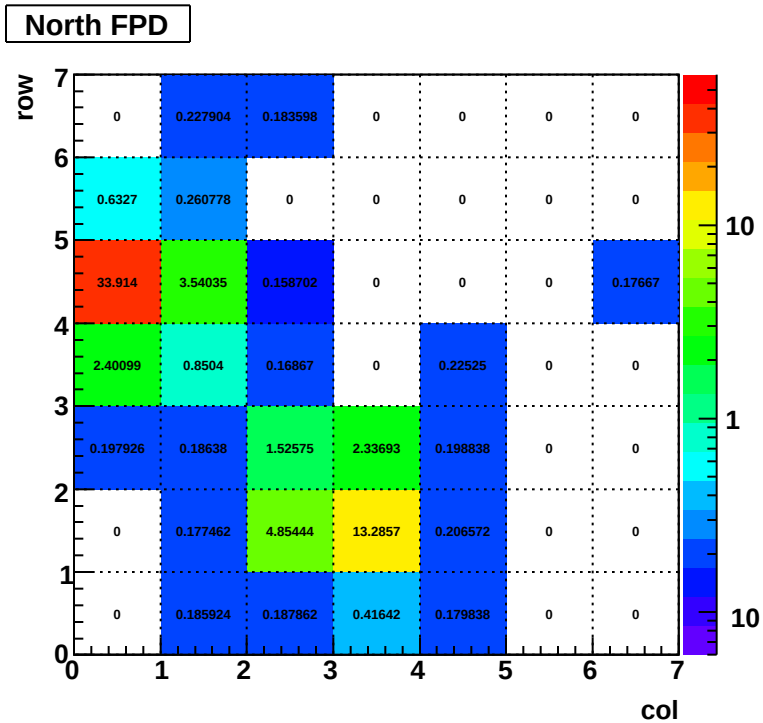
(1) Energy=43.314587 Y=-3.877138 Phi=-3.062197

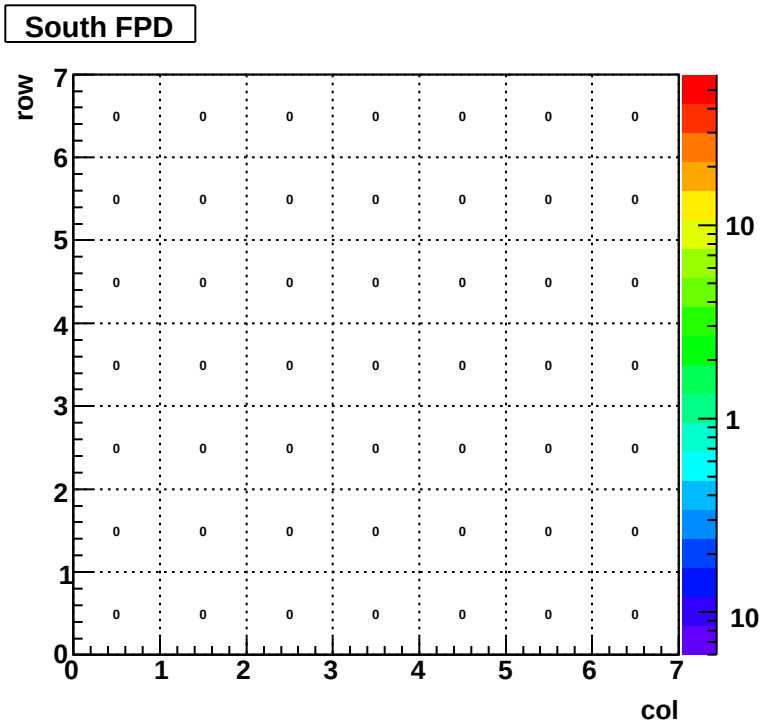
(2) Energy=21.896486 Y=-3.629589 Phi=2.979253

M12=0.499 Y12=-3.794 Phi12=3.126 E12=65.211

SumN(-) = 89 SumN(+)= 125 AN/.6=0.280







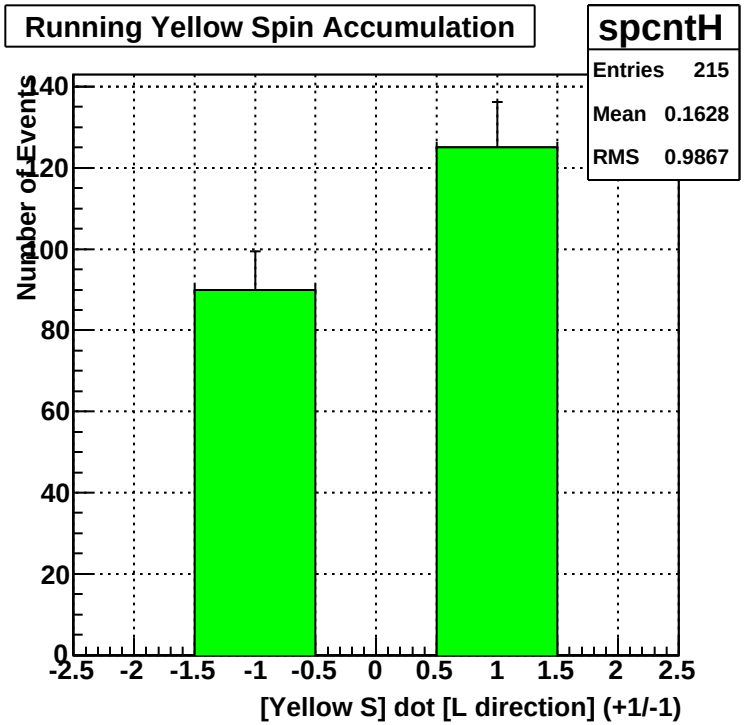
215) Rnum=7125015 EventN=1005442 (2 Yd-N[-])

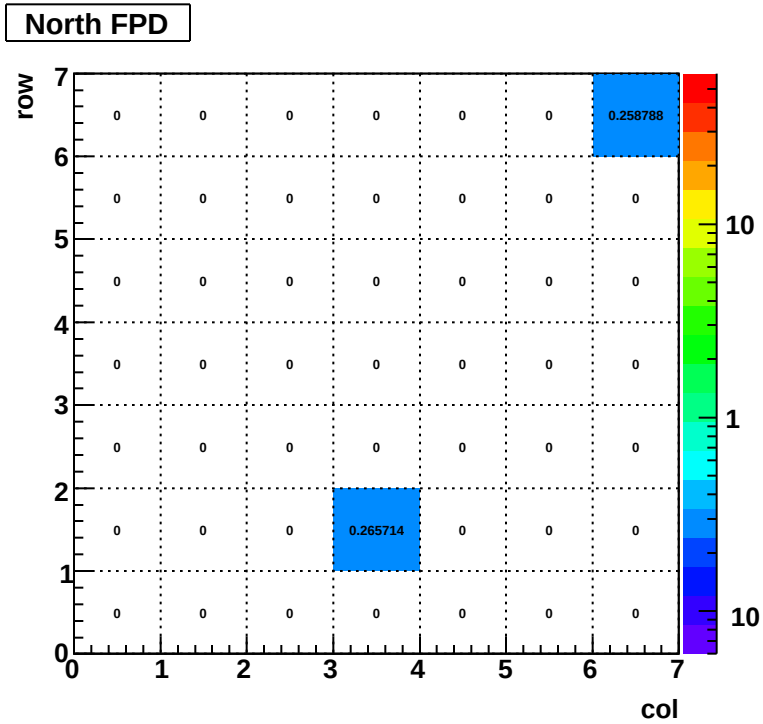
(1) Energy=36.146622 Y=-3.533549 Phi=-0.086531

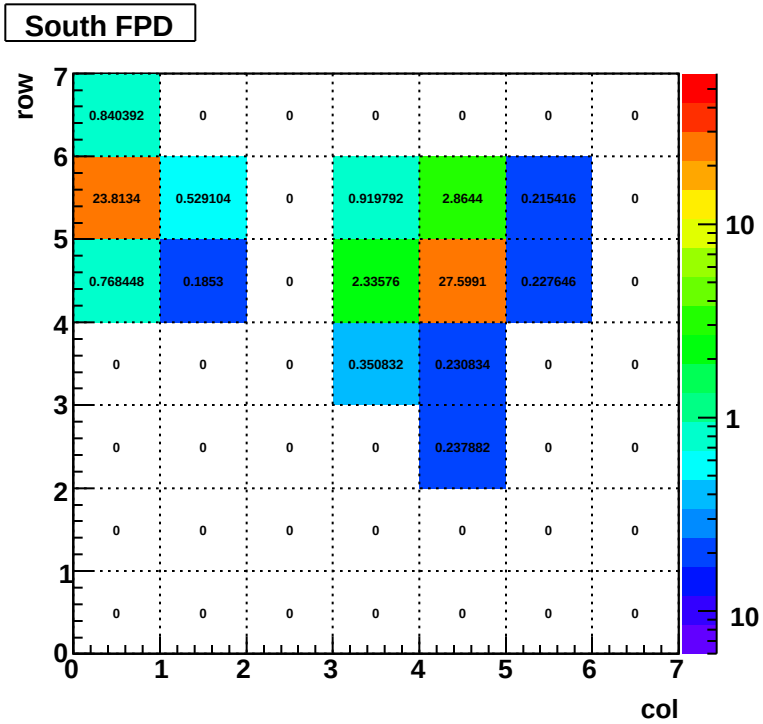
(2) Energy=30.223818 Y=-3.893970 Phi=-0.216368

M12=0.620 Y12=-3.684 Phi12=-0.134 E12=66.370

SumN(-) = 90 SumN(+)= 125 AN/.6=0.271







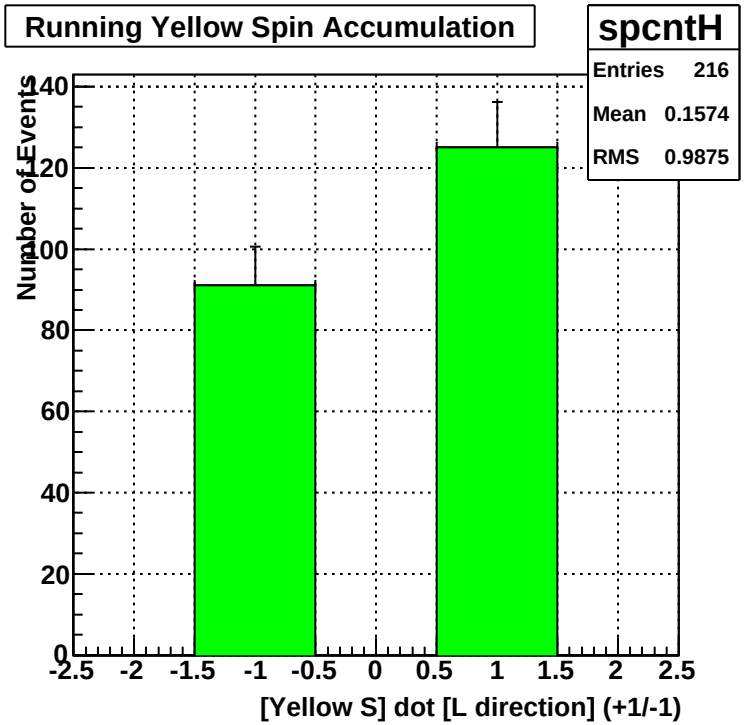
216) Rnum=7125016 EventN=4705026 (2 Yd-N[-])

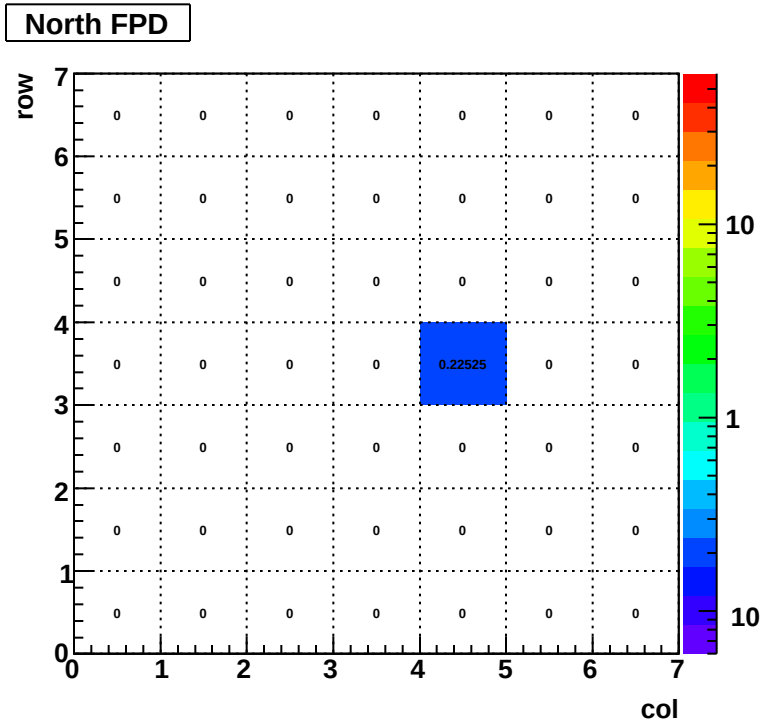
(1) Energy=55.017426 Y=-3.684972 Phi=-0.196750

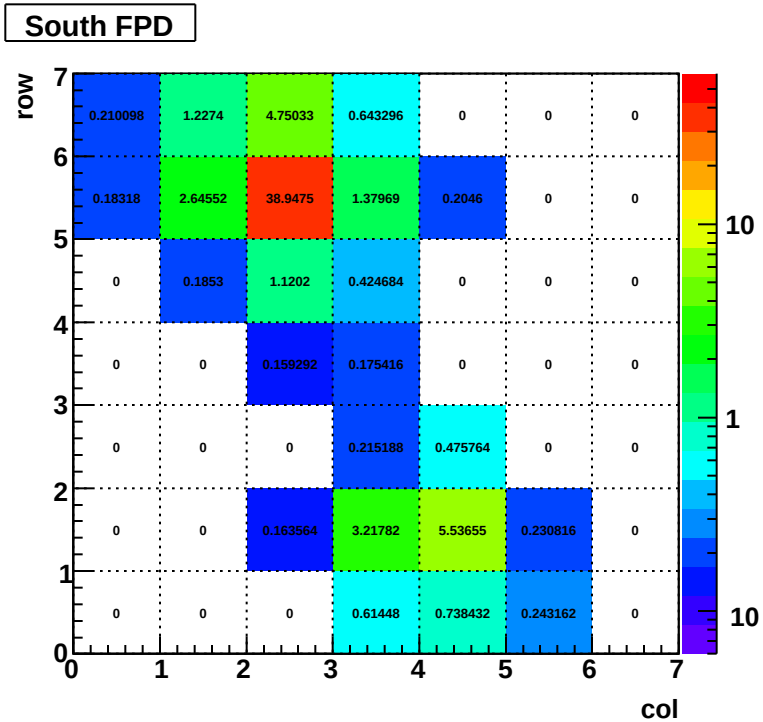
(2) Energy=10.323459 Y=-3.540362 Phi=0.190183

M12=0.528 Y12=-3.672 Phi12=-0.129 E12=65.341

SumN(-) = 91 SumN(+)= 125 AN/.6=0.262







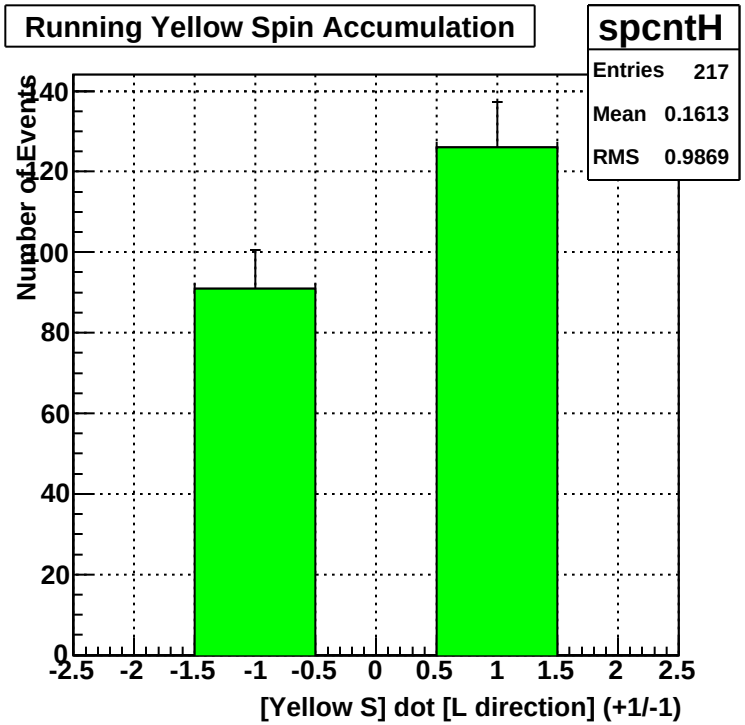
217) Rnum=7125016 EventN=105985 (0 Yd-S[+])

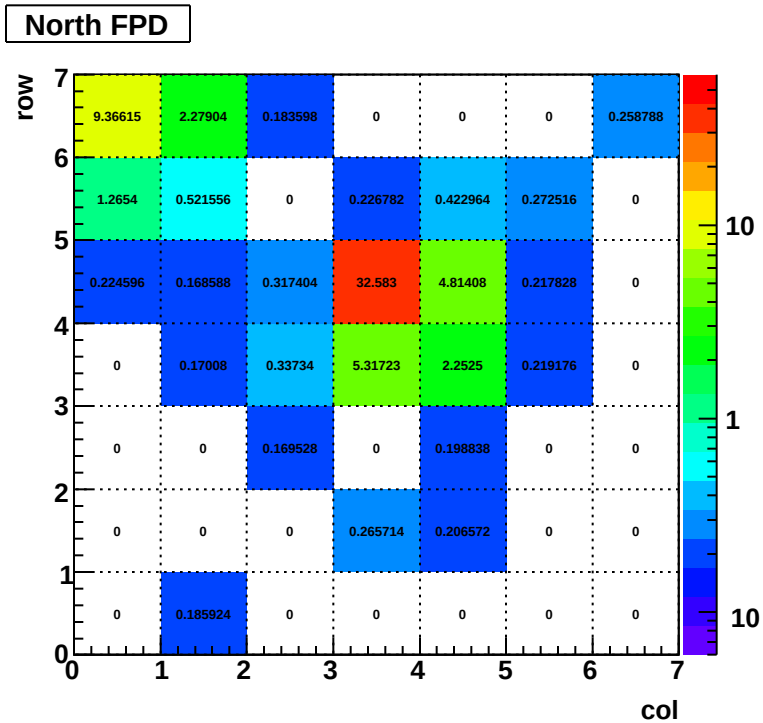
(1) Energy=47.795818 Y=-3.579384 Phi=-3.095237

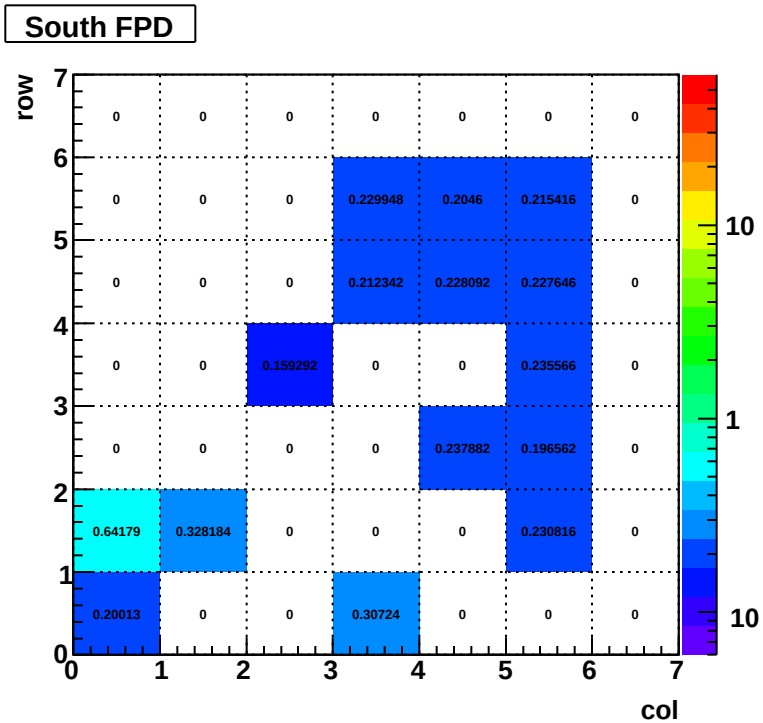
(2) Energy=15.133659 Y=-3.824757 Phi=-2.856908

M12=0.454 Y12=-3.638 Phi12=-3.048 E12=62.929

SumN(-) = 91 SumN(+)= 126 AN/.6=0.269







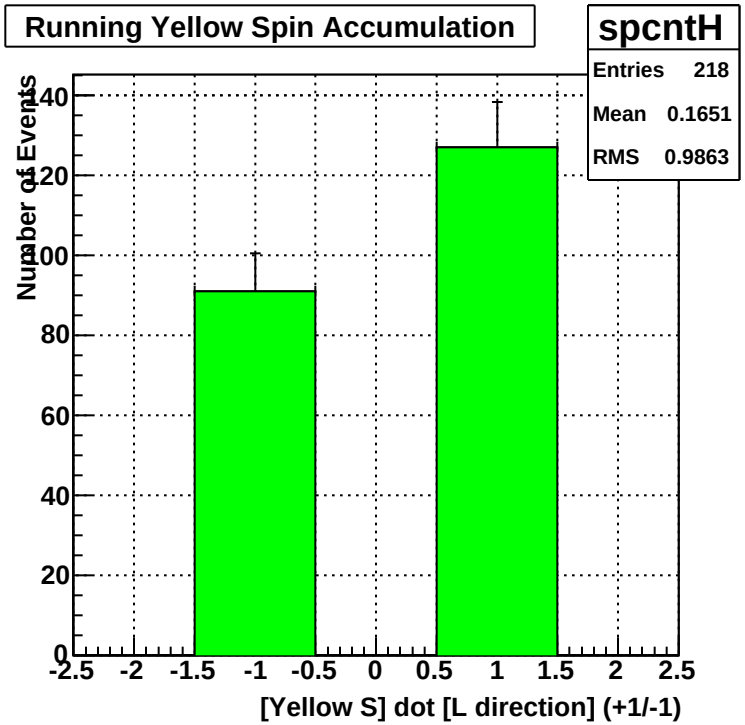
218) Rnum=7125021 EventN=2202315 (3 Yu-N[+])

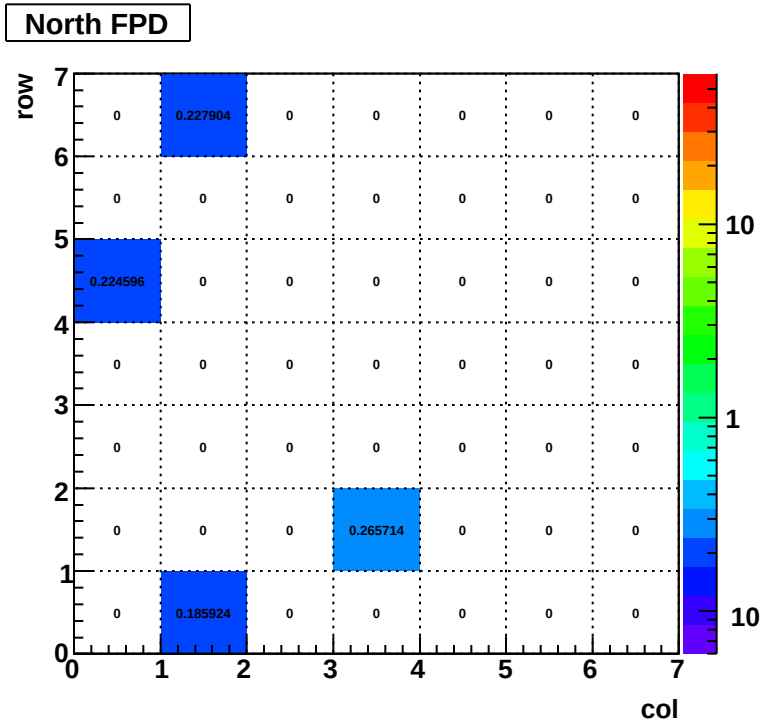
(1) Energy=50.842102 Y=-3.832139 Phi=-0.065252

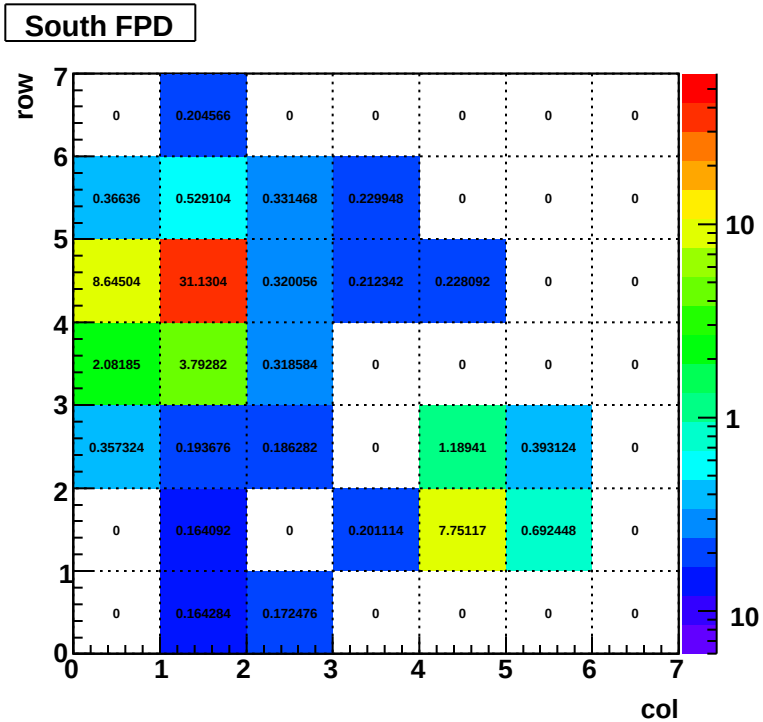
(2) Energy=10.394488 Y=-3.496760 Phi=0.148651

M12=0.470 Y12=-3.771 Phi12=-0.018 E12=61.237

SumN(-) = 91 SumN(+)= 127 AN/.6=0.275







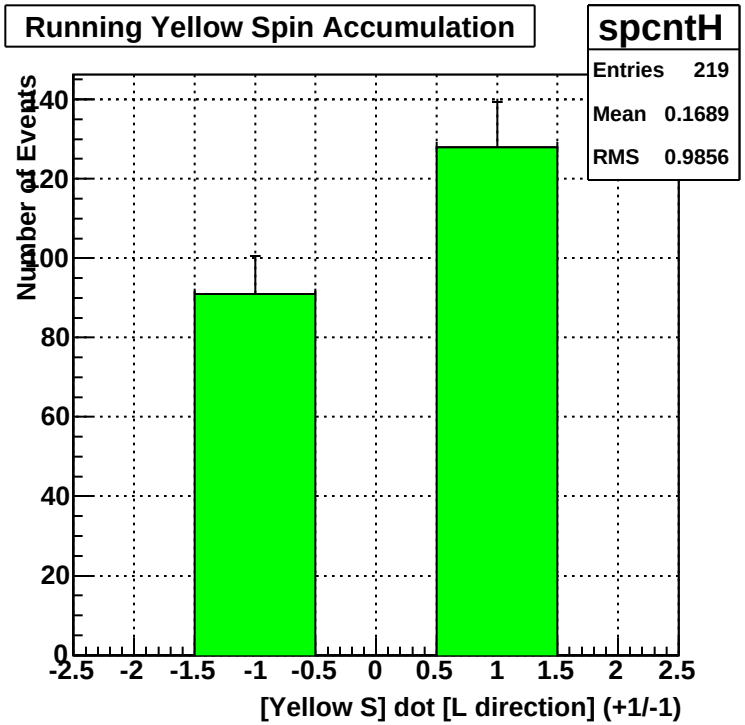
219) Rnum=7125028 EventN=6700392 (2 Yd-S[+])

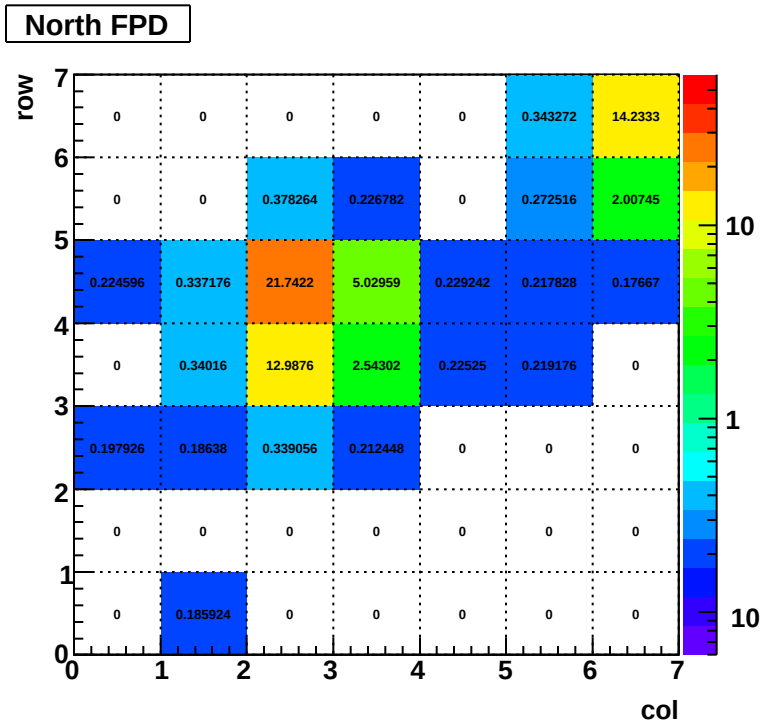
(1) Energy=47.460369 Y=-3.666654 Phi=-3.104959

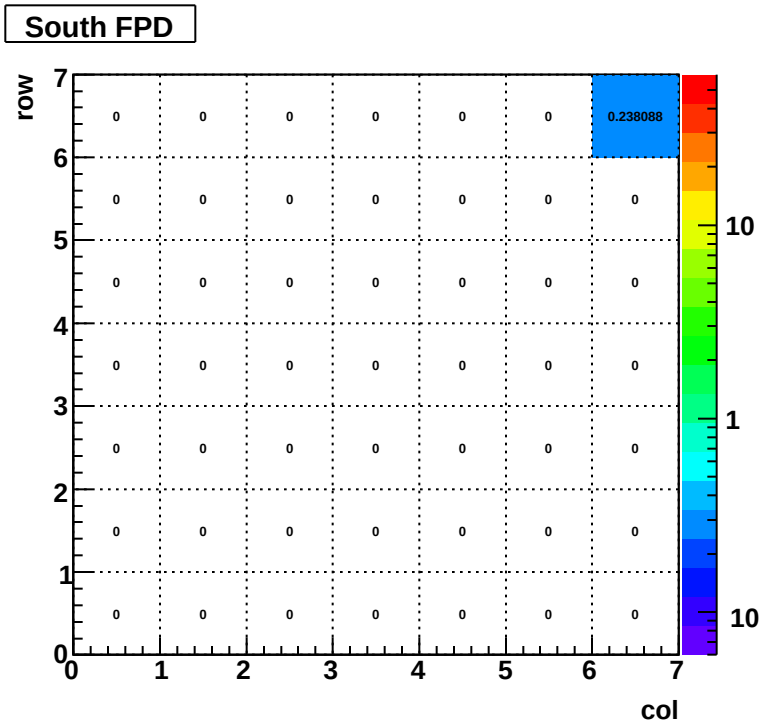
(2) Energy=14.840759 Y=-3.353662 Phi=-2.968673

M12=0.543 Y12=-3.585 Phi12=-3.064 E12=62.301

SumN(-) = 91 SumN(+)= 128 AN/.6=0.282







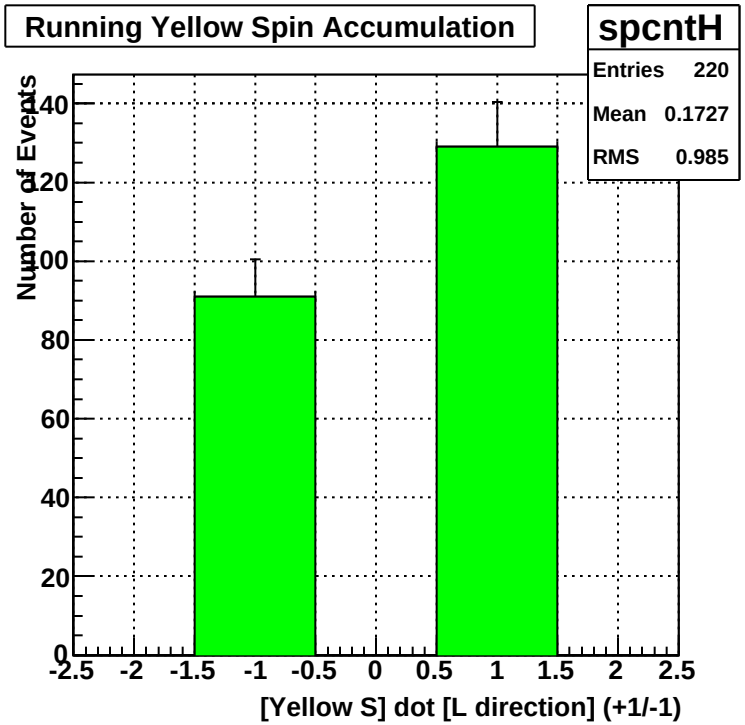
220) Rnum=7125029 EventN=1402341 (3 Yu-N[+])

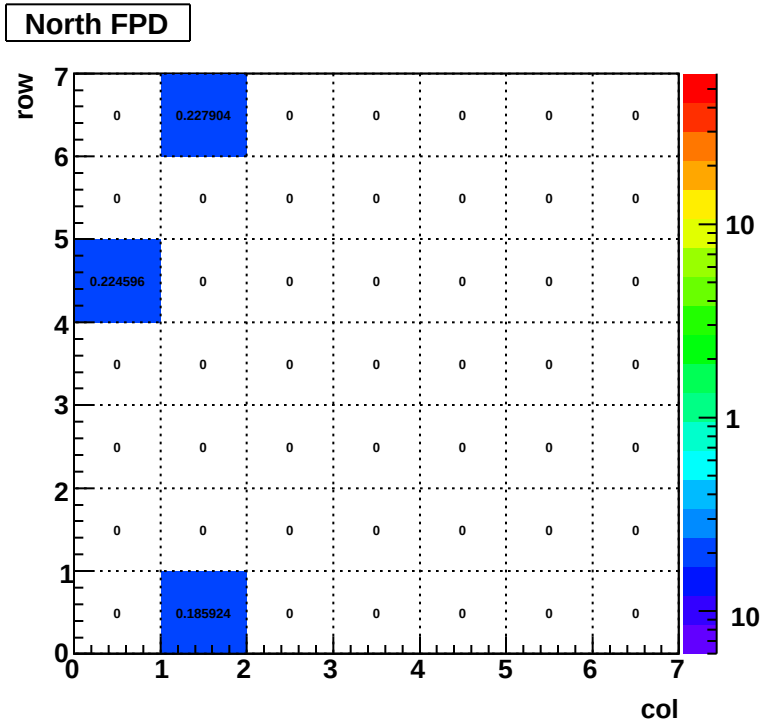
(1) Energy=41.816654 Y=-3.701660 Phi=-0.015477

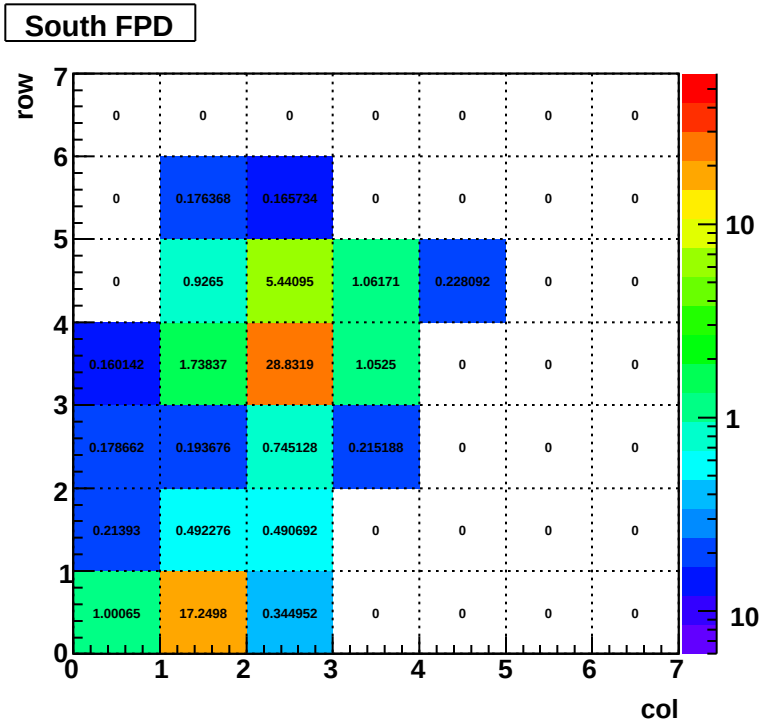
(2) Energy=23.756077 Y=-3.748168 Phi=0.332606

M12=0.531 Y12=-3.732 Phi12=0.106 E12=65.573

SumN(-) = 91 SumN(+)= 129 AN/.6=0.288







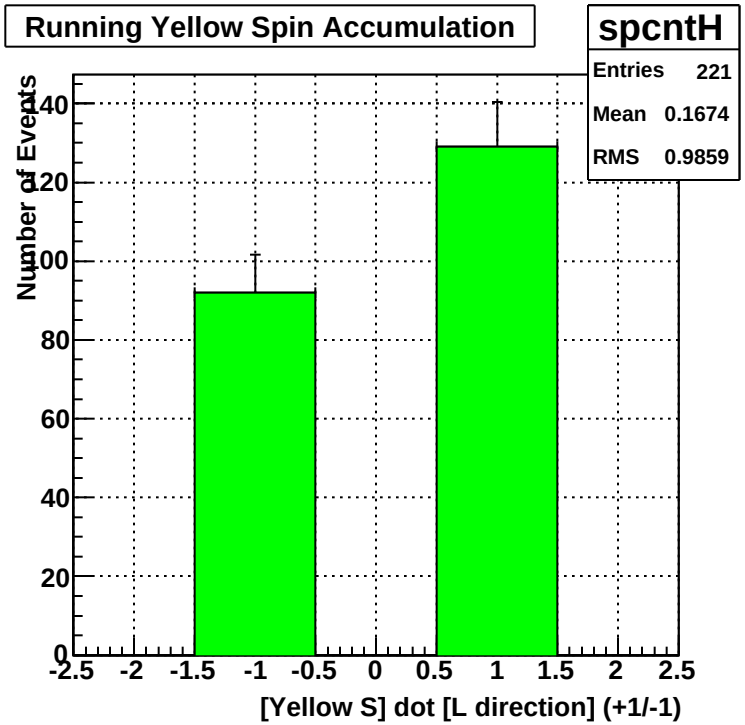
221) Rnum=7125044 EventN=404692 (3 Yu-S[-])

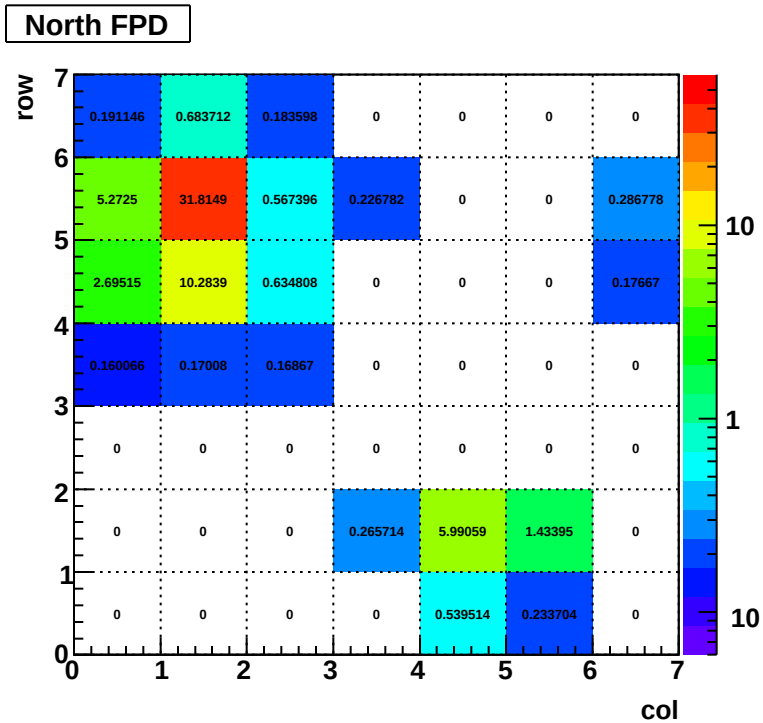
(1) Energy=51.644714 Y=-3.813698 Phi=-2.986585

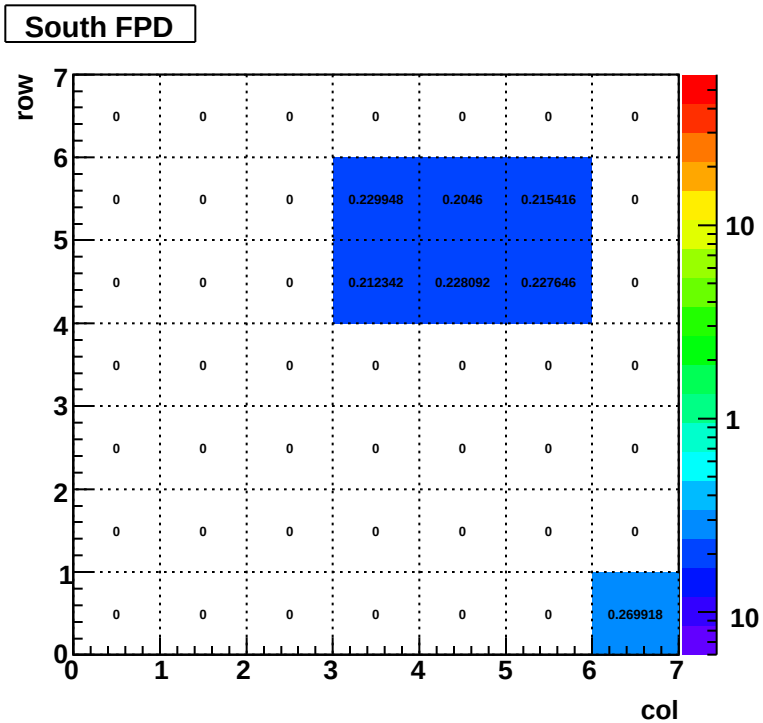
(2) Energy=8.935191 Y=-3.480123 Phi=2.964180

M12=0.527 Y12=-3.766 Phi12=-3.051 E12=60.580

SumN(-) = 92 SumN(+)= 129 AN/.6=0.279







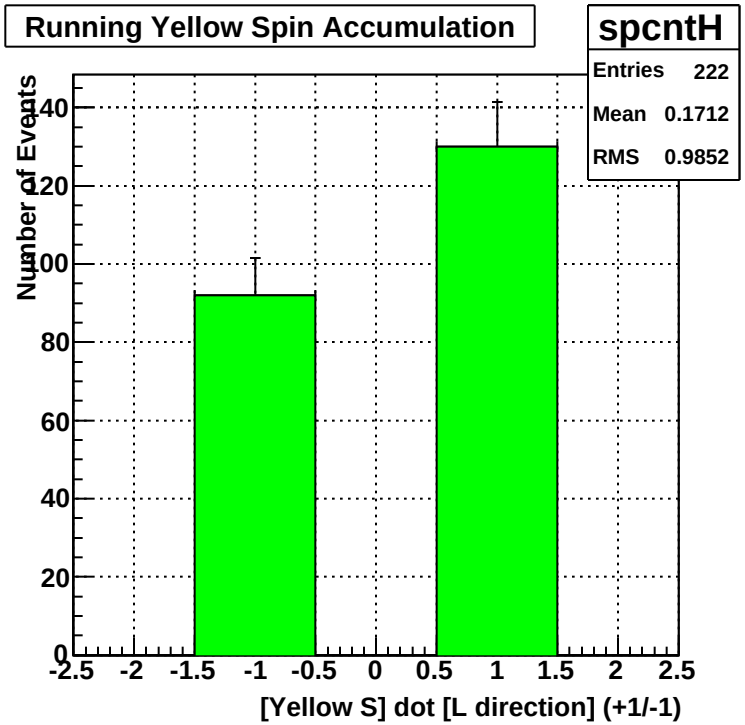
222) Rnum=7125044 EventN=9408048 (3 Yu-N[+])

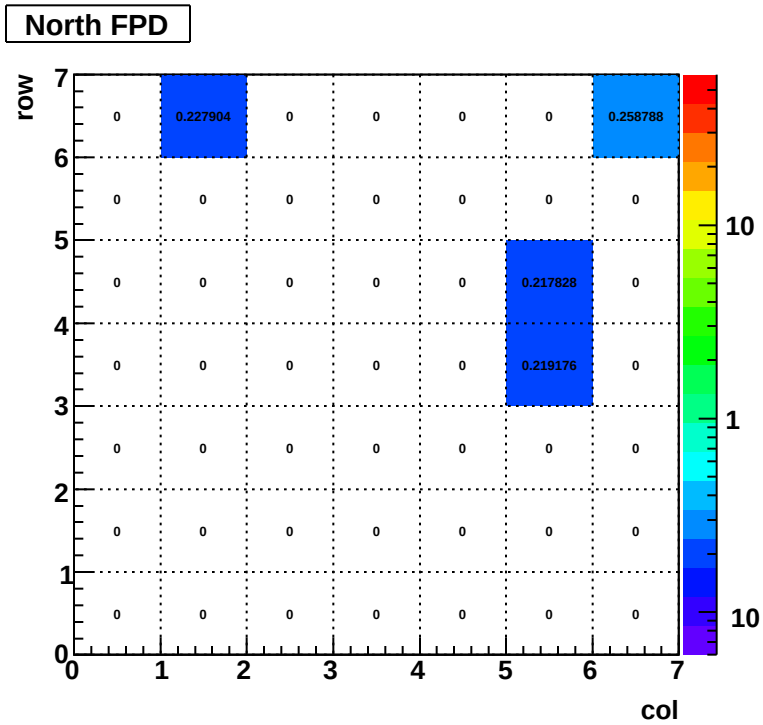
(1) Energy=39.235737 Y=-3.888900 Phi=0.018530

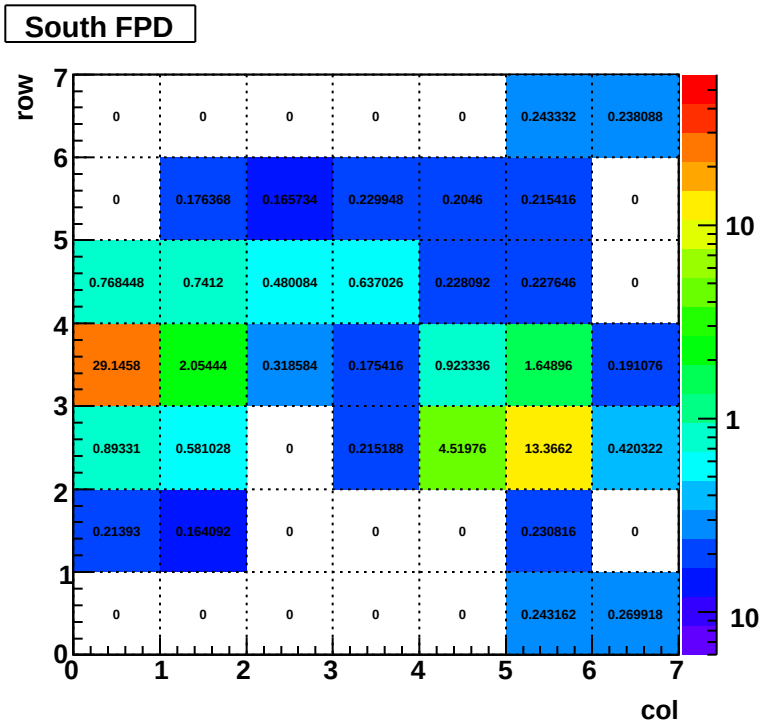
(2) Energy=21.723751 Y=-3.472501 Phi=0.069571

M12=0.621 Y12=-3.720 Phi12=0.042 E12=60.959

SumN(-) = 92 SumN(+)= 130 AN/.6=0.285







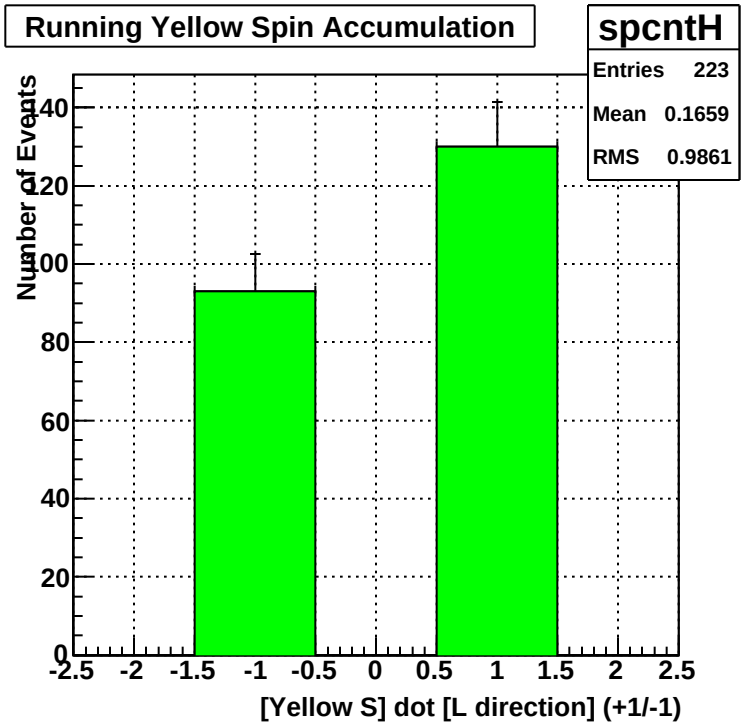
223) Rnum=7125052 EventN=3505061 (3 Yu-S[-])

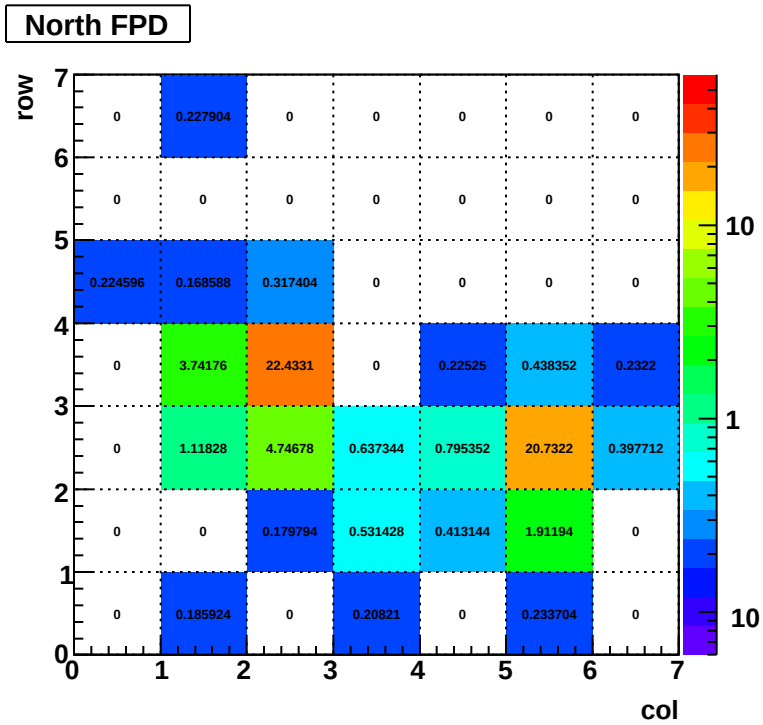
(1) Energy=35.299915 Y=-3.720073 Phi=3.095387

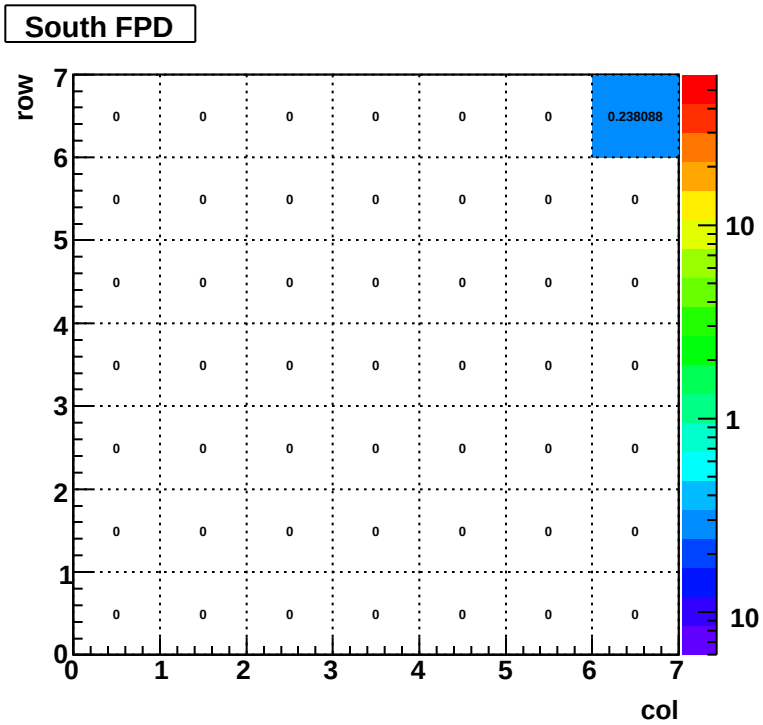
(2) Energy=25.469584 Y=-3.443798 Phi=3.044083

M12=0.470 Y12=-3.595 Phi12=3.070 E12=60.770

SumN(-) = 93 SumN(+)= 130 AN/.6=0.277







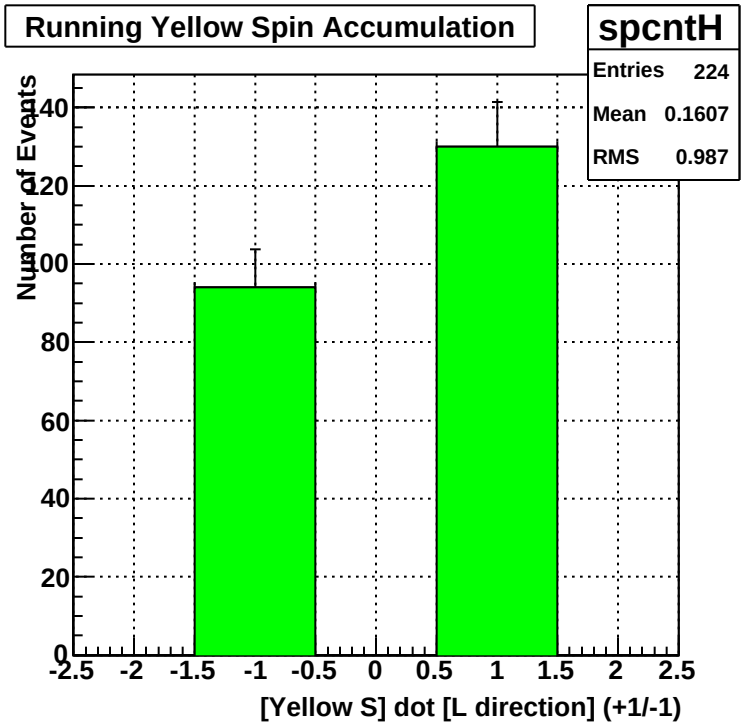
224) Rnum=7125052 EventN=3708230 (3 Yu-S[-])

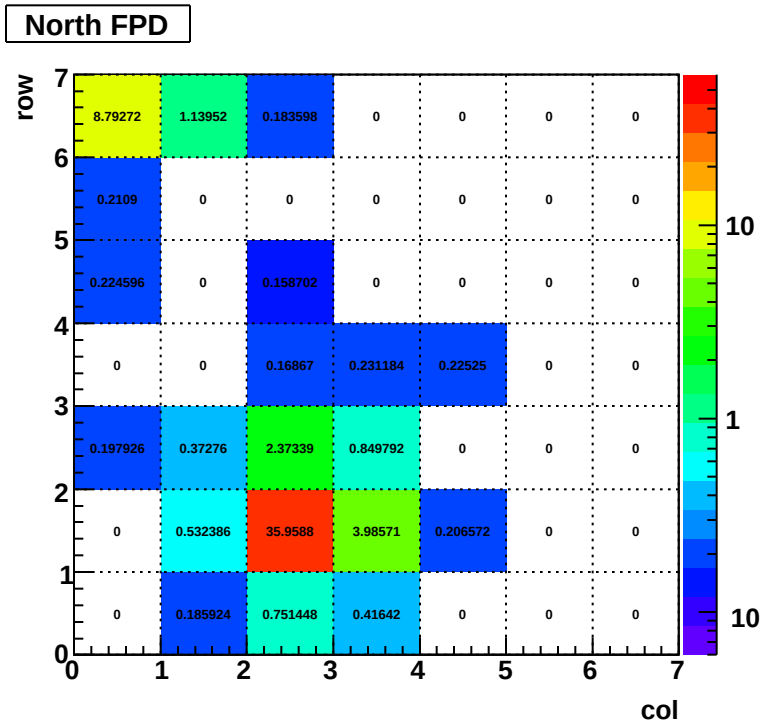
(1) Energy=48.085178 Y=-3.661123 Phi=2.954468

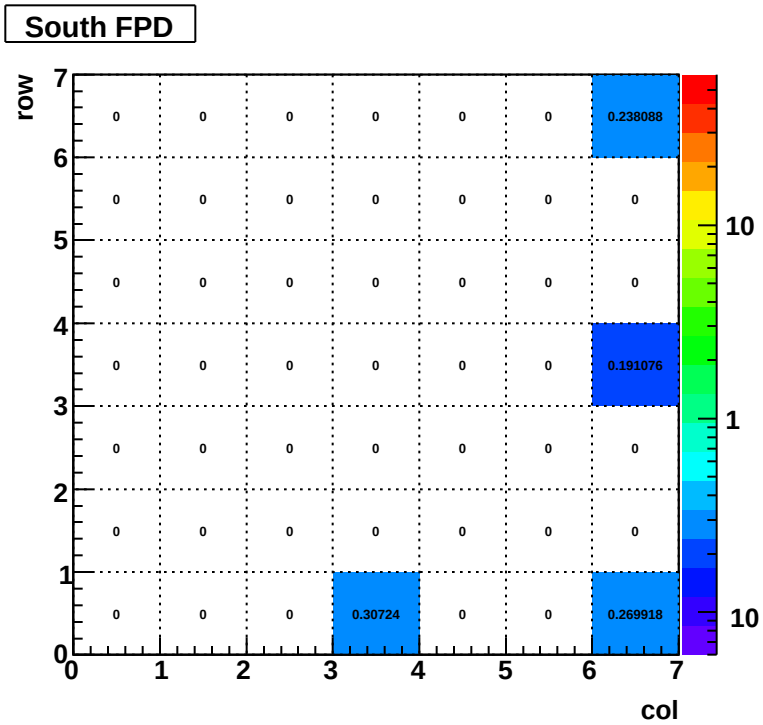
(2) Energy=12.344663 Y=-3.824487 Phi=-2.815680

M12=0.615 Y12=-3.712 Phi12=3.044 E12=60.430

SumN(-) = 94 SumN(+)= 130 AN/.6=0.268







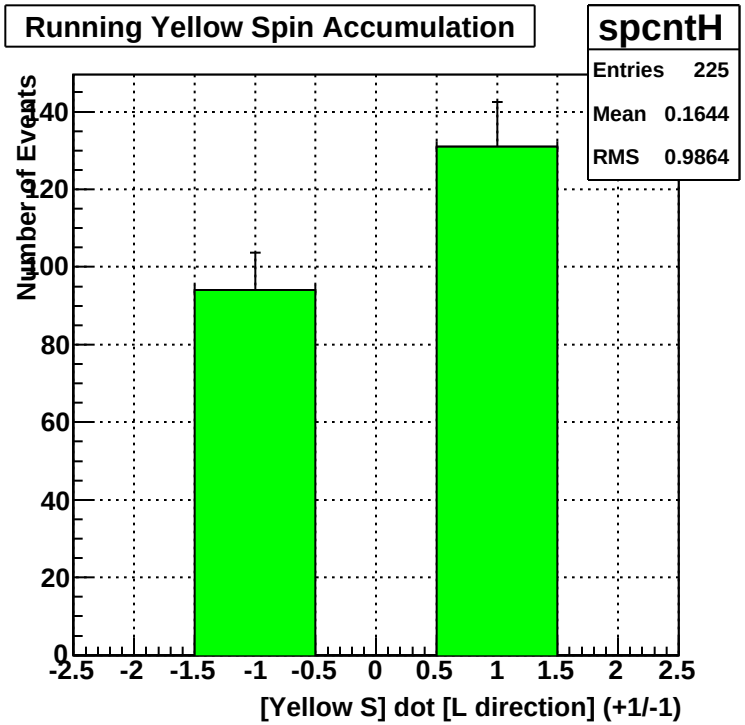
225) Rnum=7125052 EventN=4300581 (1 Yu-N[+])

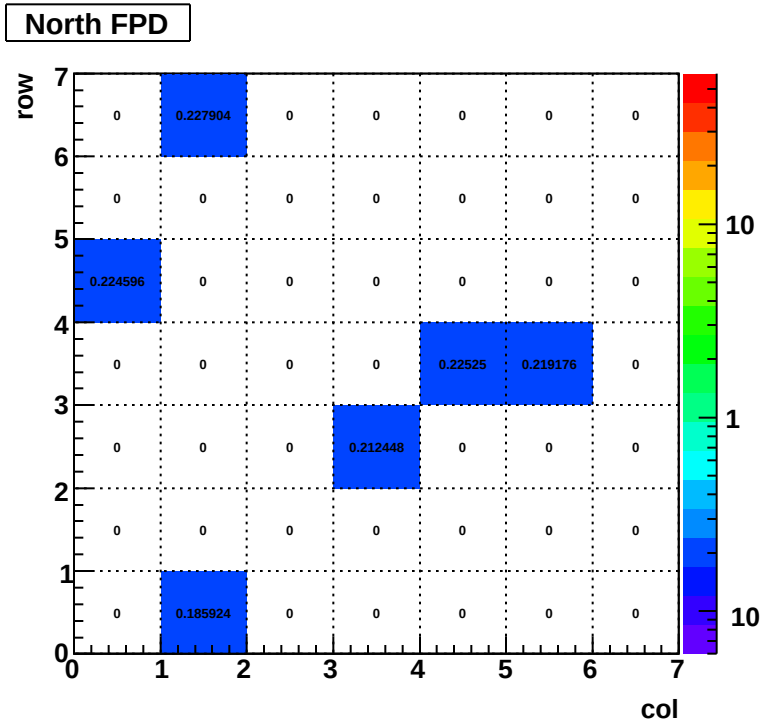
(1) Energy=41.769592 Y=-3.918019 Phi=0.120677

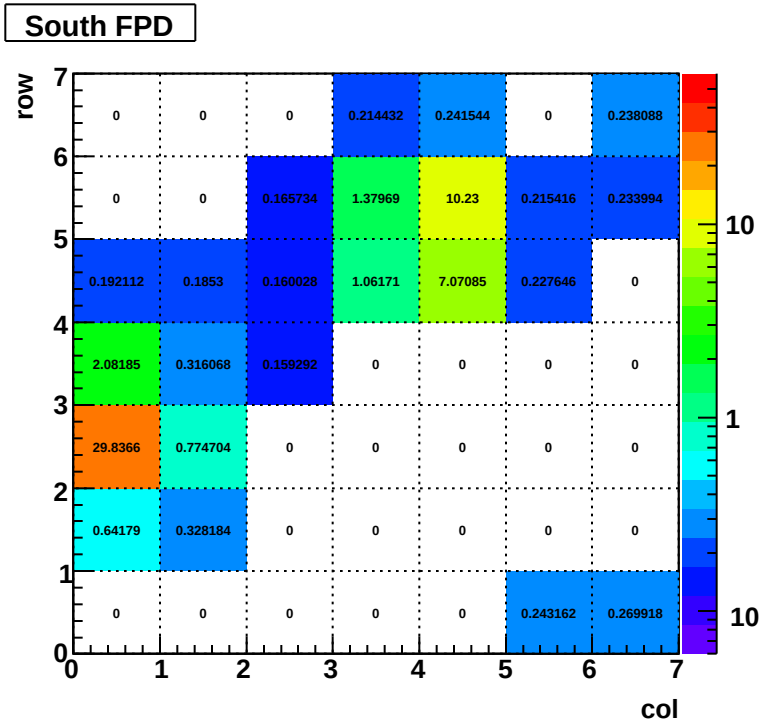
(2) Energy=21.016674 Y=-3.534309 Phi=-0.111540

M12=0.642 Y12=-3.779 Phi12=0.022 E12=62.786

SumN(-) = 94 SumN(+)= 131 AN/.6=0.274







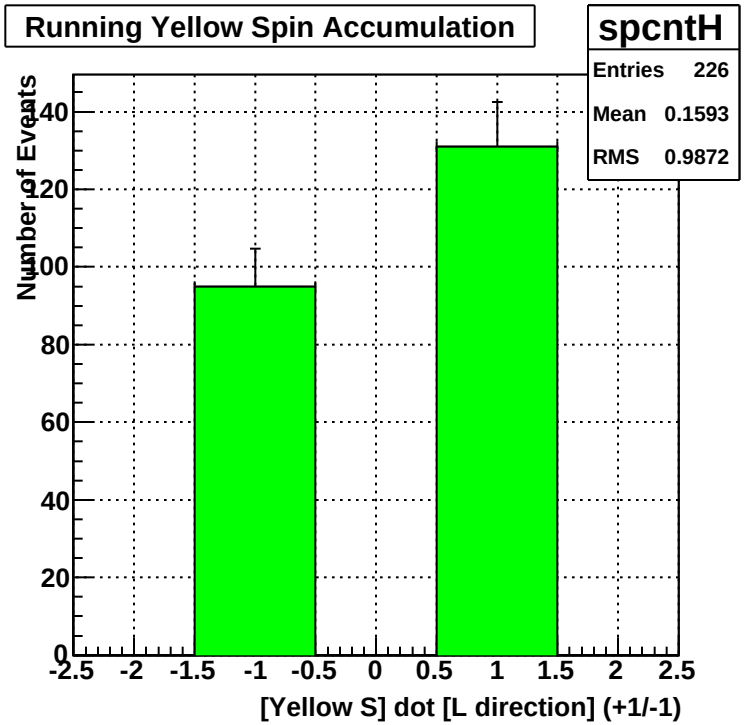
226) Rnum=7125052 EventN=504354 (2 Yd-N[-])

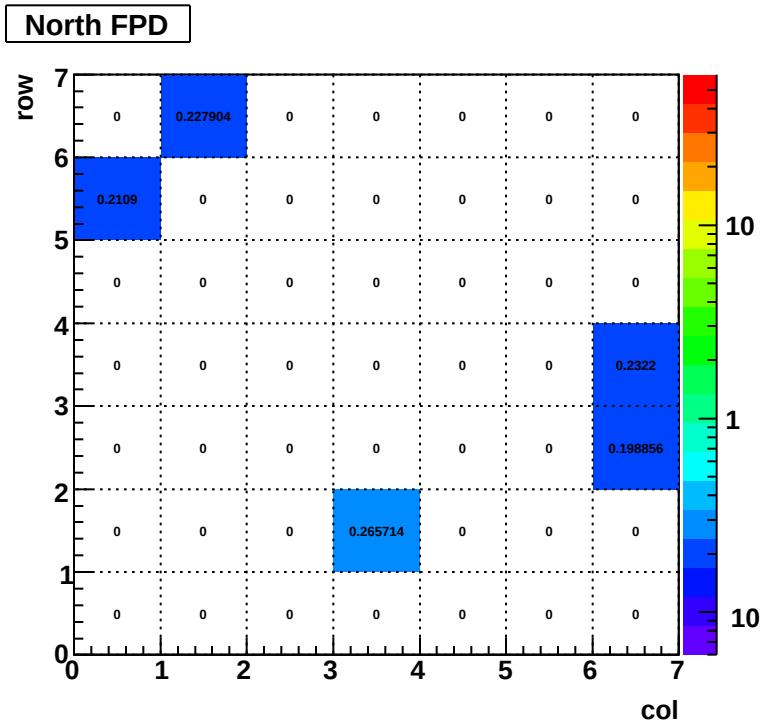
(1) Energy=47.288628 Y=-3.926141 Phi=0.026442

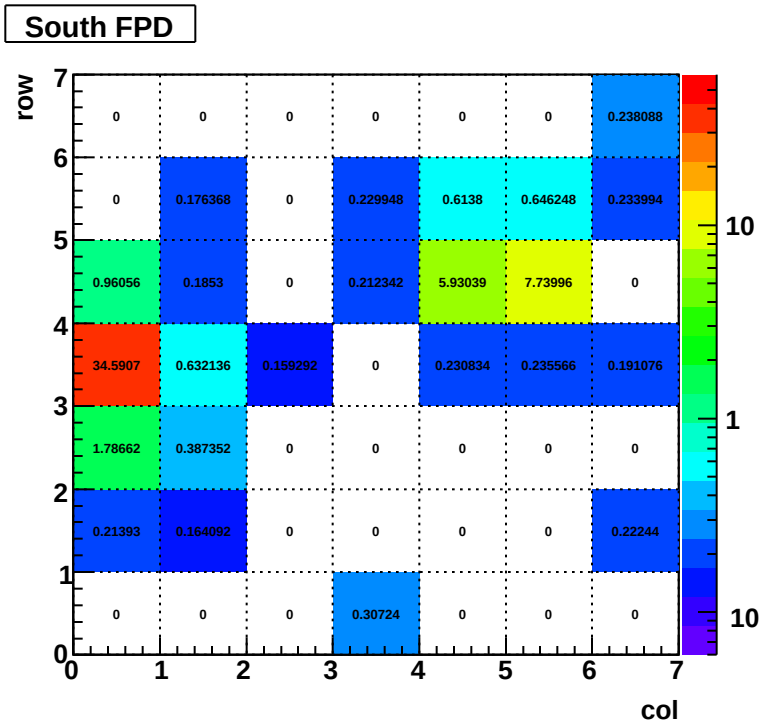
(2) Energy=15.967339 Y=-3.478491 Phi=-0.075557

M12=0.627 Y12=-3.794 Phi12=-0.009 E12=63.256

SumN(-) = 95 SumN(+)= 131 AN/.6=0.265







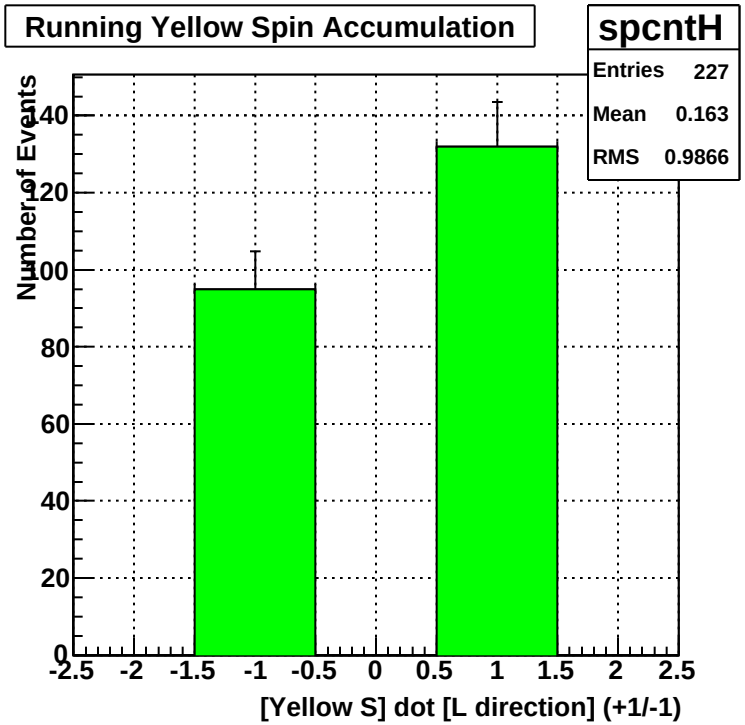
227) Rnum=7125052 EventN=9605542 (0 Yd-S[+])

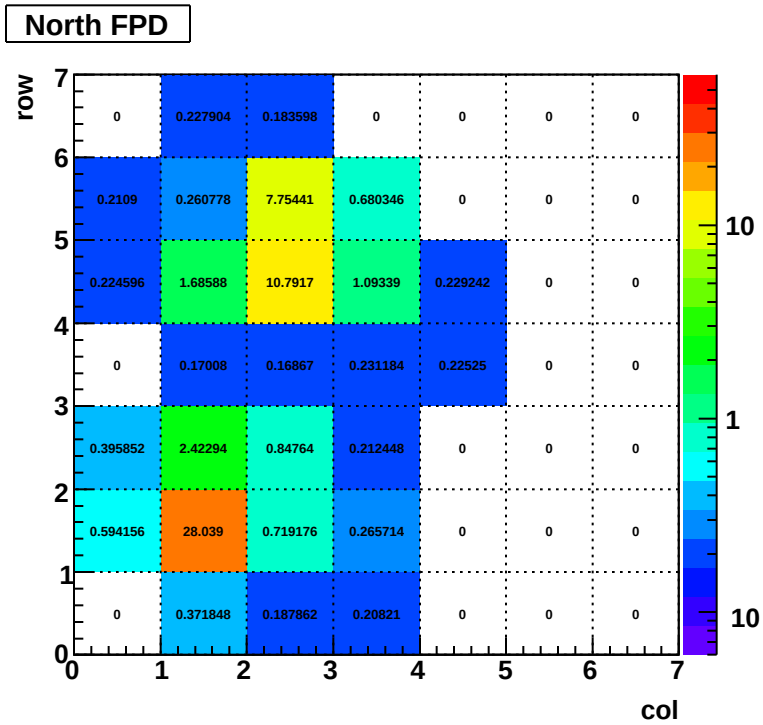
(1) Energy=37.190914 Y=-3.771601 Phi=2.938951

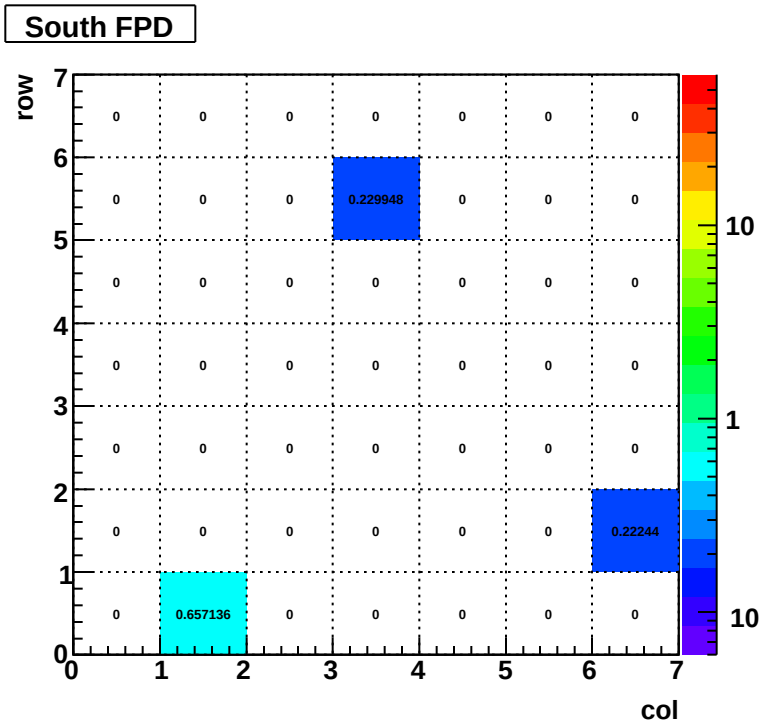
(2) Energy=23.435356 Y=-3.680182 Phi=-3.018026

M12=0.480 Y12=-3.748 Phi12=3.072 E12=60.626

SumN(-) = 95 SumN(+)= 132 AN/.6=0.272







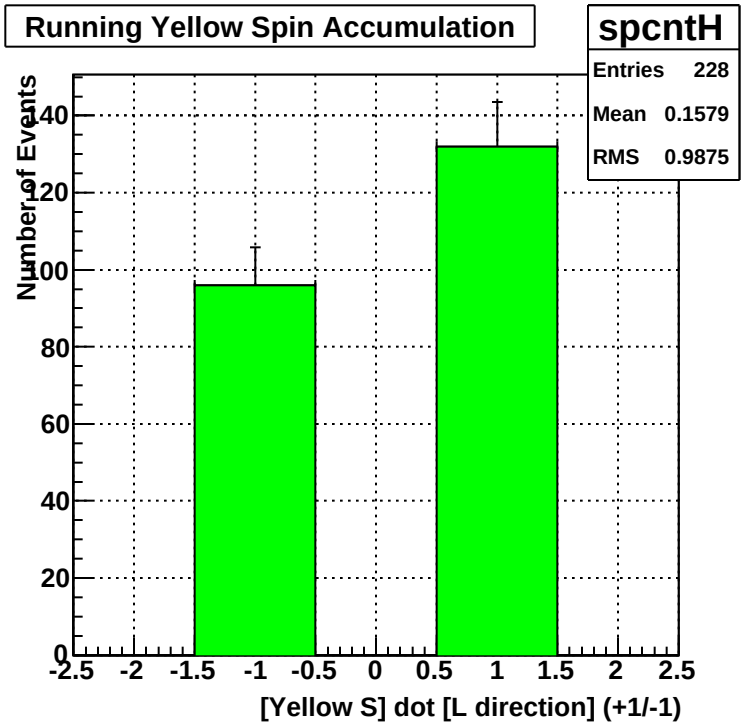
228) Rnum=7125053 EventN=705253 (0 Yd-N[-])

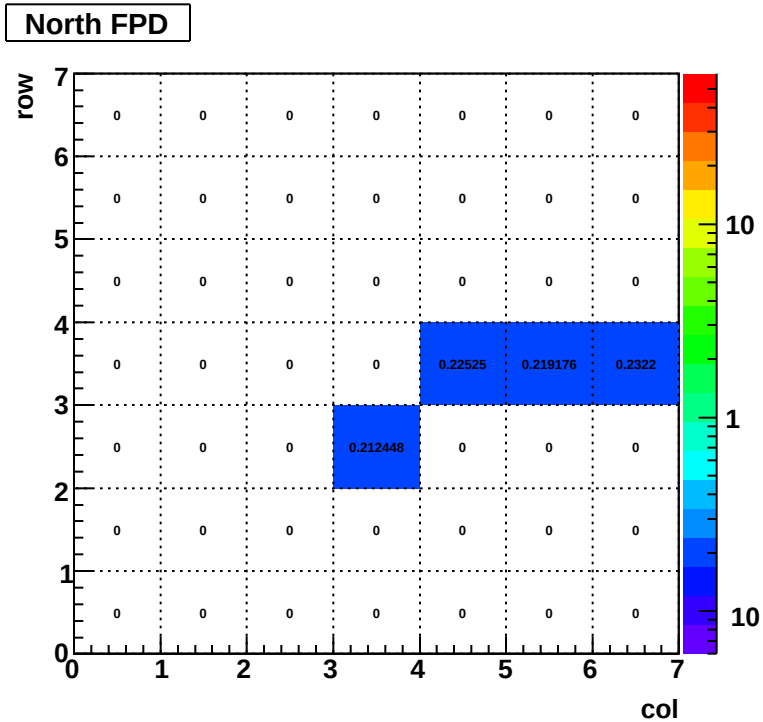
(1) Energy=34.059826 Y=-3.679771 Phi=-0.097218

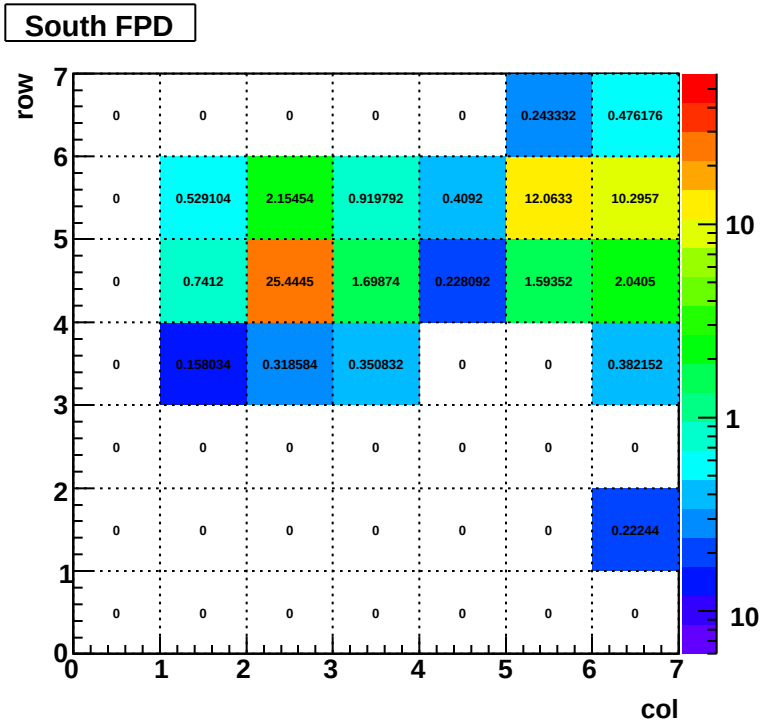
(2) Energy=27.927229 Y=-3.403383 Phi=-0.112894

M12=0.496 Y12=-3.546 Phi12=-0.105 E12=61.987

SumN(-) = 96 SumN(+)= 132 AN/.6=0.263







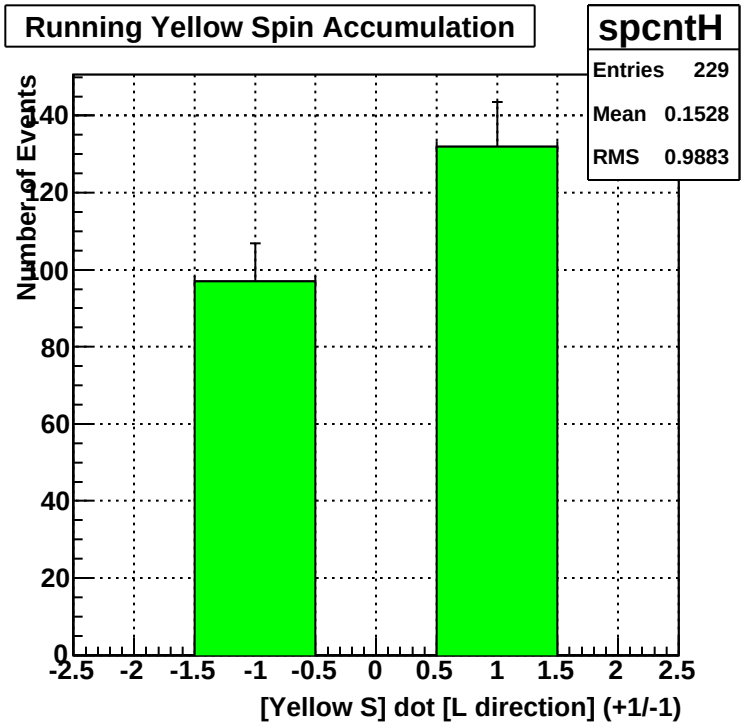
229) Rnum=7125054 EventN=1405309 (0 Yd-N[-])

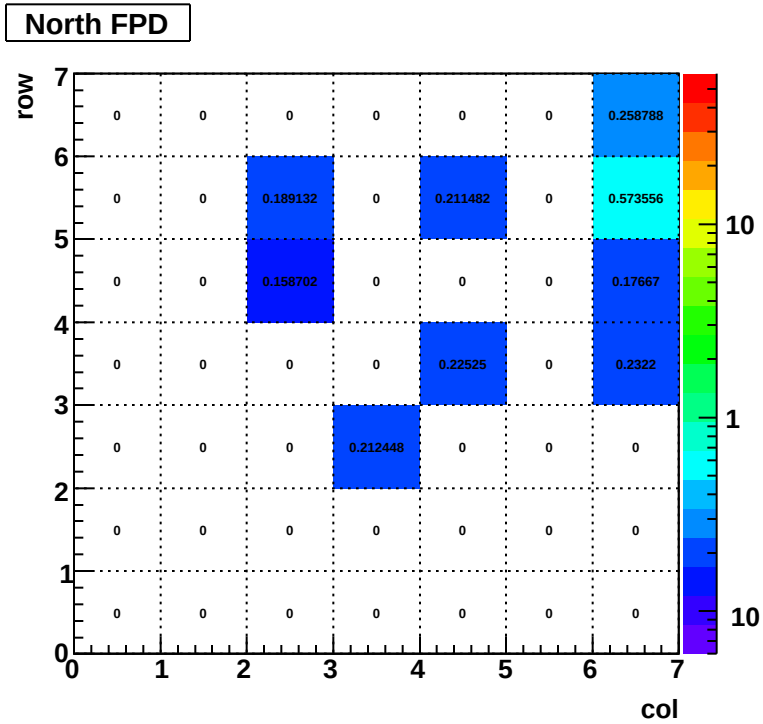
(1) Energy=31.013912 Y=-3.661533 Phi=0.008251

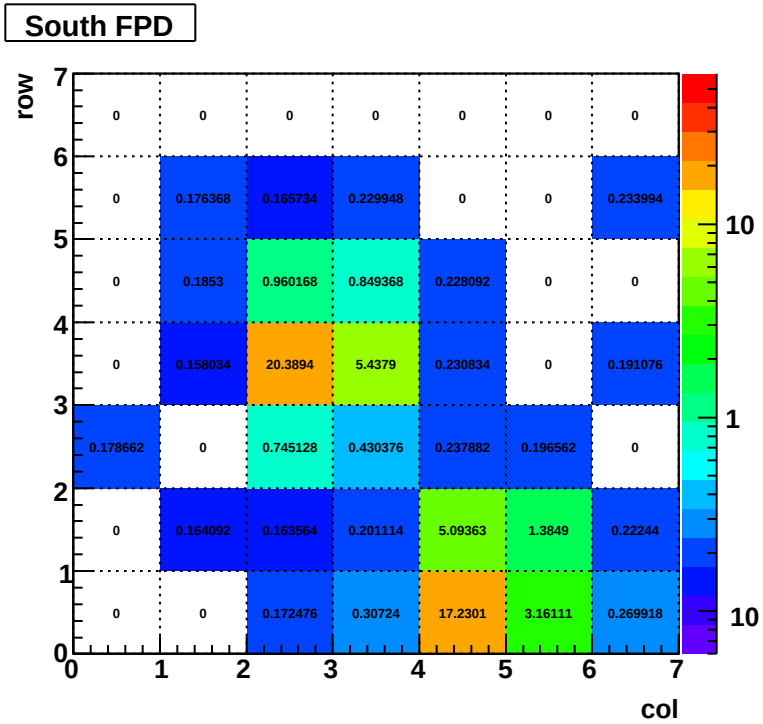
(2) Energy=30.968992 Y=-3.476000 Phi=0.213594

M12=0.483 Y12=-3.570 Phi12=0.120 E12=61.983

SumN(-) = 97 SumN(+)= 132 AN/.6=0.255







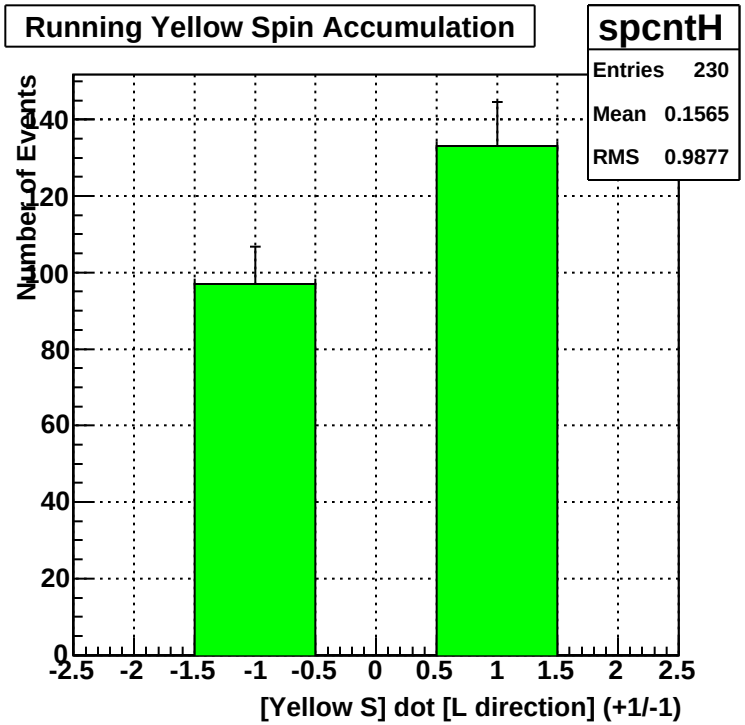
230) Rnum=7125054 EventN=1804578 (0 Yd-S[+])

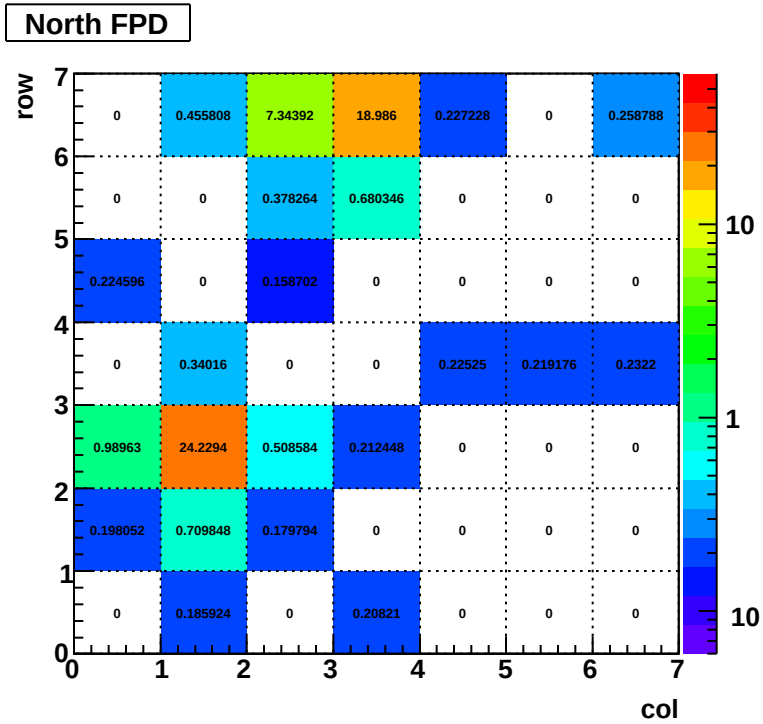
(1) Energy=30.453920 Y=-3.792360 Phi=3.016931

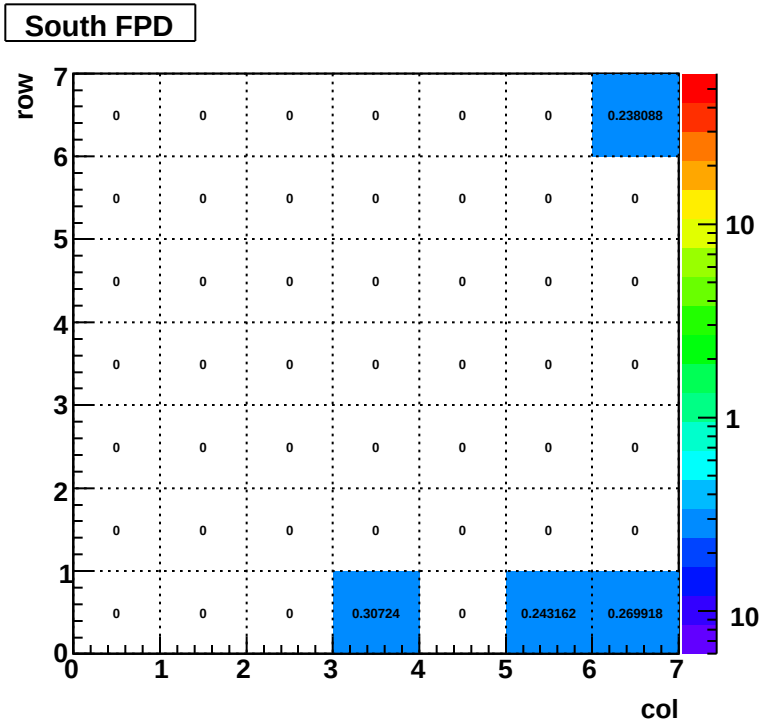
(2) Energy=30.454250 Y=-3.607531 Phi=-2.880811

M12=0.640 Y12=-3.714 Phi12=-3.056 E12=60.908

SumN(-) = 97 SumN(+)= 133 AN/.6=0.261







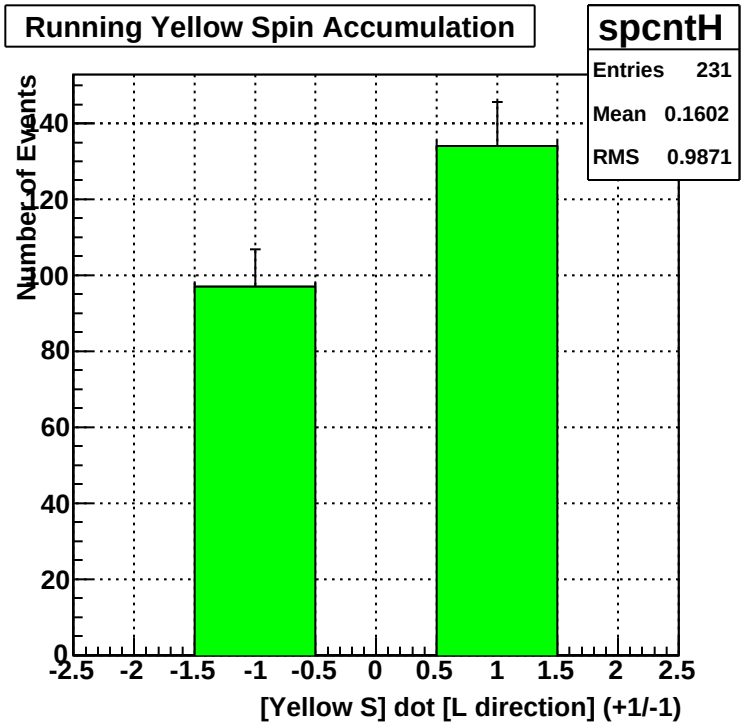
231) Rnum=7125055 EventN=4607052 (3 Yu-N[+])

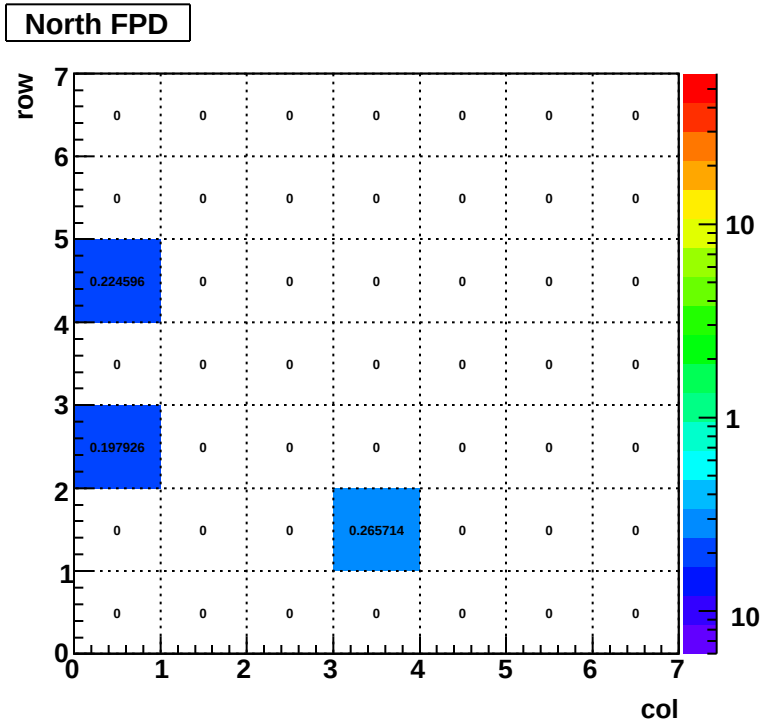
(1) Energy=35.079071 Y=-3.704561 Phi=-0.118335

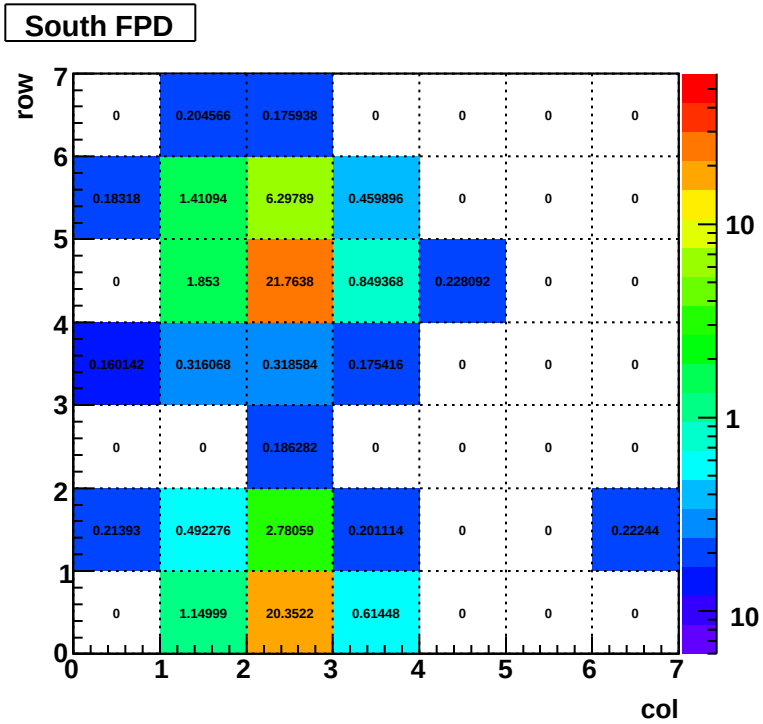
(2) Energy=28.945240 Y=-3.669141 Phi=0.271694

M12=0.621 Y12=-3.707 Phi12=0.061 E12=64.024

SumN(-) = 97 SumN(+)= 134 AN/.6=0.267







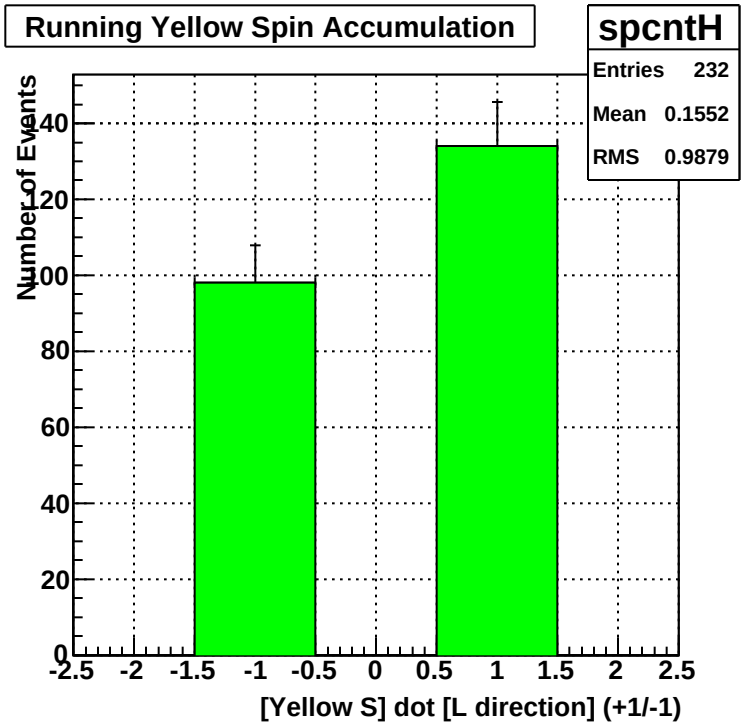
232) Rnum=7125055 EventN=2201469 (0 Yd-N[-])

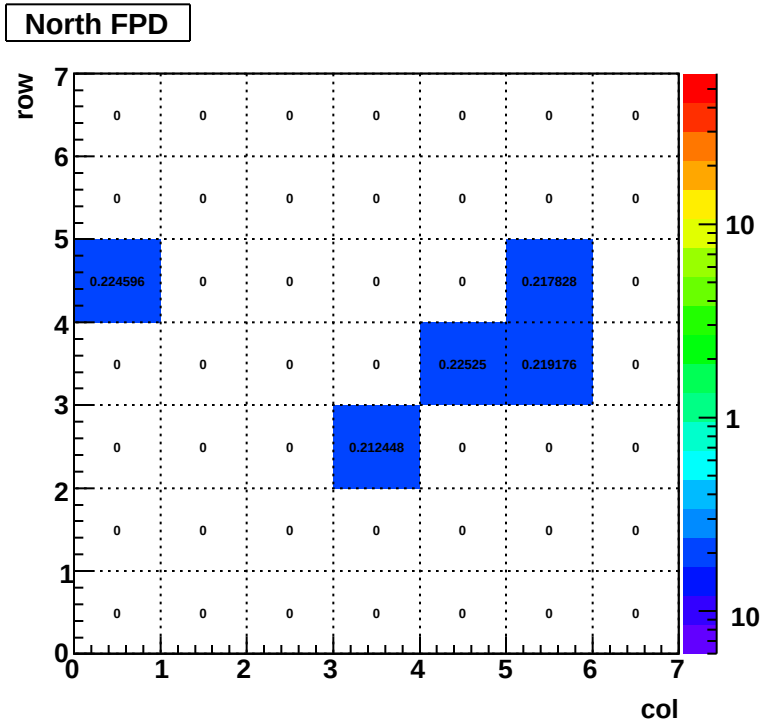
(1) Energy=45.396446 Y=-3.624545 Phi=-0.135546

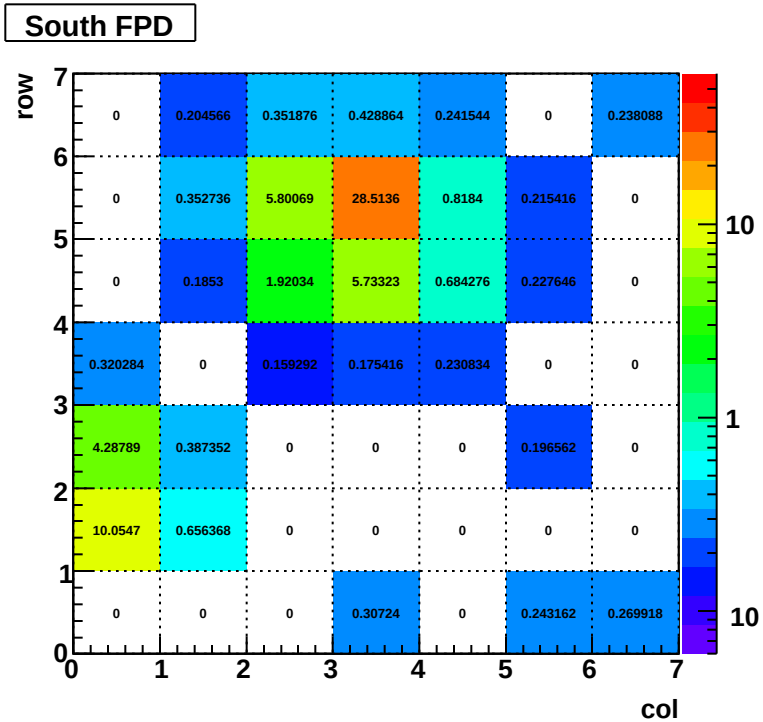
(2) Energy=17.495367 Y=-3.878022 Phi=0.196688

M12=0.552 Y12=-3.699 Phi12=-0.060 E12=62.892

SumN(-) = 98 SumN(+)= 134 AN/.6=0.259







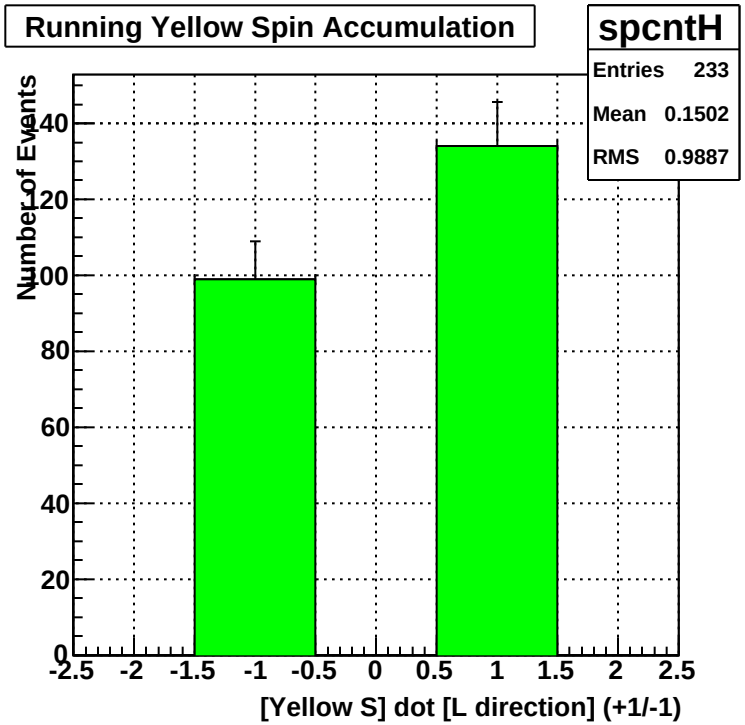
233) Rnum=7125056 EventN=6806928 (2 Yd-N[-])

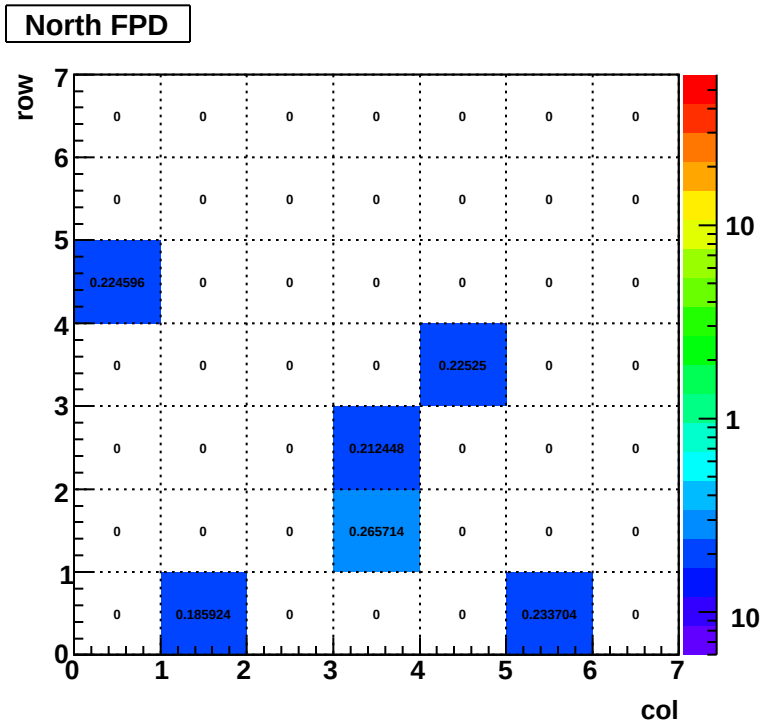
(1) Energy=47.252975 Y=-3.493716 Phi=0.094829

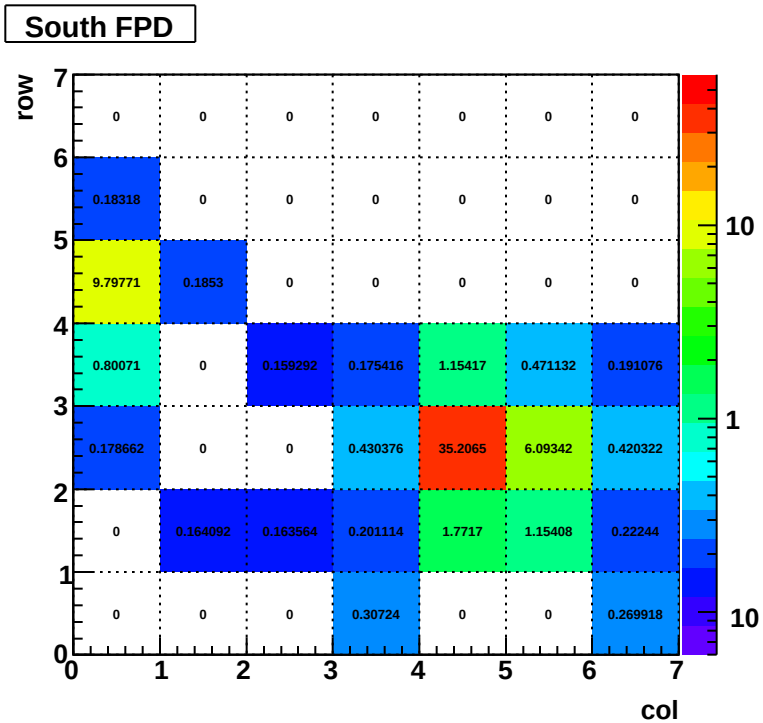
(2) Energy=13.065625 Y=-3.918849 Phi=-0.081986

M12=0.565 Y12=-3.574 Phi12=0.068 E12=60.319

SumN(-) = 99 SumN(+)= 134 AN/.6=0.250







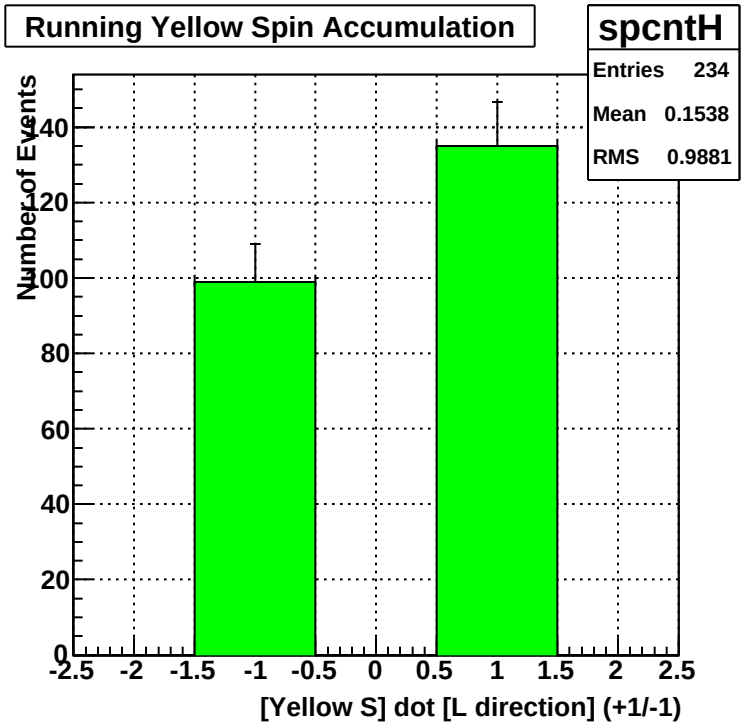
234) Rnum=7125058 EventN=804432 (0 Yd-S[+])

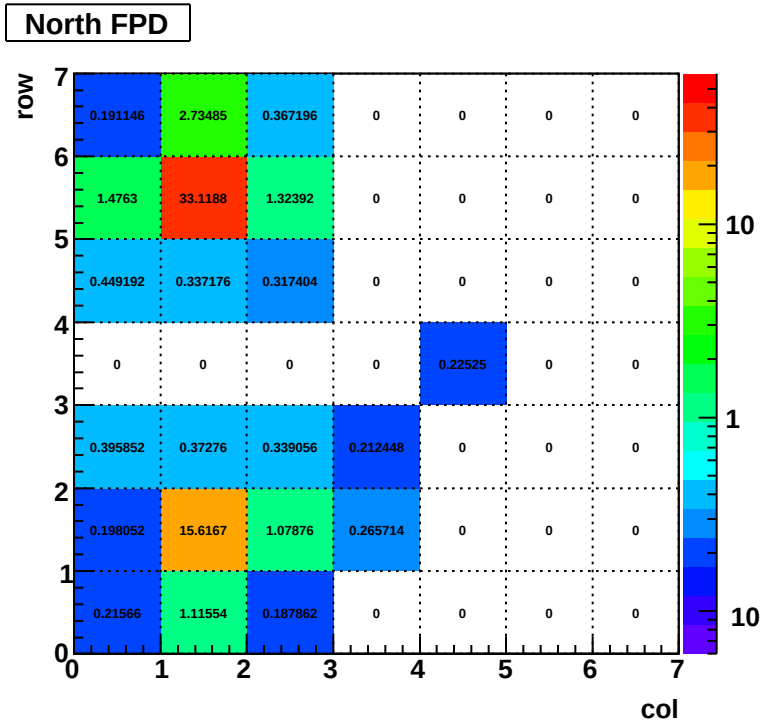
(1) Energy=39.575634 Y=-3.772454 Phi=-2.933109

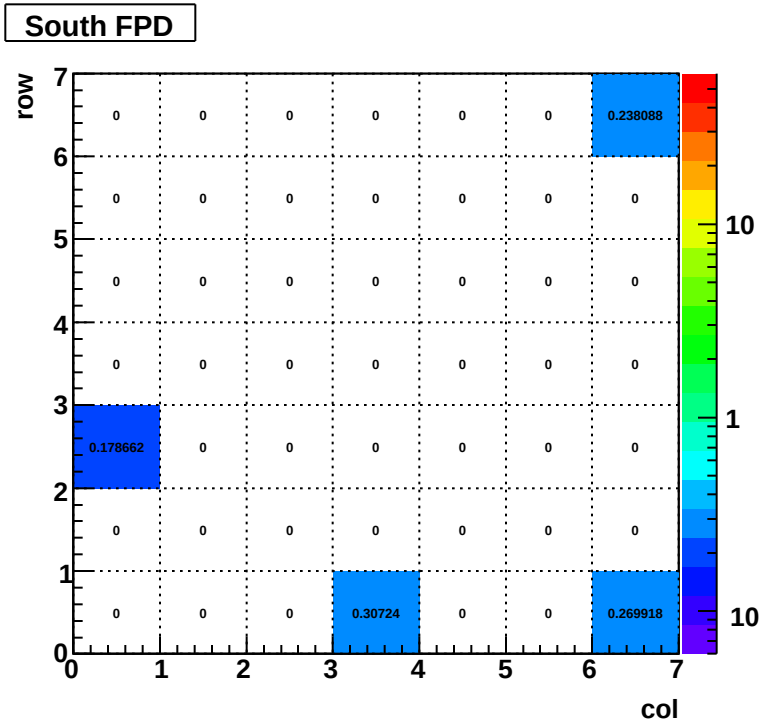
(2) Energy=20.803484 Y=-3.754230 Phi=2.912296

M12=0.579 Y12=-3.788 Phi12=-3.085 E12=60.379

SumN(-) = 99 SumN(+)= 135 AN/.6=0.256







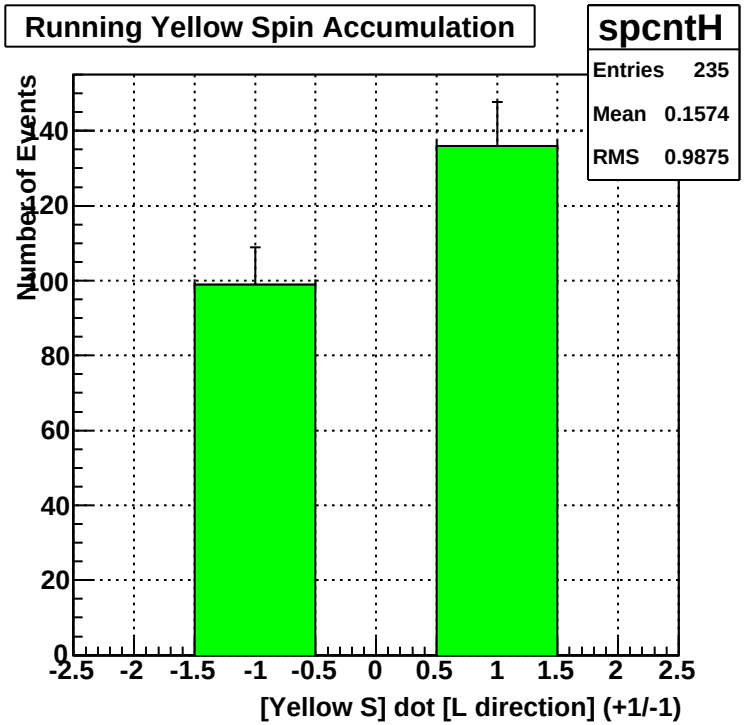
235) Rnum=7125058 EventN=2001335 (2 Yd-S[+])

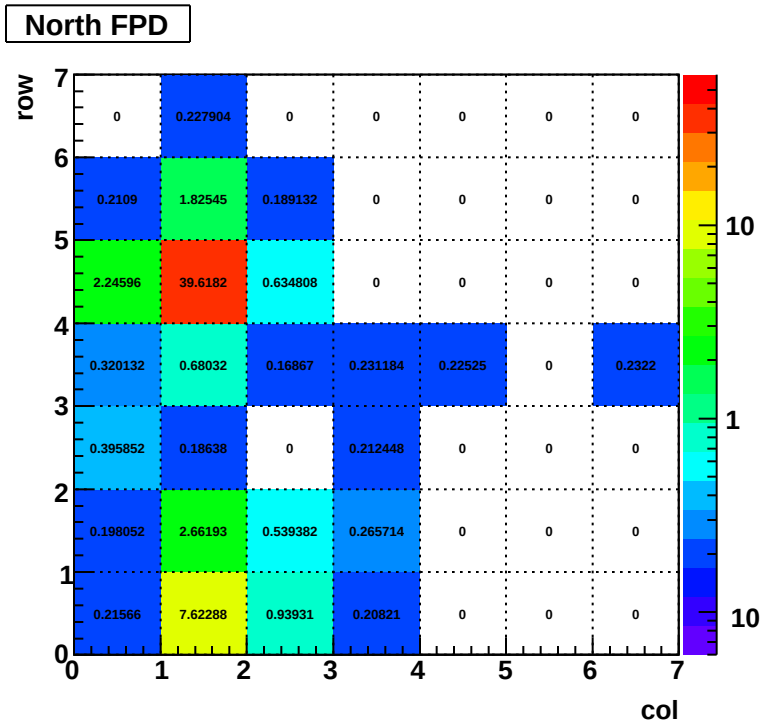
(1) Energy=51.434723 Y=-3.798284 Phi=-3.045628

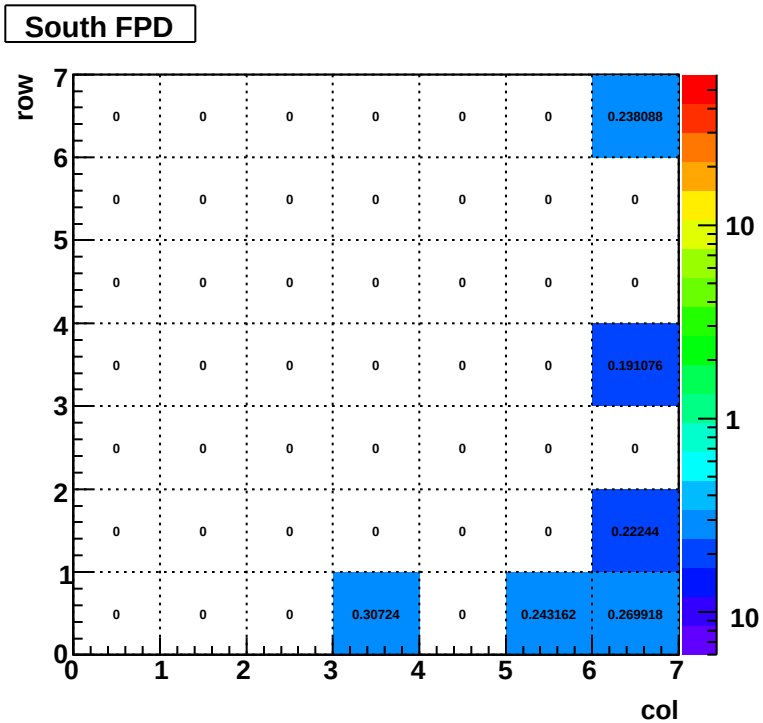
(2) Energy=13.266124 Y=-3.732379 Phi=2.868250

M12=0.451 Y12=-3.796 Phi12=-3.125 E12=64.701

SumN(-) = 99 SumN(+)= 136 AN/.6=0.262







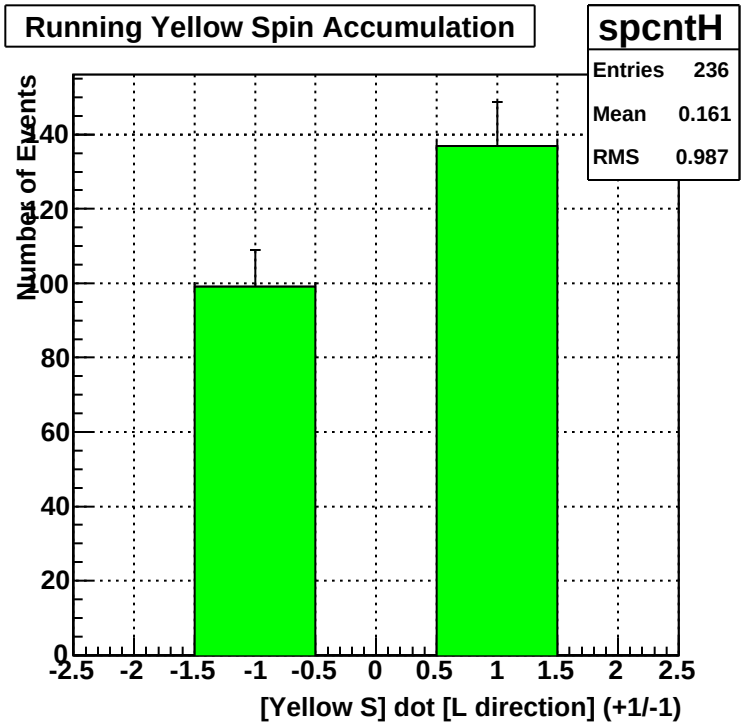
236) Rnum=7125059 EventN=601657 (3 Yu-N[+])

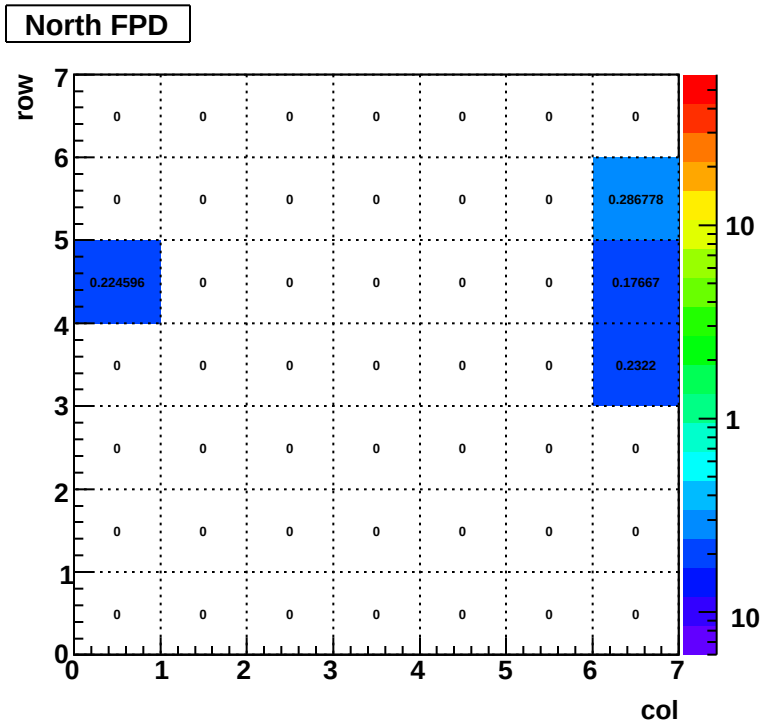
(1) Energy=52.030655 Y=-3.840493 Phi=0.109794

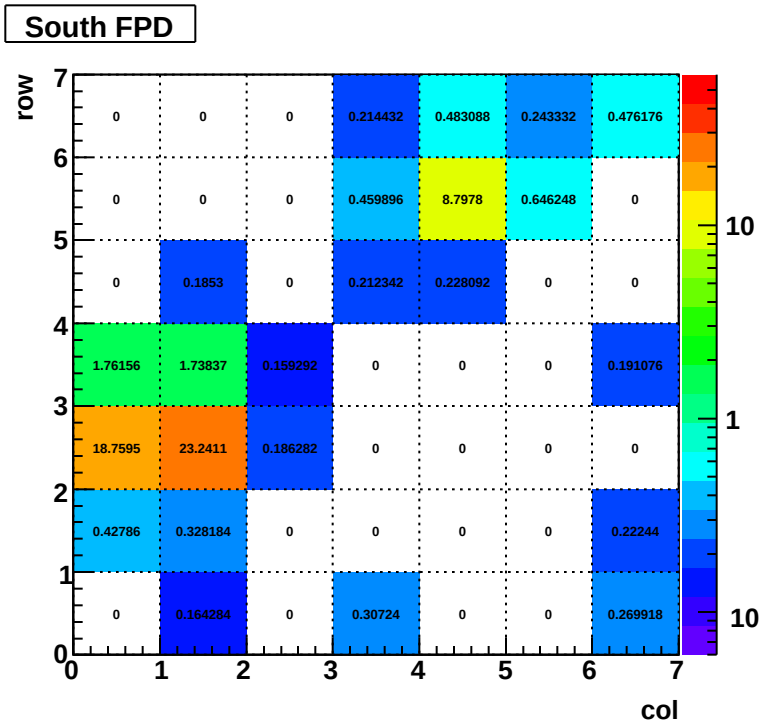
(2) Energy=11.136885 Y=-3.500915 Phi=-0.151170

M12=0.526 Y12=-3.778 Phi12=0.050 E12=63.168

SumN(-) = 99 SumN(+)= 137 AN/.6=0.268







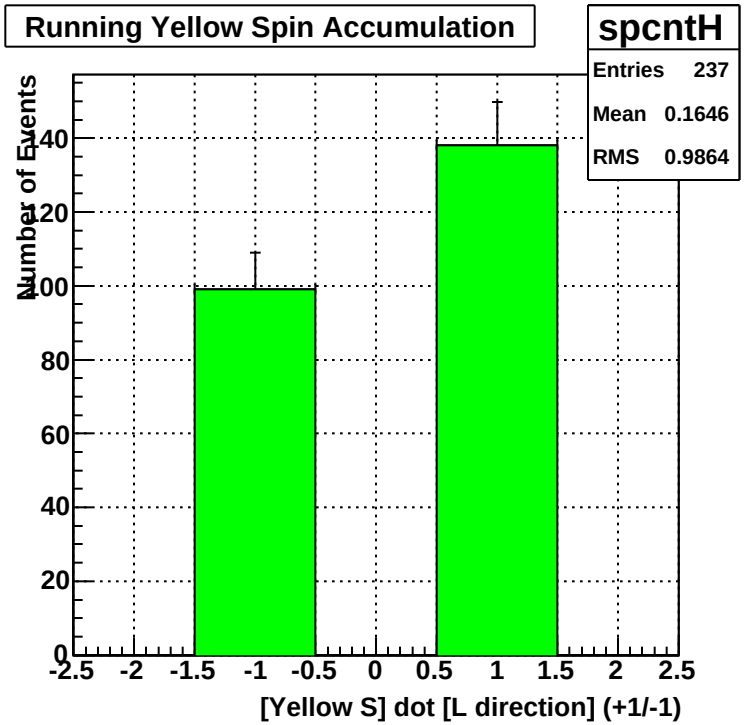
237) Rnum=7125067 EventN=1509349 (1 Yu-N[+])

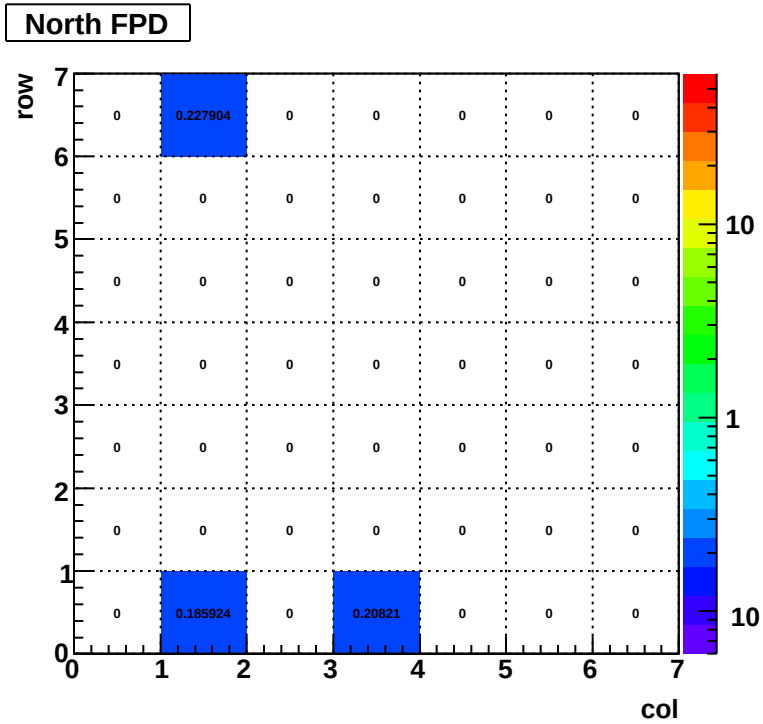
(1) Energy=51.545021 Y=-3.859661 Phi=-0.045015

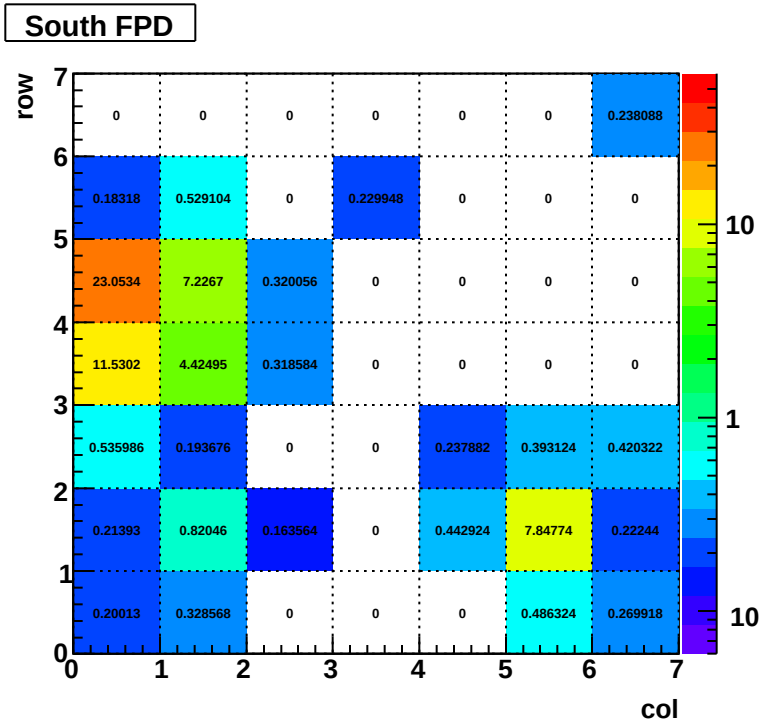
(2) Energy=9.334105 Y=-3.434174 Phi=0.162420

M12=0.544 Y12=-3.785 Phi12=-0.000 E12=60.879

SumN(-) = 99 SumN(+)= 138 AN/.6=0.274







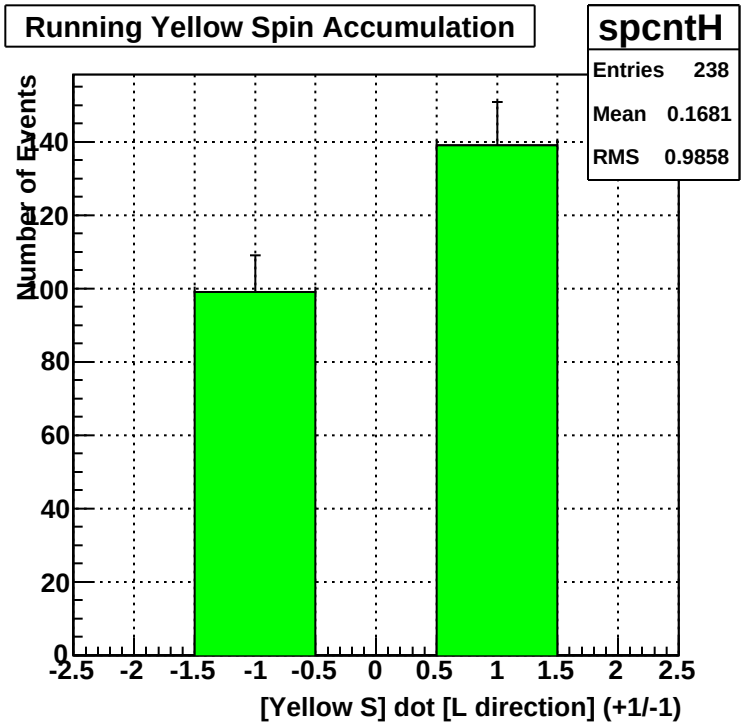
238) Rnum=7125069 EventN=906159 (0 Yd-S[+])

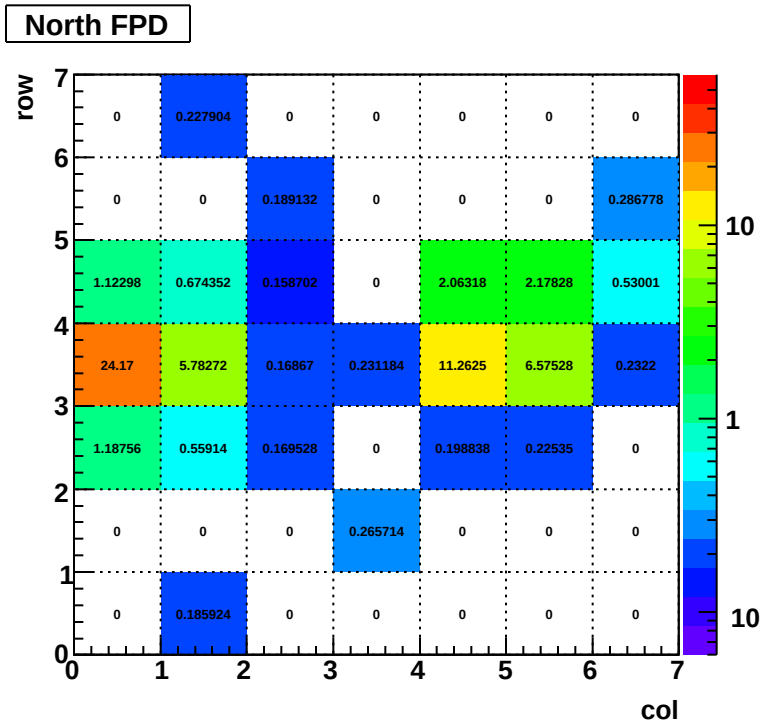
(1) Energy=36.712181 Y=-3.866151 Phi=3.124893

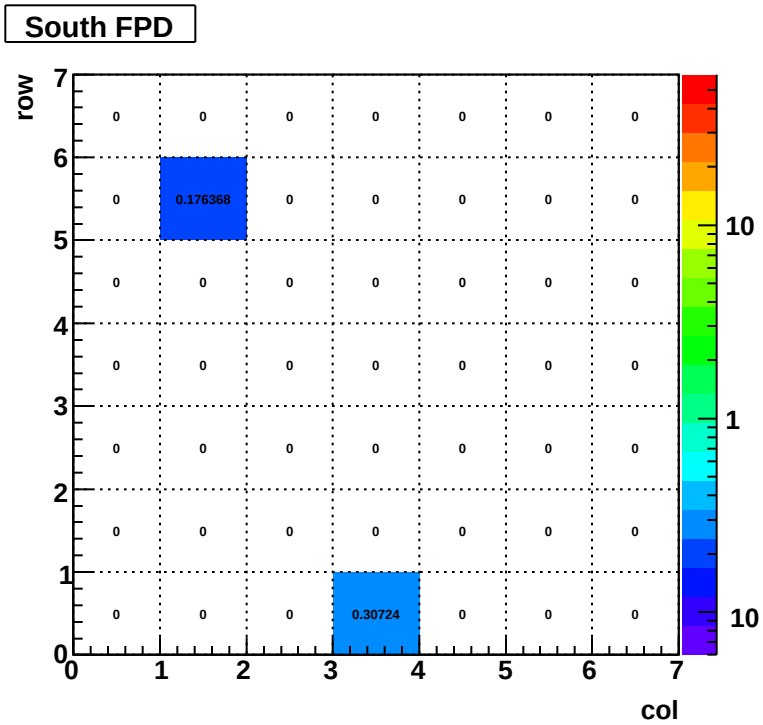
(2) Energy=23.602129 Y=-3.485515 Phi=-3.127900

M12=0.572 Y12=-3.700 Phi12=3.140 E12=60.314

SumN(-) = 99 SumN(+)= 139 AN/.6=0.280







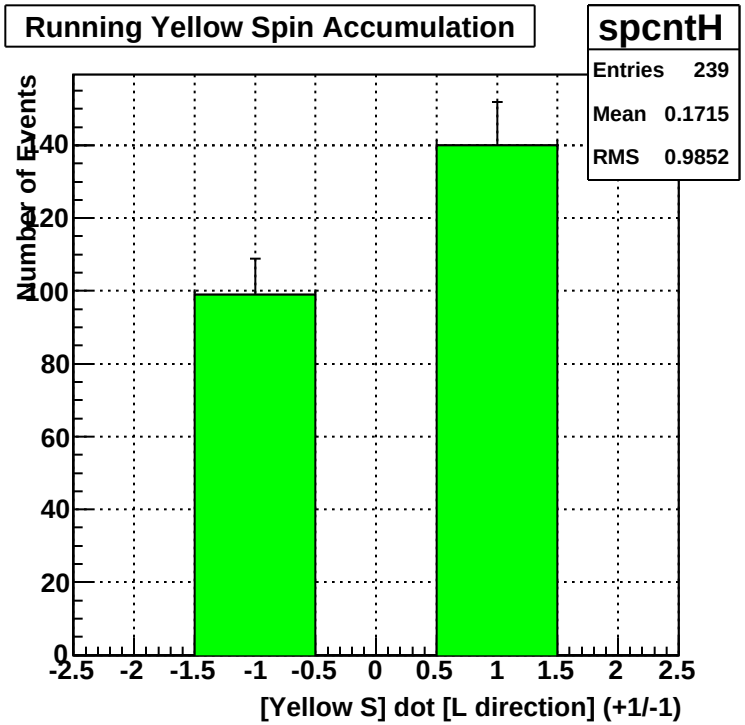
239) Rnum=7126008 EventN=3303009 (0 Yd-S[+])

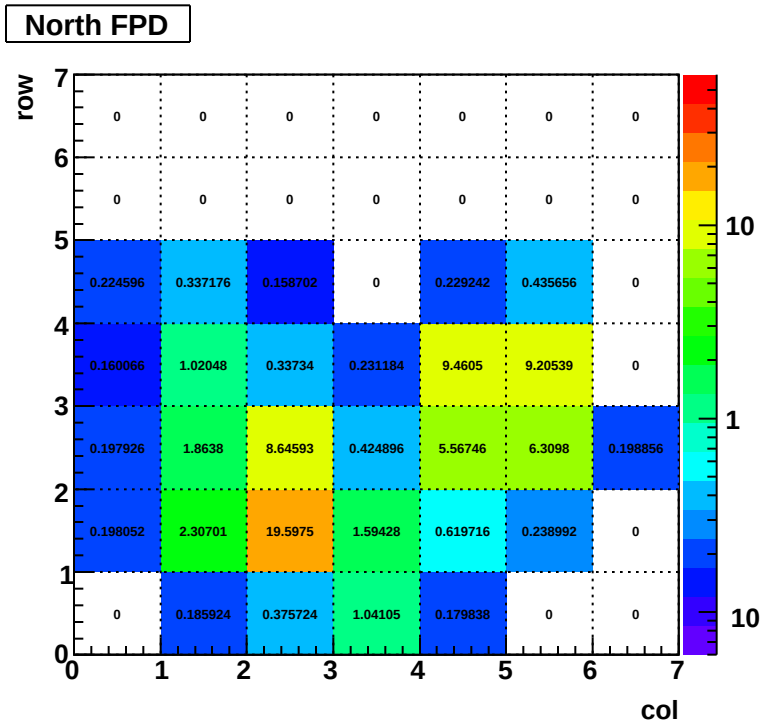
(1) Energy=36.392860 Y=-3.703228 Phi=2.976939

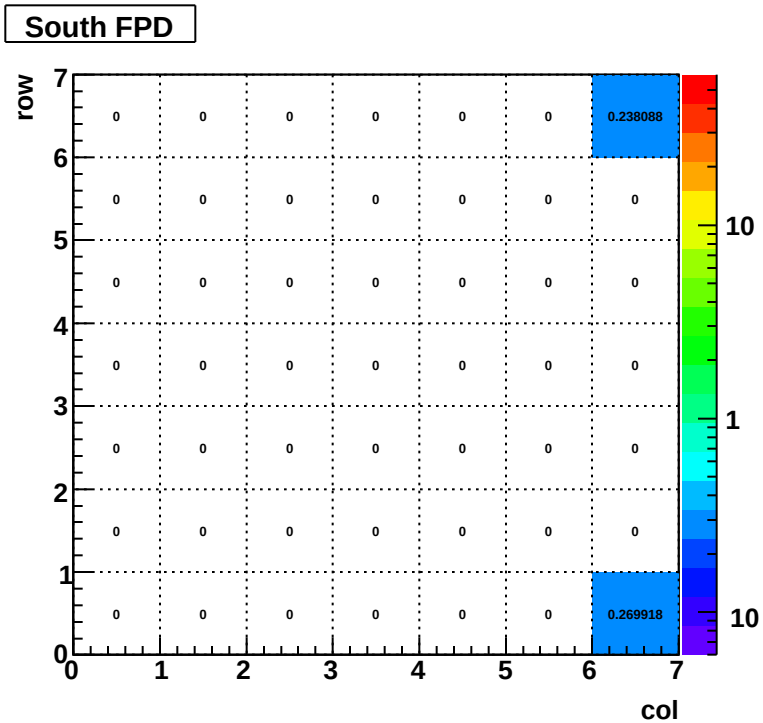
(2) Energy=32.326843 Y=-3.481676 Phi=3.095100

M12=0.475 Y12=-3.595 Phi12=3.039 E12=68.720

SumN(-) = 99 SumN(+)= 140 AN/.6=0.286







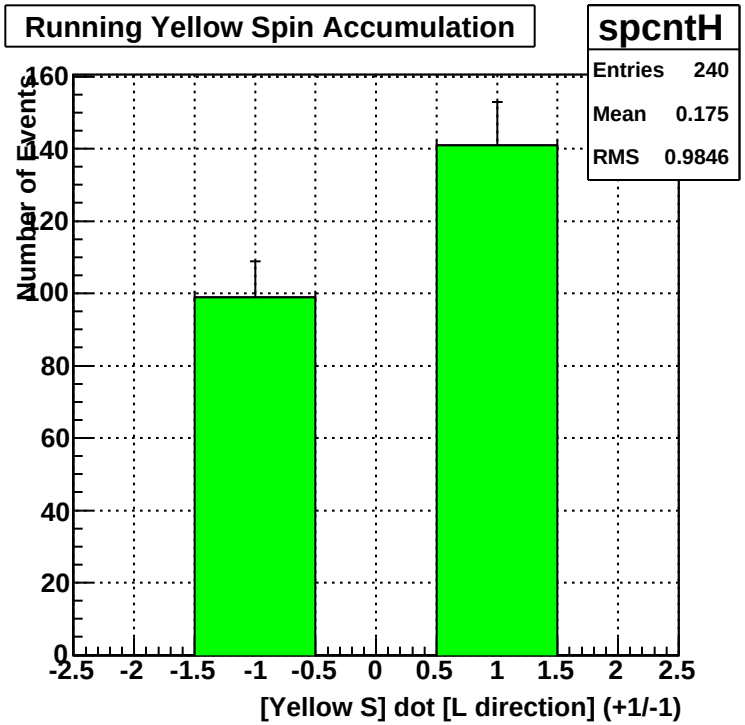
240) Rnum=7126008 EventN=403703 (0 Yd-S[+])

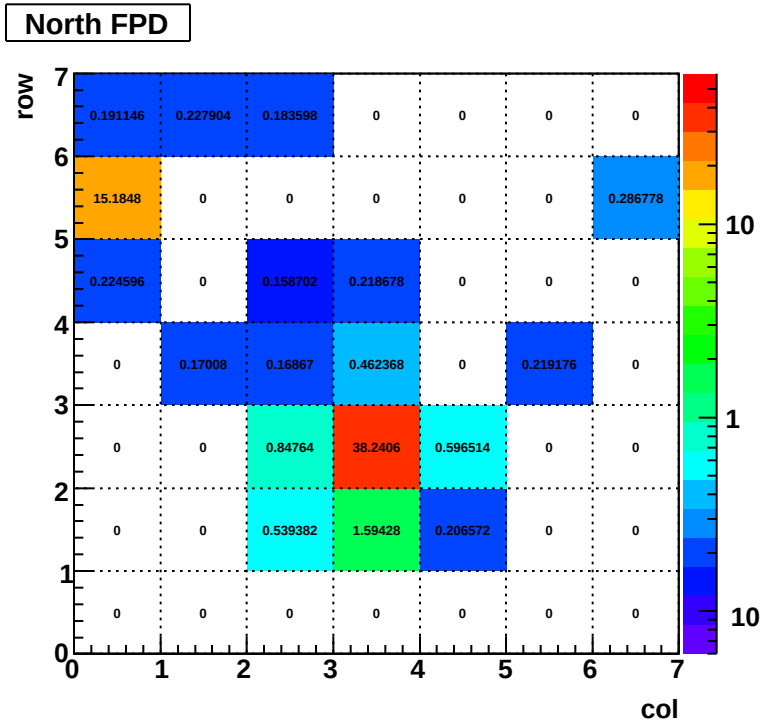
(1) Energy=46.368137 Y=-3.601554 Phi=3.037226

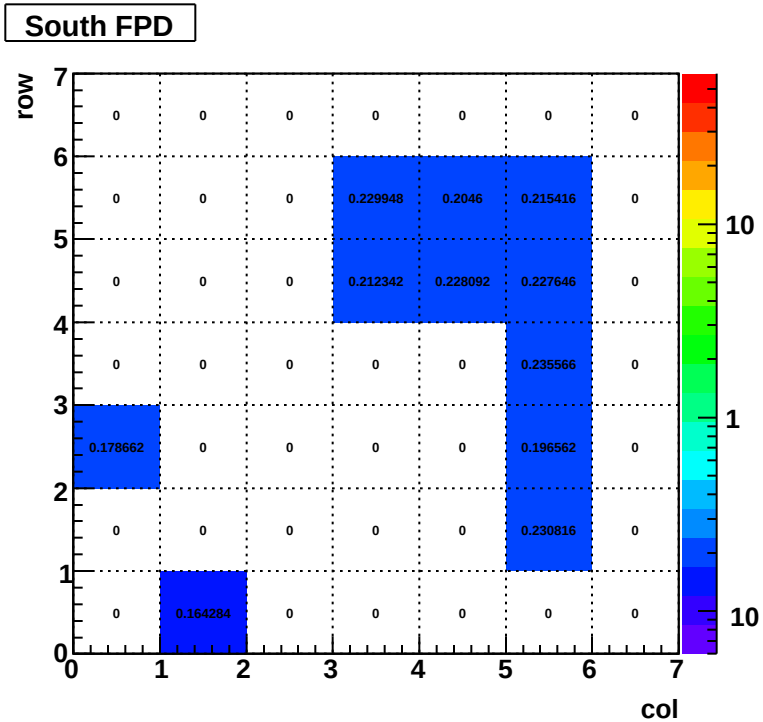
(2) Energy=19.205927 Y=-3.883032 Phi=-2.934112

M12=0.594 Y12=-3.685 Phi12=3.111 E12=65.574

SumN(-) = 99 SumN(+)= 141 AN/.6=0.292







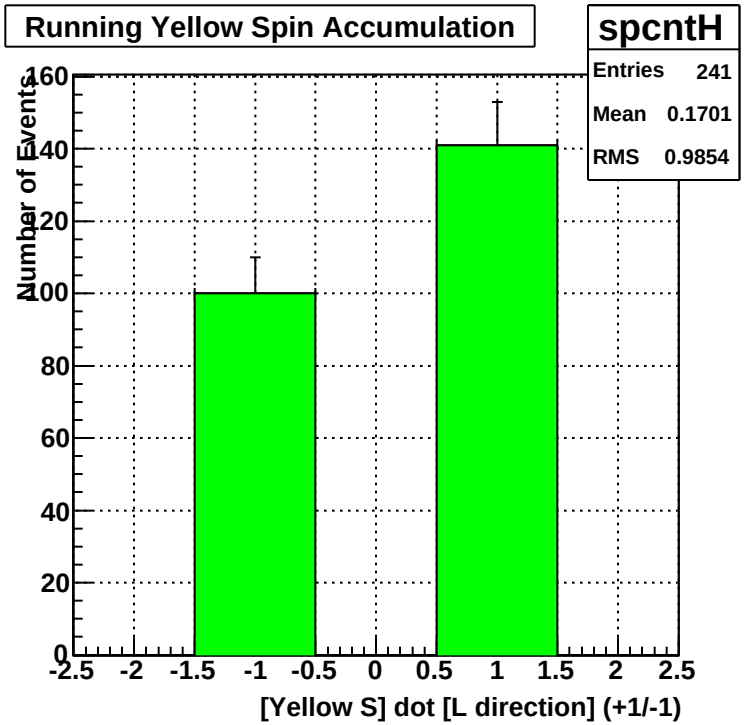
241) Rnum=7126008 EventN=9609318 (0 Yd-N[-])

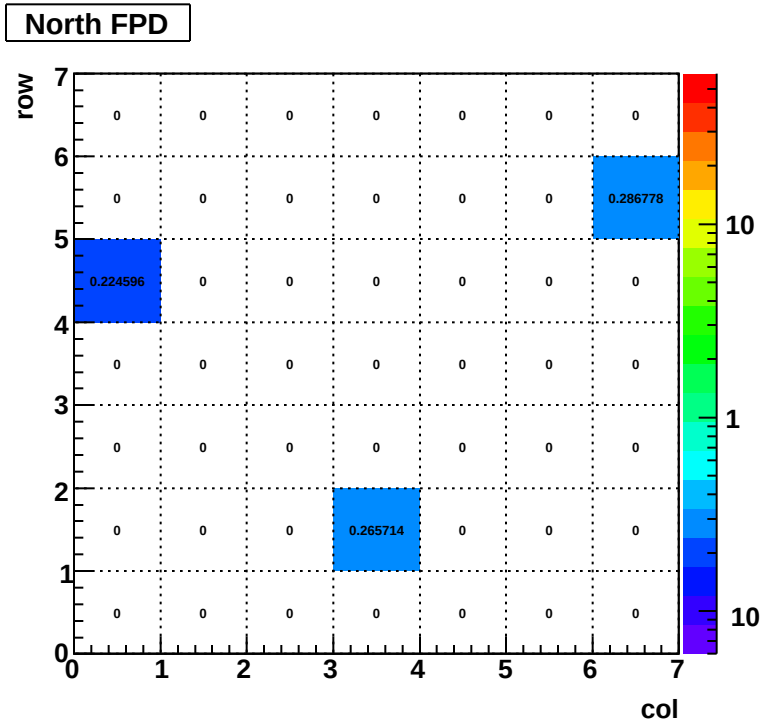
(1) Energy=44.015560 Y=-3.755383 Phi=-0.066078

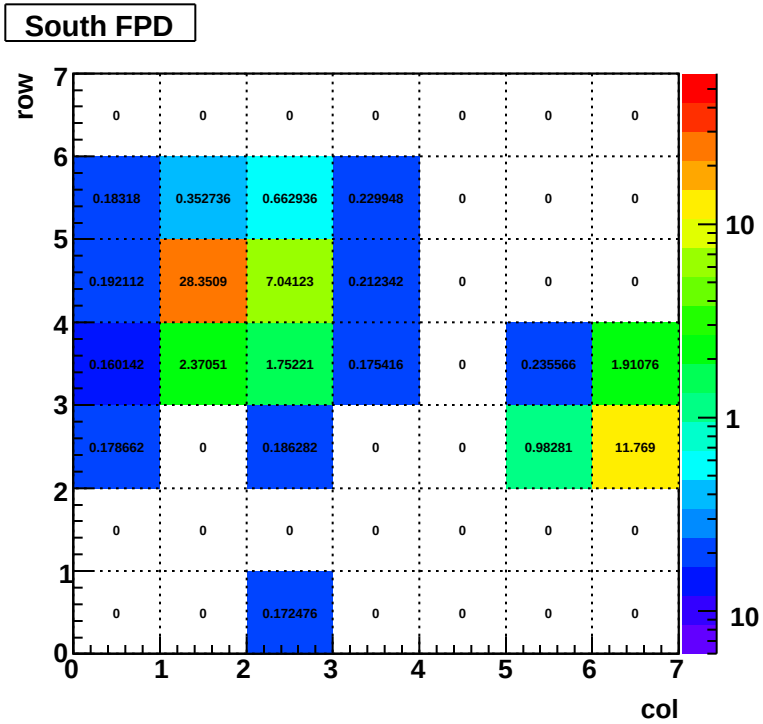
(2) Energy=16.065821 Y=-3.381362 Phi=0.060281

M12=0.595 Y12=-3.643 Phi12=-0.022 E12=60.081

SumN(-) = 100 SumN(+)= 141 AN/.6=0.284







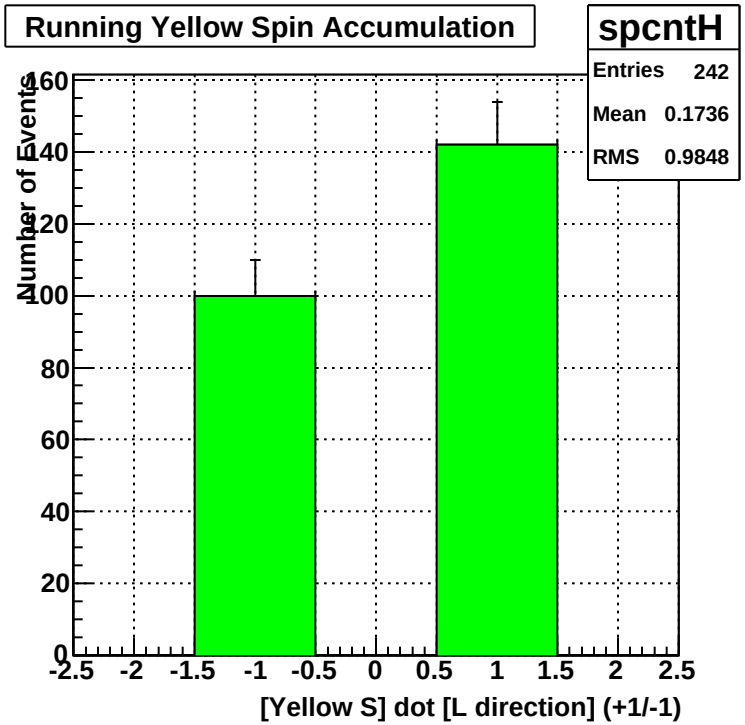
242) Rnum=7126011 EventN=6500894 (3 Yu-N[+])

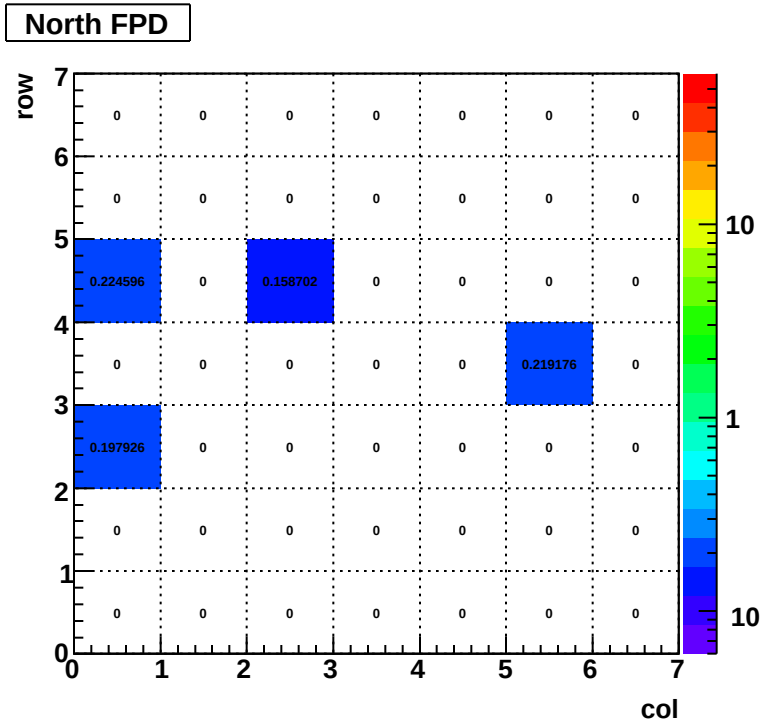
(1) Energy=48.801090 Y=-3.744979 Phi=0.092150

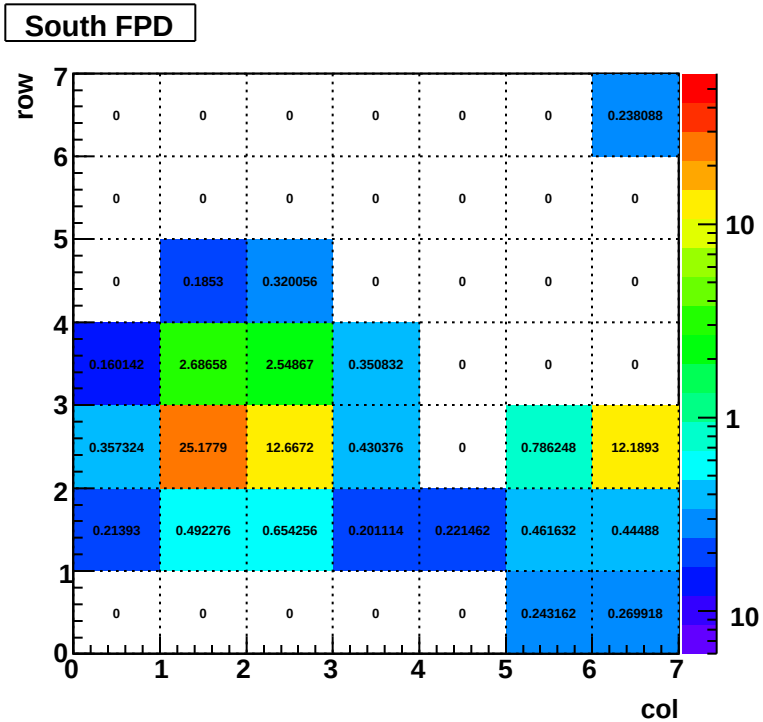
(2) Energy=15.384409 Y=-3.378519 Phi=0.083113

M12=0.573 Y12=-3.644 Phi12=0.089 E12=64.186

SumN(-) = 100 SumN(+)= 142 AN/.6=0.289







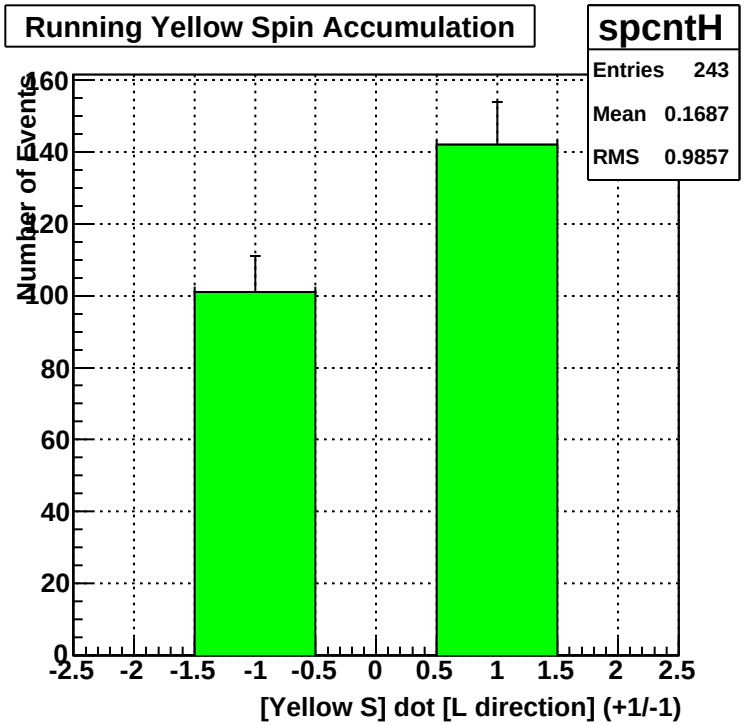
243) Rnum=7126012 EventN=2007895 (1 Yu-S[-])

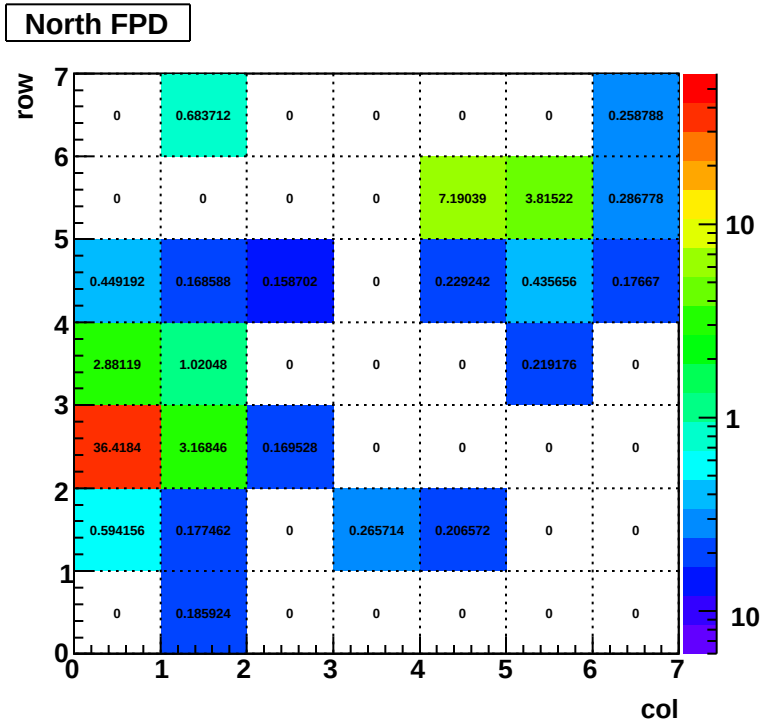
(1) Energy=48.739994 Y=-3.880320 Phi=3.030211

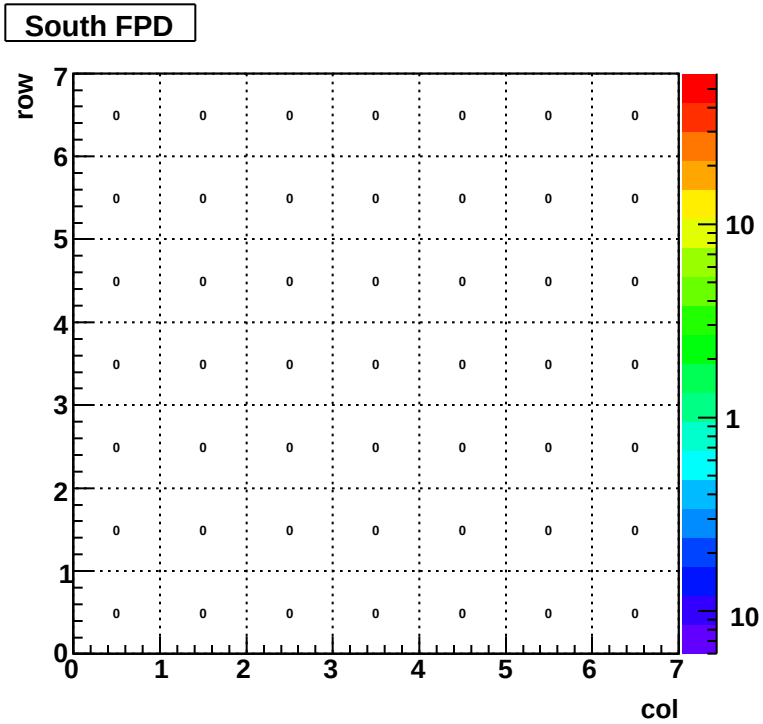
(2) Energy=12.692890 Y=-3.477712 Phi=-2.998534

M12=0.600 Y12=-3.789 Phi12=3.101 E12=61.433

SumN(-) = 101 SumN(+)= 142 AN/.6=0.281







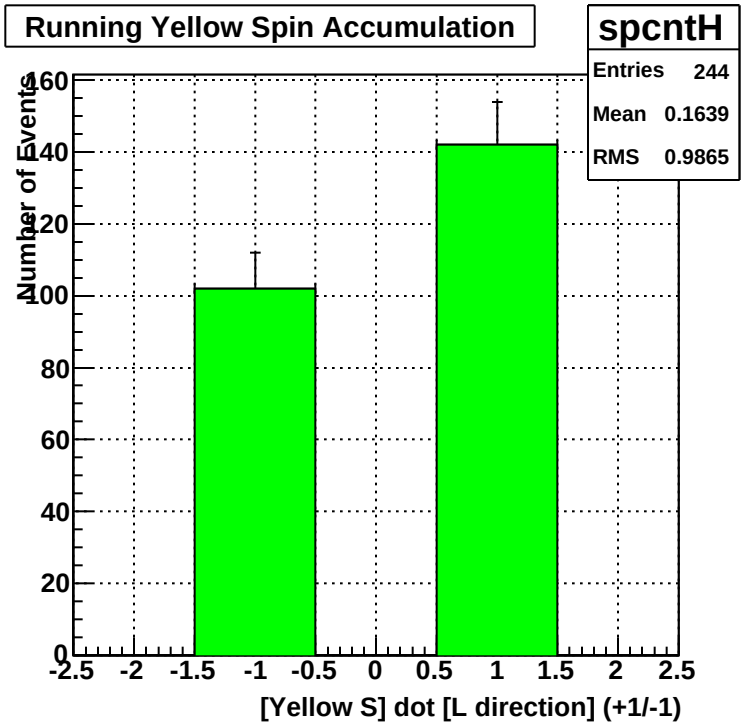
244) Rnum=7126016 EventN=3202569 (3 Yu-S[-])

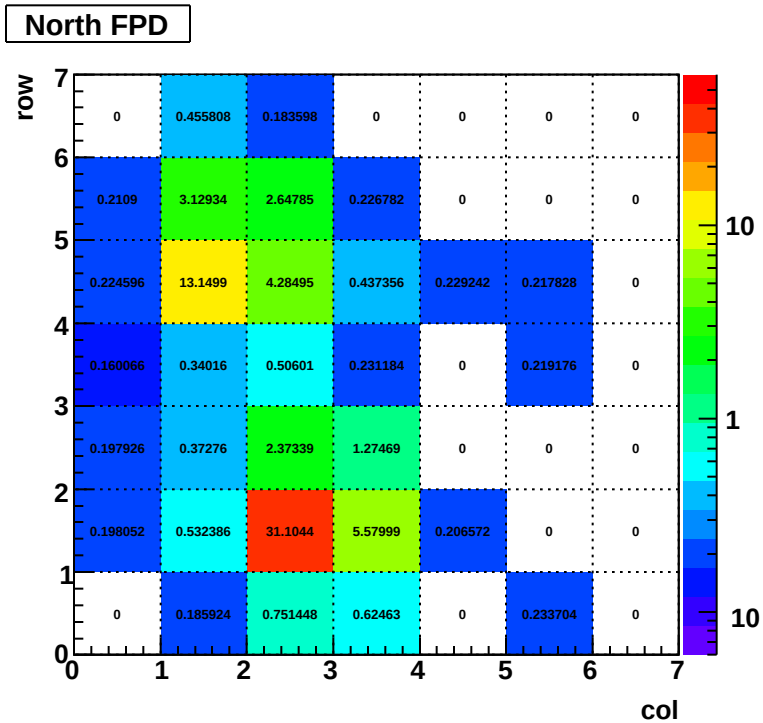
(1) Energy=44.172997 Y=-3.653098 Phi=2.959006

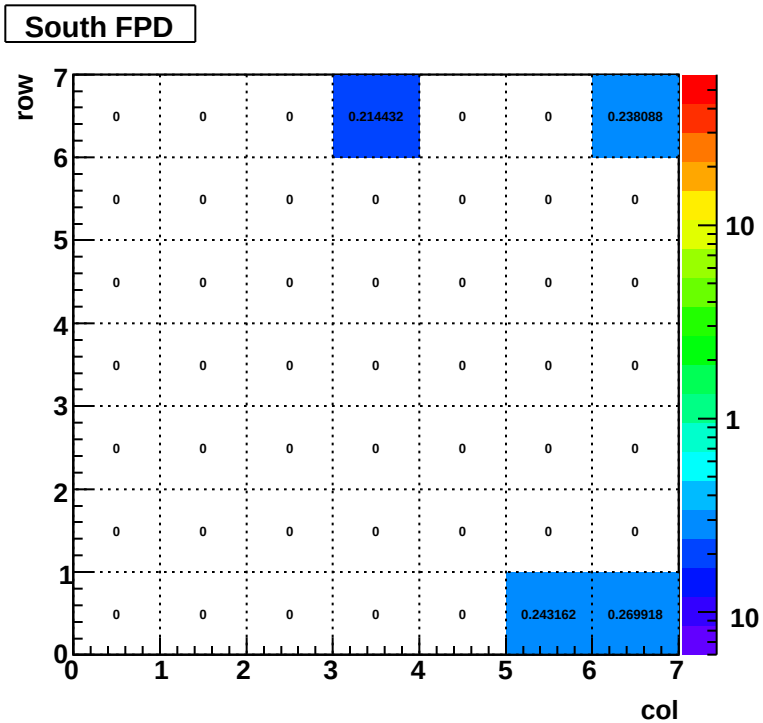
(2) Energy=25.769758 Y=-3.744747 Phi=-3.020707

M12=0.527 Y12=-3.696 Phi12=3.064 E12=69.943

SumN(-) = 102 SumN(+)= 142 AN/.6=0.273







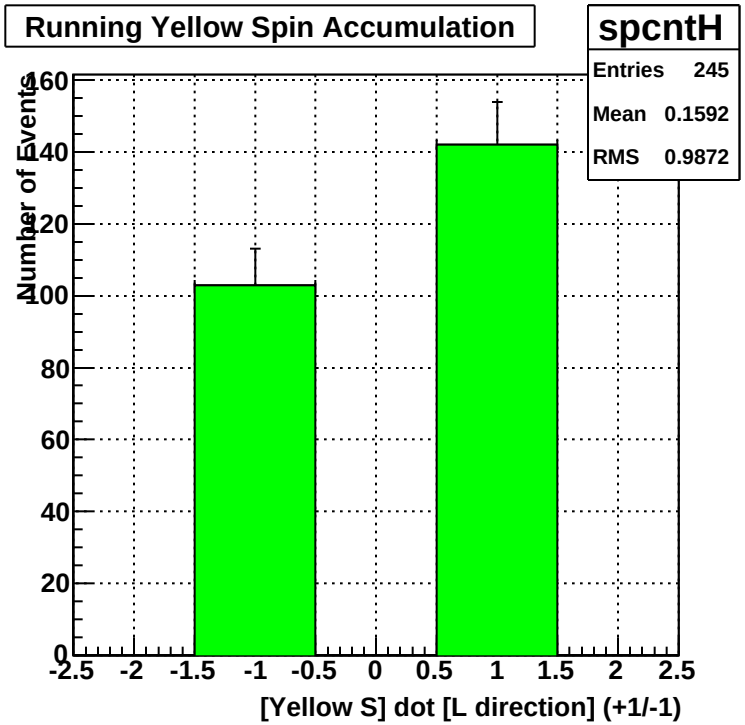
245) Rnum=7126016 EventN=4008422 (2 Yd-N[-])

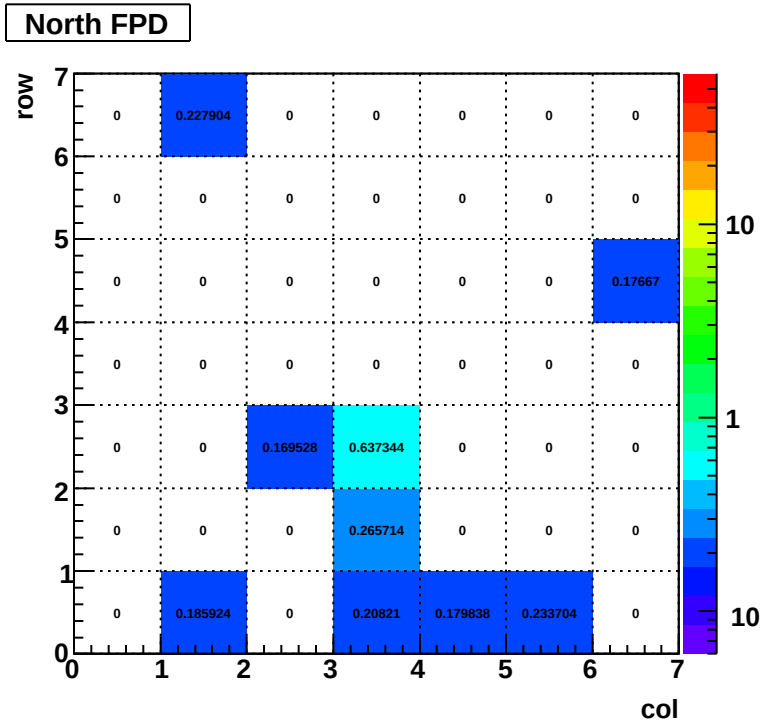
(1) Energy=34.422127 Y=-3.712230 Phi=0.031000

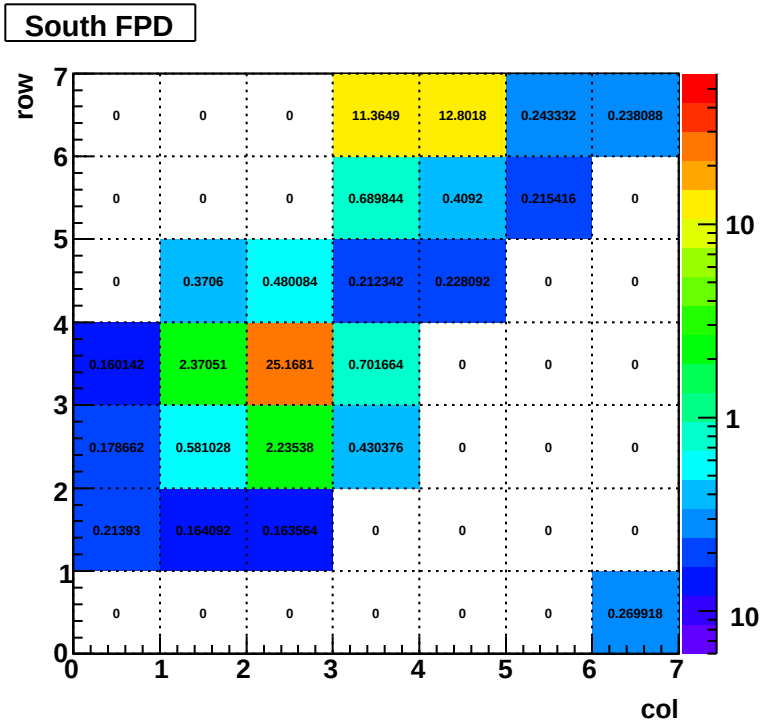
(2) Energy=28.112196 Y=-3.532832 Phi=-0.239321

M12=0.538 Y12=-3.637 Phi12=-0.103 E12=62.534

SumN(-) = 103 SumN(+)= 142 AN/.6=0.265







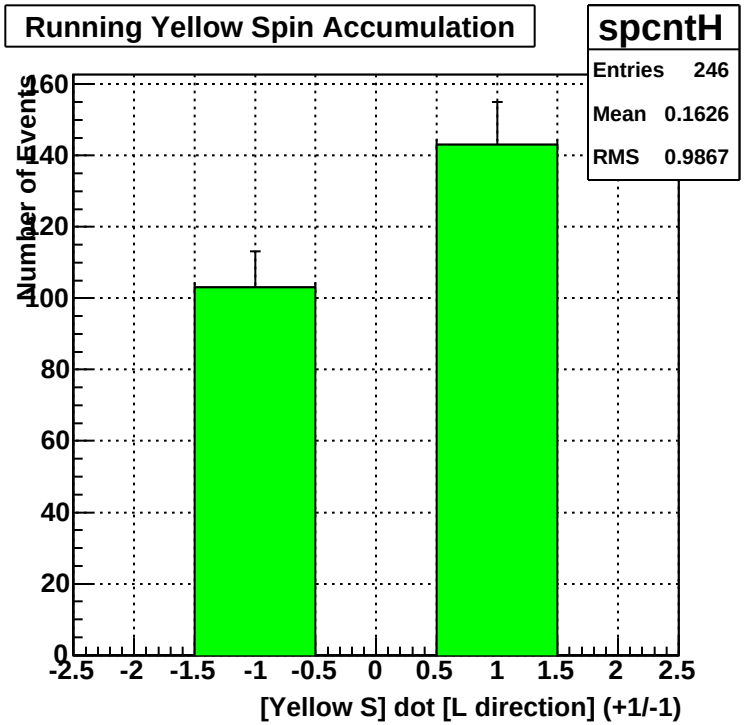
246) Rnum=7126016 EventN=8202673 (0 Yd-S[+])

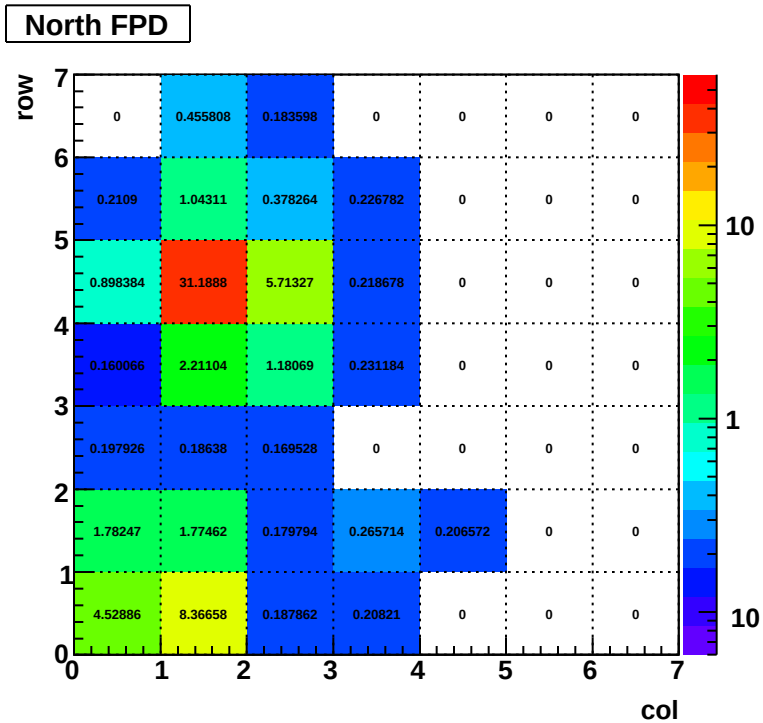
(1) Energy=45.934101 Y=-3.759520 Phi=-3.067800

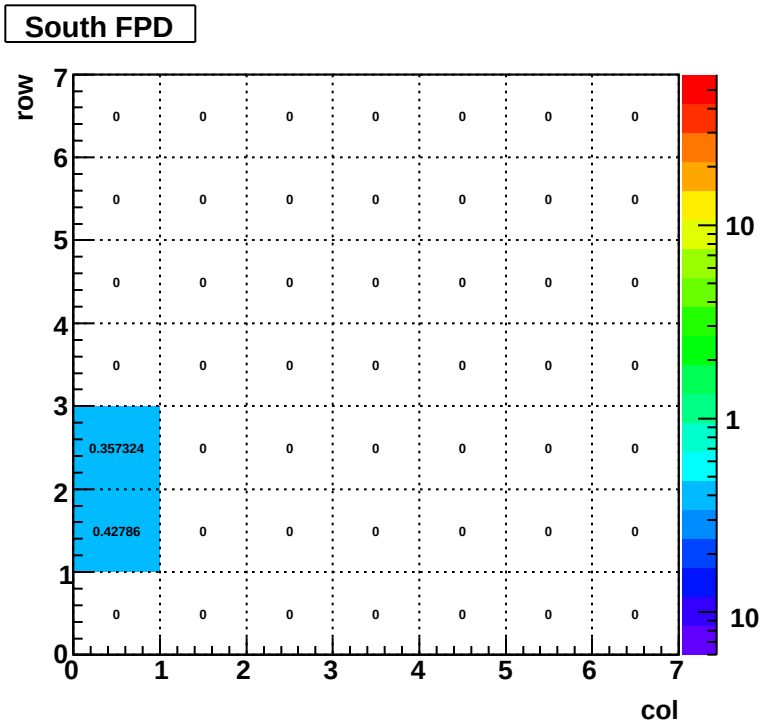
(2) Energy=18.257664 Y=-3.798011 Phi=2.843429

M12=0.492 Y12=-3.784 Phi12=3.113 E12=64.192

SumN(-) = 103 SumN(+)= 143 AN/.6=0.271







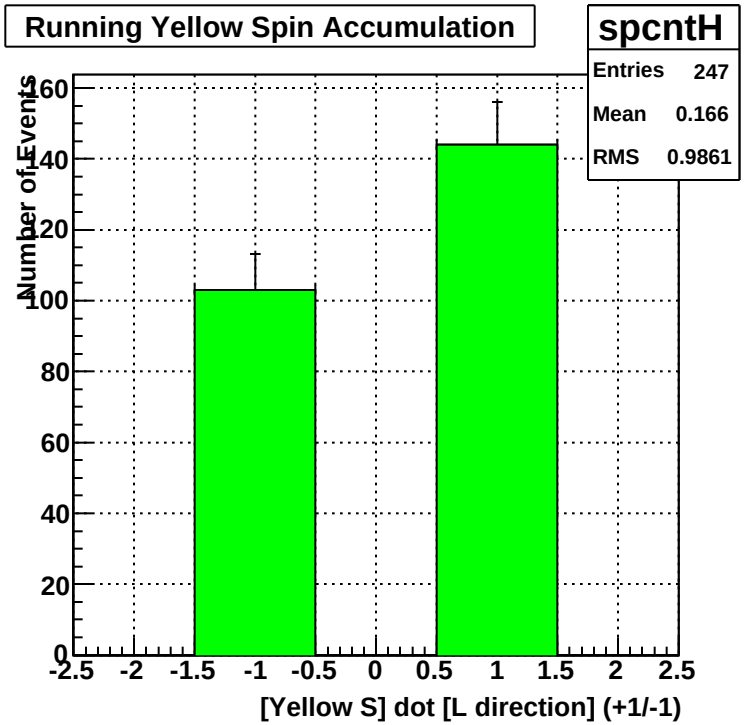
247) Rnum=7126016 EventN=8706934 (1 Yu-N[+])

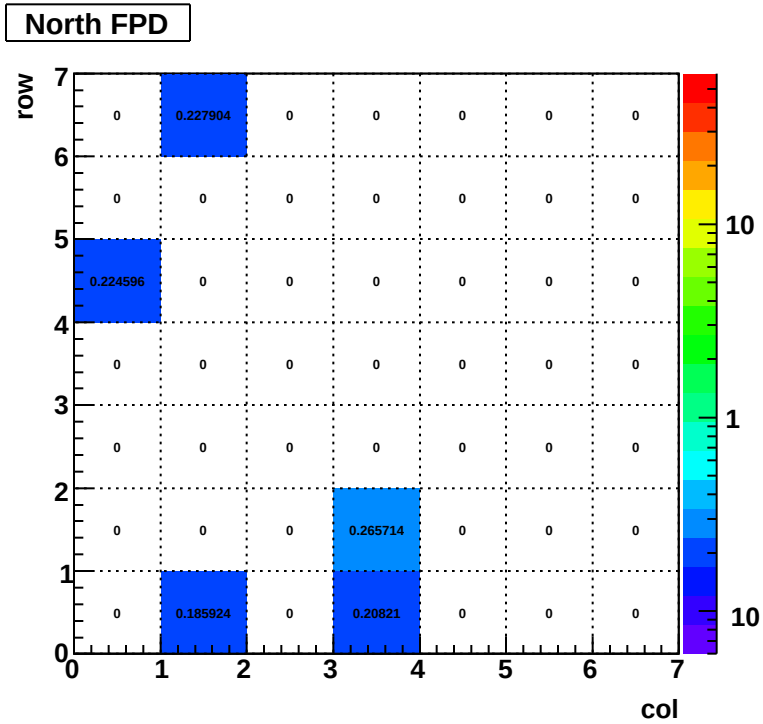
(1) Energy=37.546623 Y=-3.926138 Phi=-0.071053

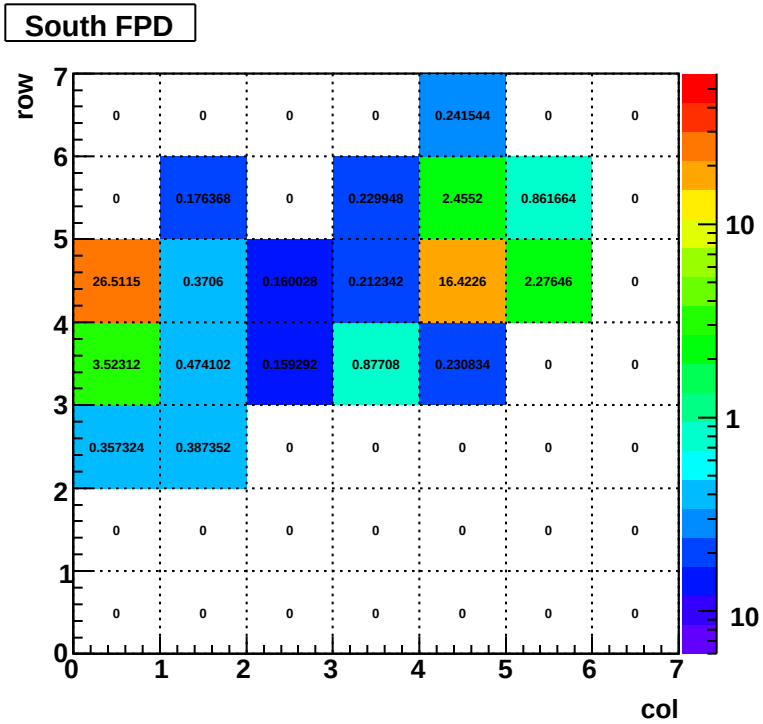
(2) Energy=23.326597 Y=-3.497205 Phi=-0.087994

M12=0.625 Y12=-3.740 Phi12=-0.079 E12=60.873

SumN(-) = 103 SumN(+)= 144 AN/.6=0.277







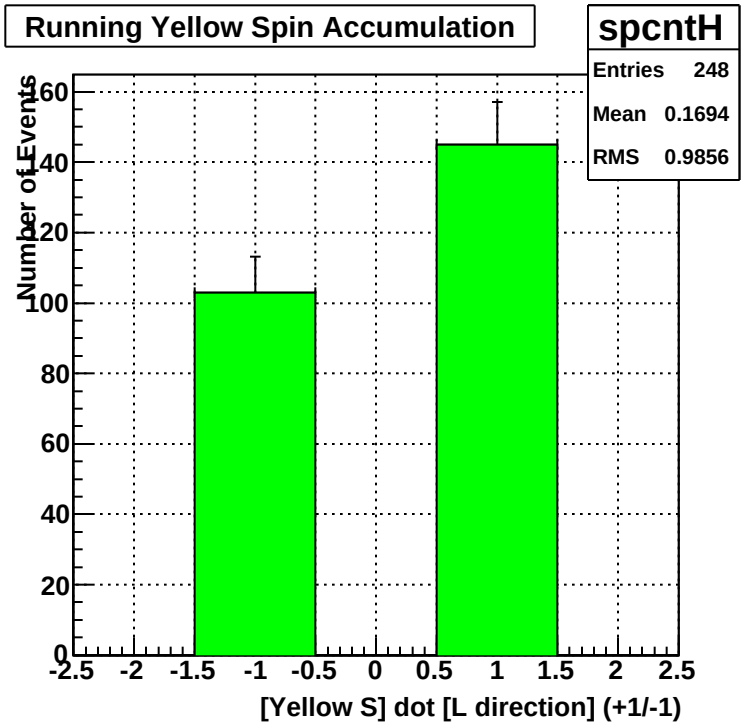
248) Rnum=7126019 EventN=405993 (2 Yd-S[+])

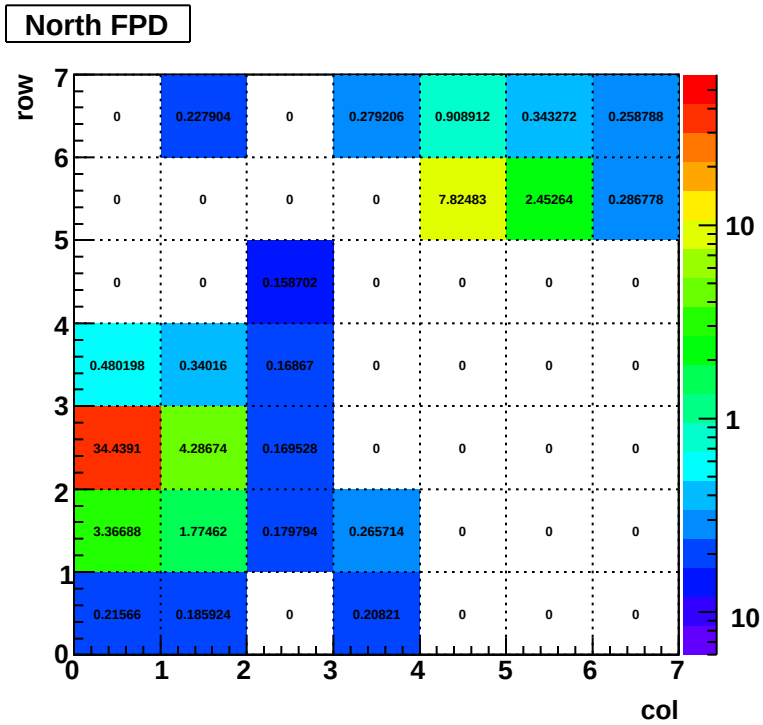
(1) Energy=48.537109 Y=-3.864700 Phi=2.987820

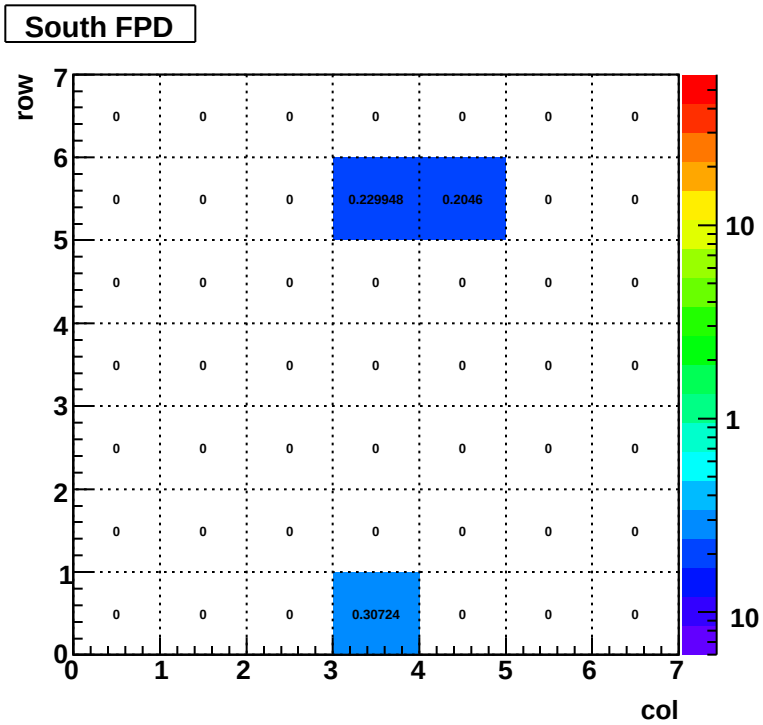
(2) Energy=12.483698 Y=-3.480693 Phi=-2.983215

M12=0.620 Y12=-3.783 Phi12=3.073 E12=61.021

SumN(-) = 103 SumN(+)= 145 AN/.6=0.282







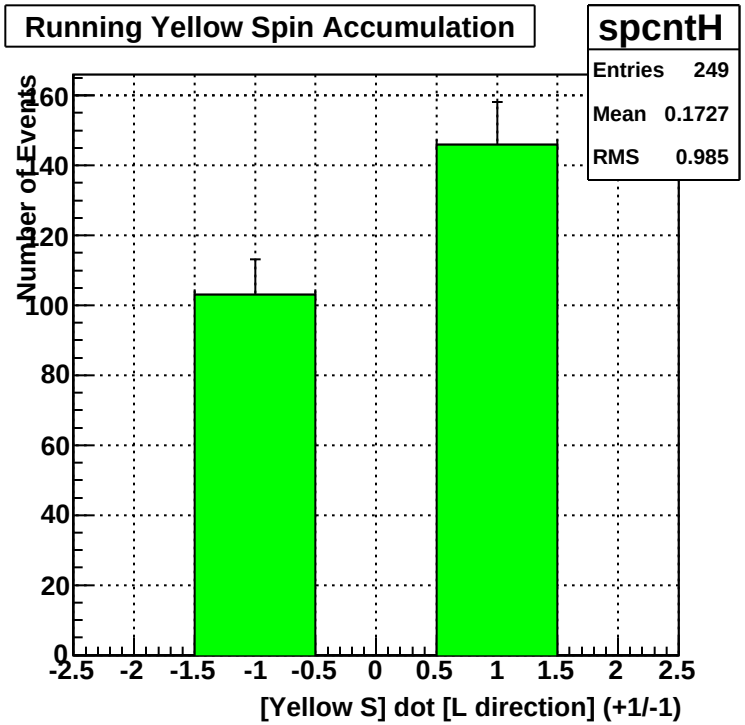
249) Rnum=7126019 EventN=1500196 (2 Yd-S[+])

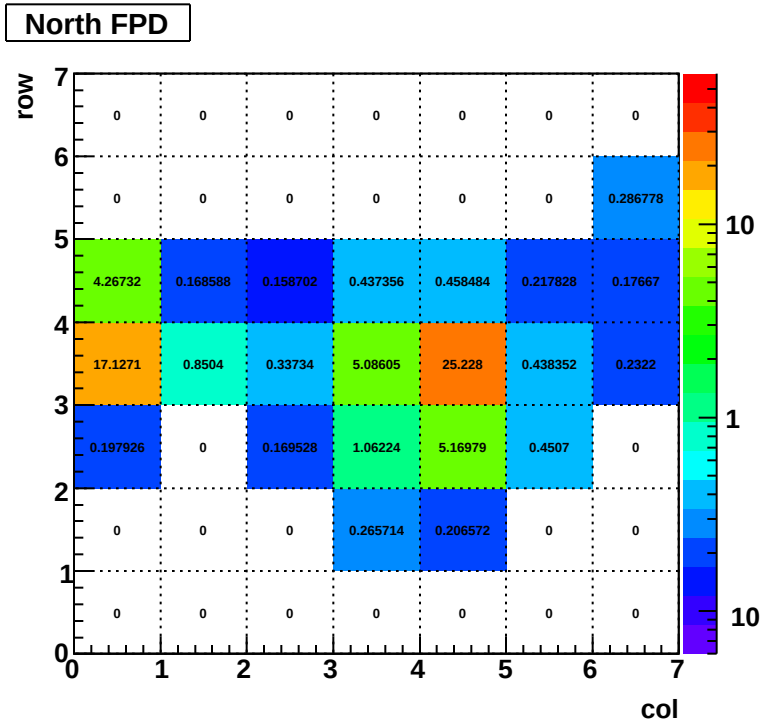
(1) Energy=38.349781 Y=-3.545764 Phi=3.104358

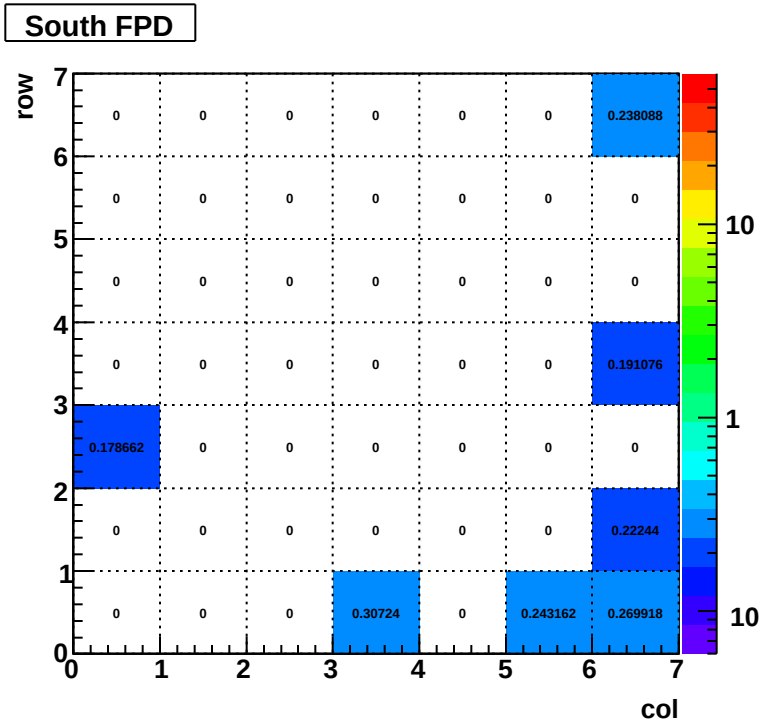
(2) Energy=26.257629 Y=-3.916160 Phi=-3.119026

M12=0.574 Y12=-3.681 Phi12=3.124 E12=64.607

SumN(-) = 103 SumN(+)= 146 AN/.6=0.288







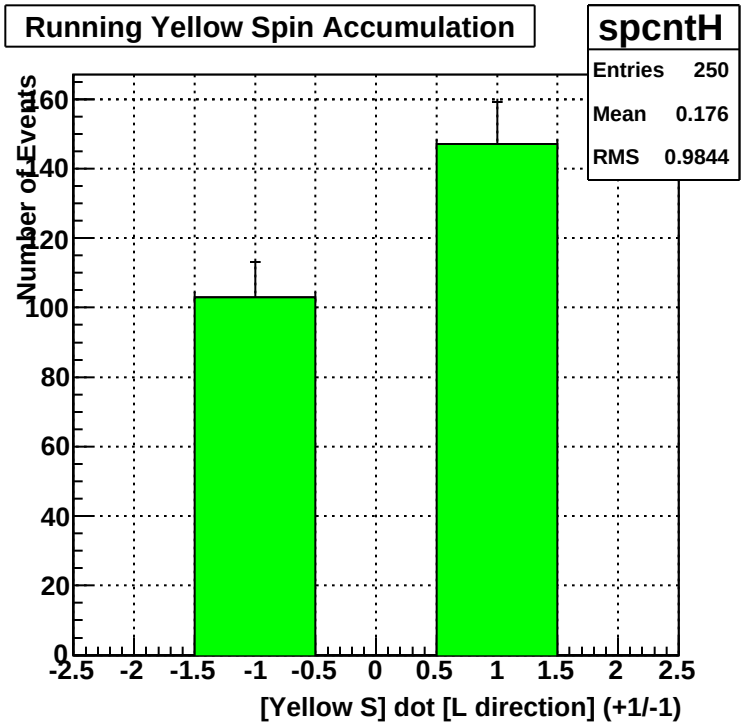
250) Rnum=7126022 EventN=4206627 (0 Yd-S[+])

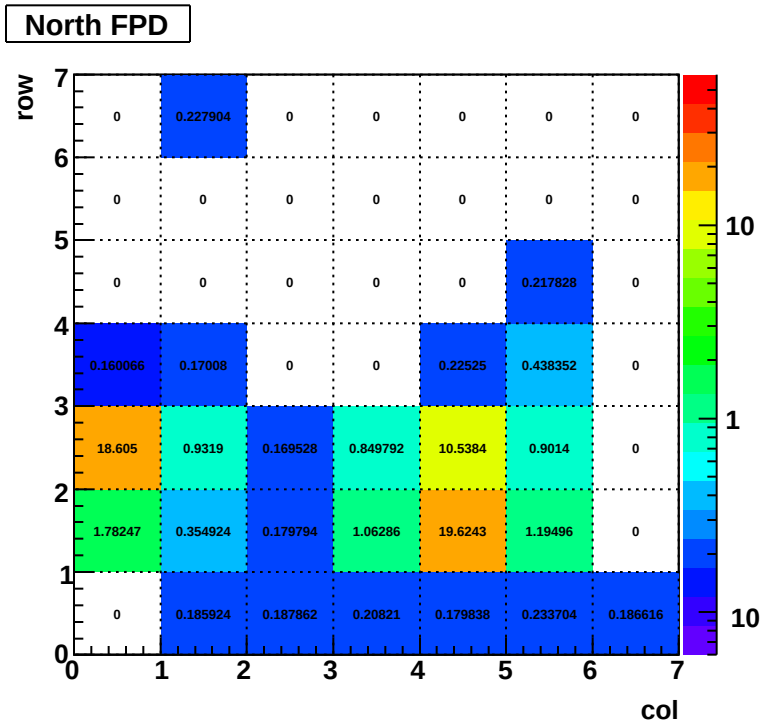
(1) Energy=35.766541 Y=-3.509666 Phi=3.007299

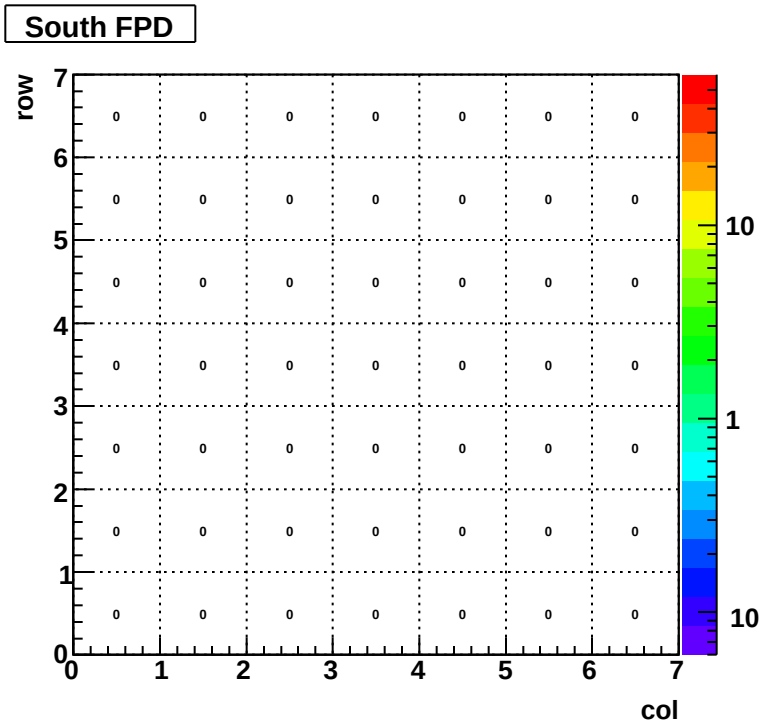
(2) Energy=24.669436 Y=-3.888966 Phi=2.985837

M12=0.561 Y12=-3.648 Phi12=3.000 E12=60.436

SumN(-) = 103 SumN(+)= 147 AN/.6=0.293







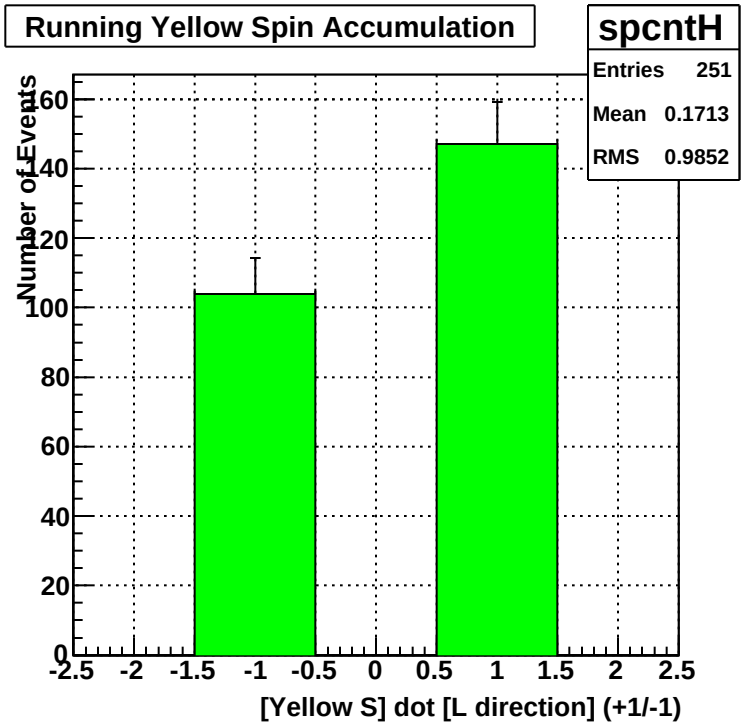
251) Rnum=7126022 EventN=407887 (3 Yu-S[-])

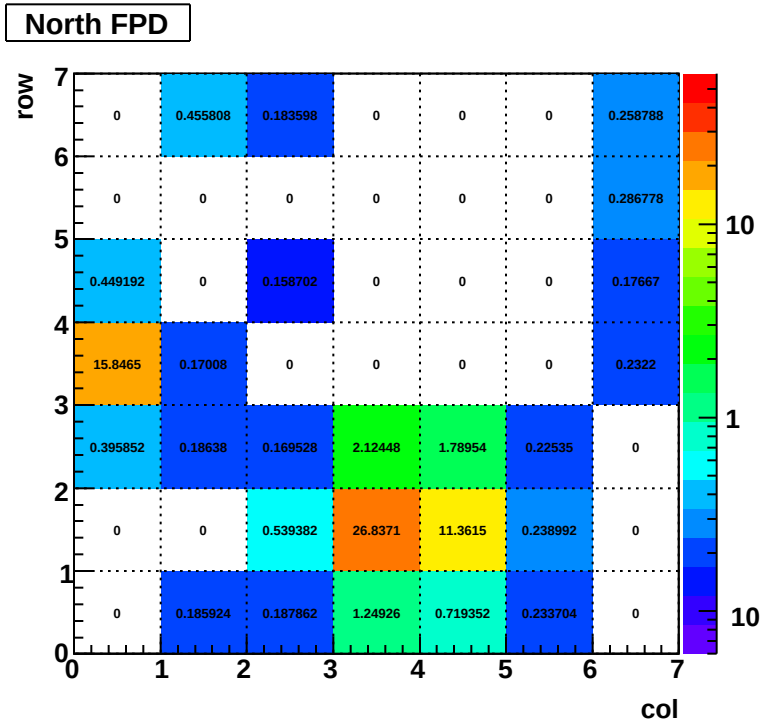
(1) Energy=42.181206 Y=-3.553506 Phi=2.976610

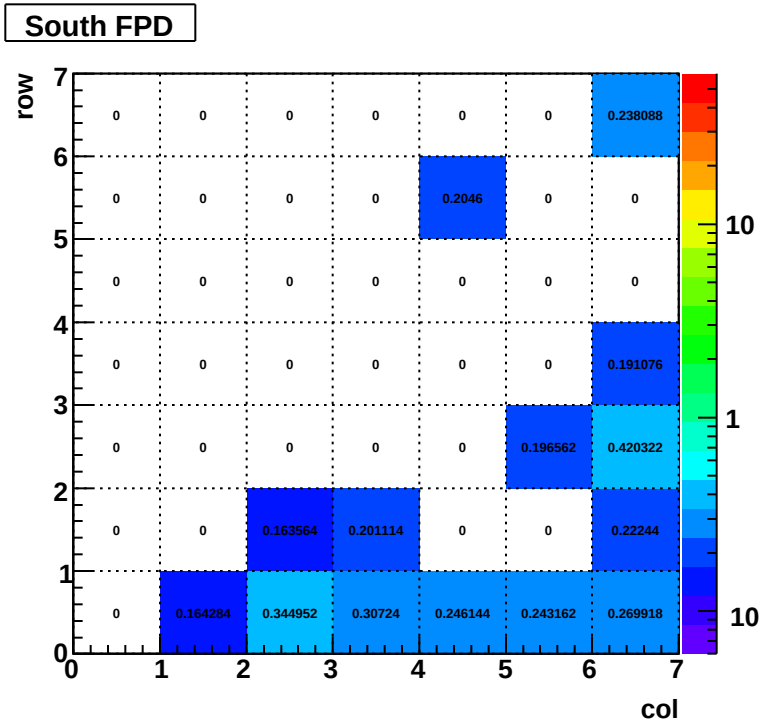
(2) Energy=20.414579 Y=-3.916821 Phi=3.124469

M12=0.552 Y12=-3.660 Phi12=3.014 E12=62.596

SumN(-) = 104 SumN(+)= 147 AN/.6=0.286







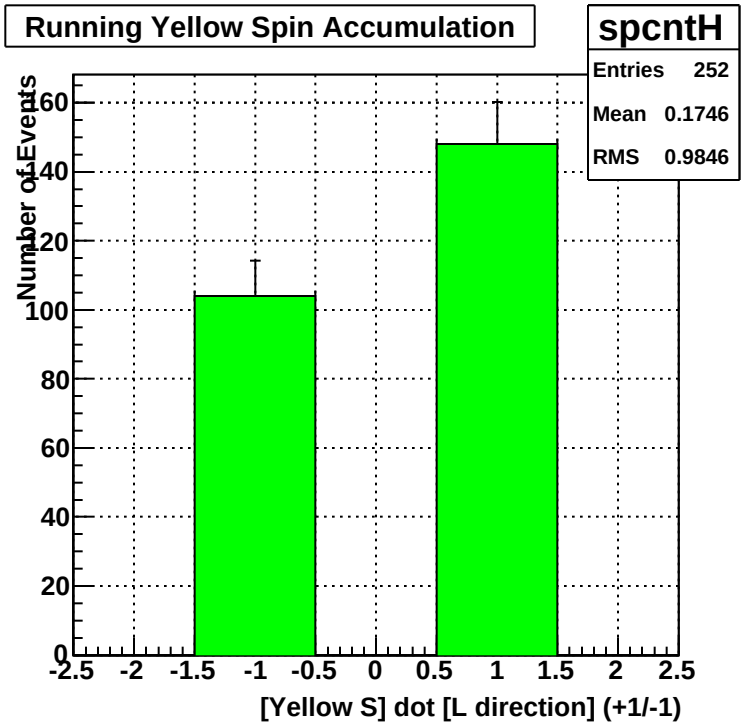
252) Rnum=7126022 EventN=1306356 (1 Yu-N[+])

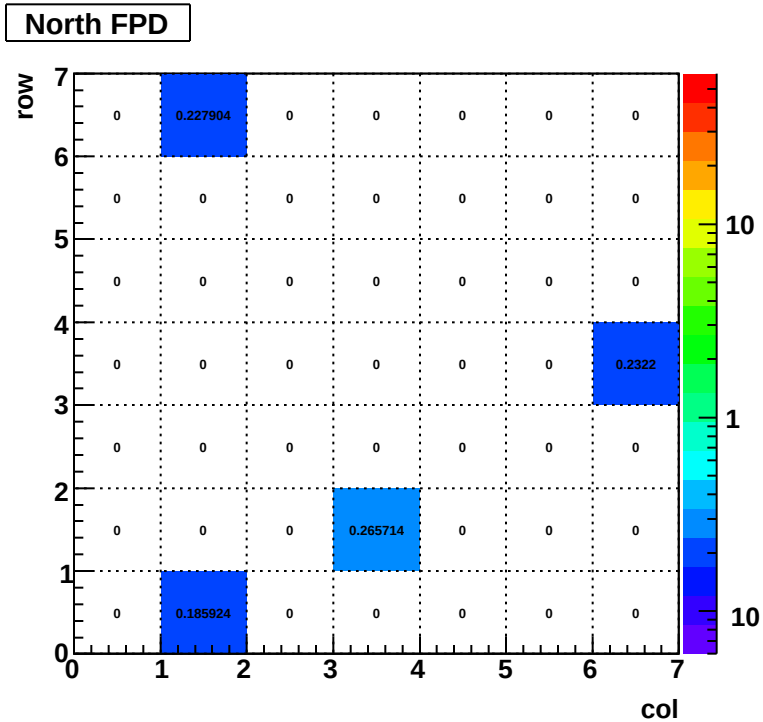
(1) Energy=55.470207 Y=-3.834732 Phi=-0.020983

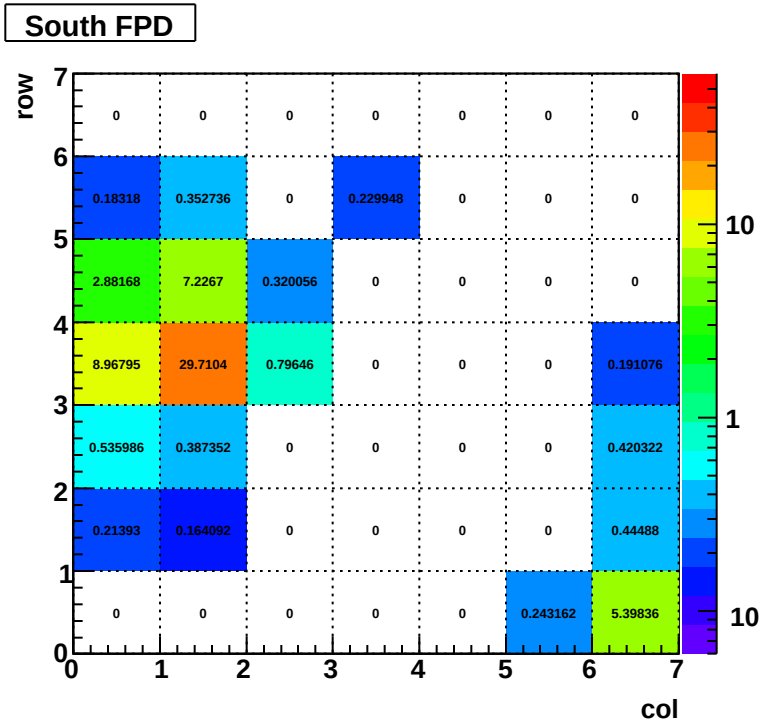
(2) Energy=7.846356 Y=-3.350093 Phi=0.210852

M12=0.621 Y12=-3.764 Phi12=0.022 E12=63.317

SumN(-) = 104 SumN(+)= 148 AN/.6=0.291







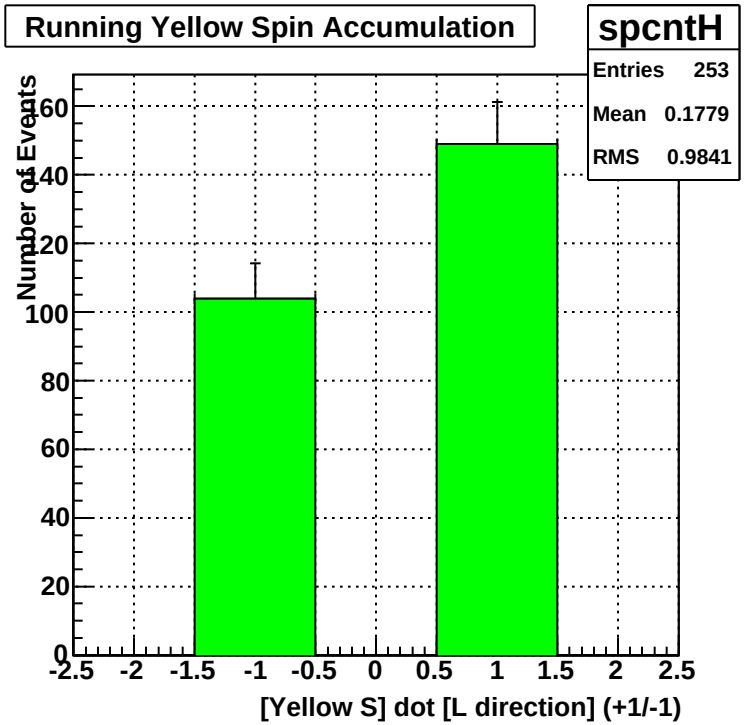
253) Rnum=7126024 EventN=3804995 (0 Yd-S[+])

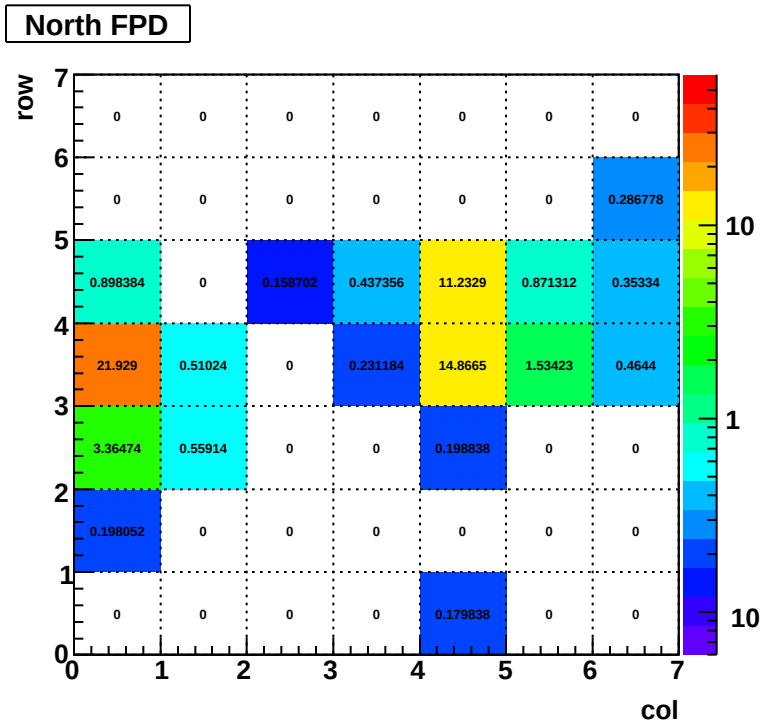
(1) Energy=32.133583 Y=-3.923294 Phi=3.091849

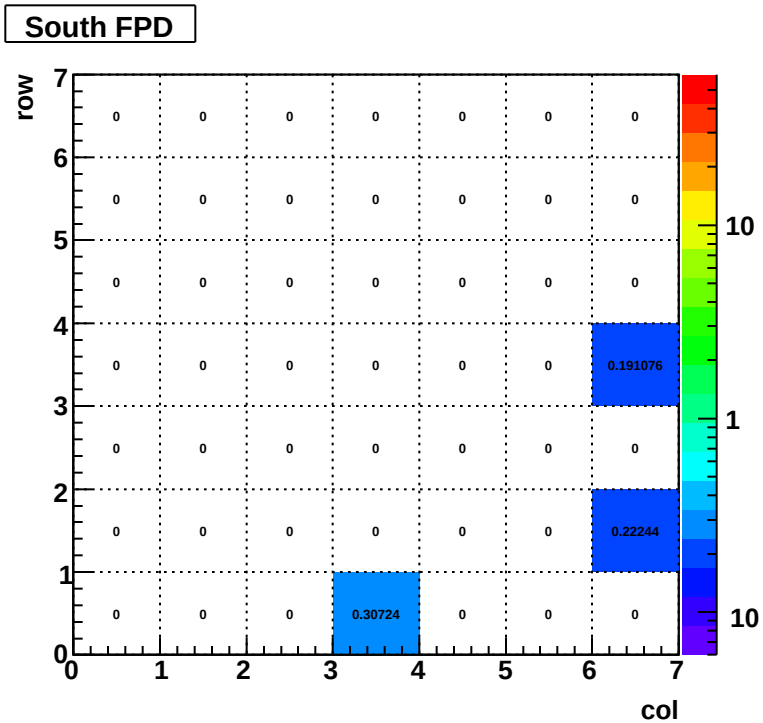
(2) Energy=30.150261 Y=-3.510443 Phi=-3.115622

M12=0.639 Y12=-3.703 Phi12=3.136 E12=62.284

SumN(-) = 104 SumN(+)= 149 AN/.6=0.296







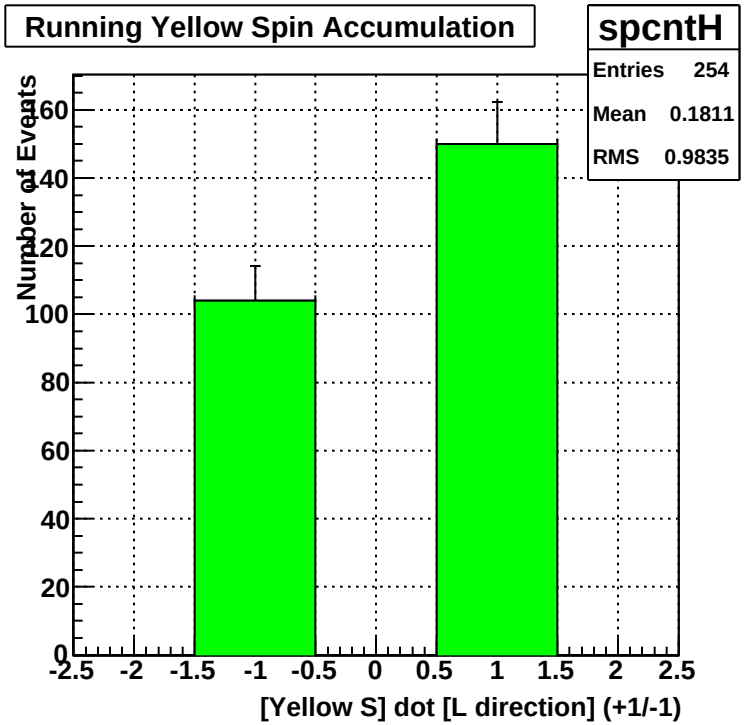
254) Rnum=7126024 EventN=4408308 (3 Yu-N[+])

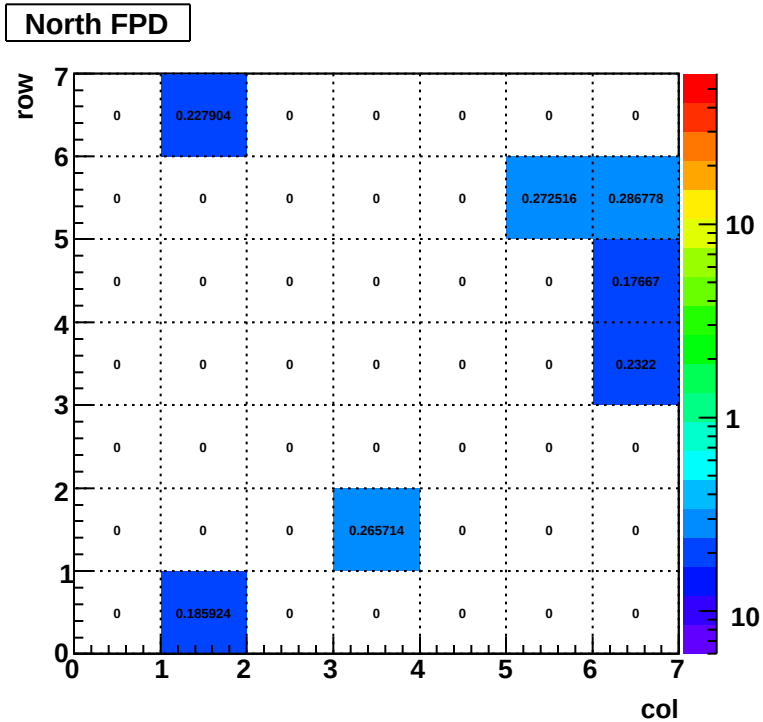
(1) Energy=44.386776 Y=-3.791423 Phi=0.044699

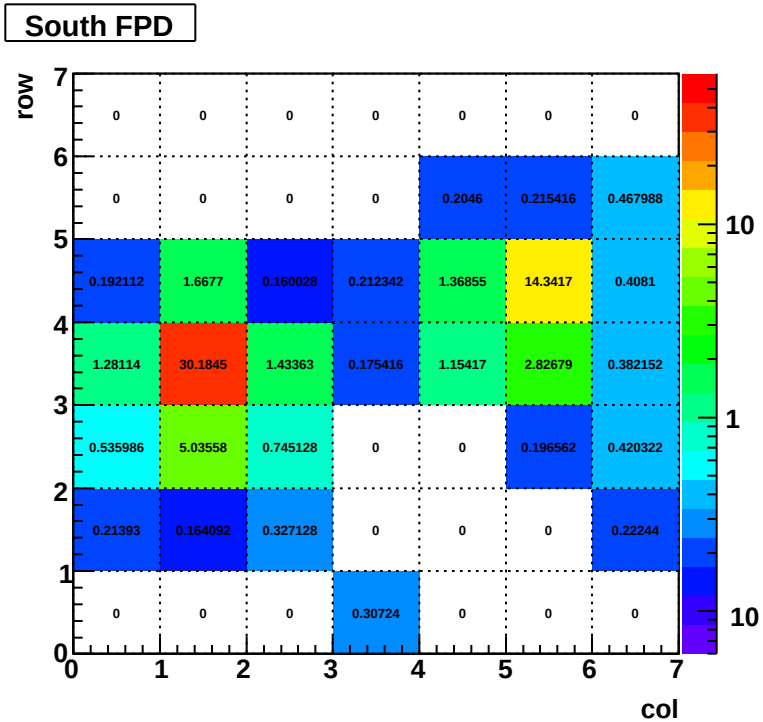
(2) Energy=20.800640 Y=-3.459866 Phi=-0.039361

M12=0.556 Y12=-3.674 Phi12=0.012 E12=65.187

SumN(-) = 104 SumN(+)= 150 AN/.6=0.302







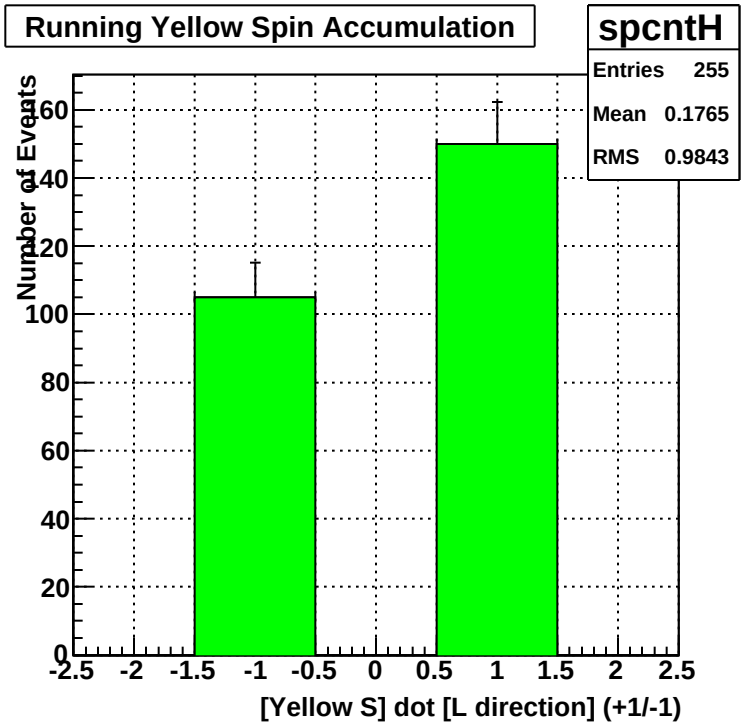
255) Rnum=7126024 EventN=4809607 (0 Yd-N[-])

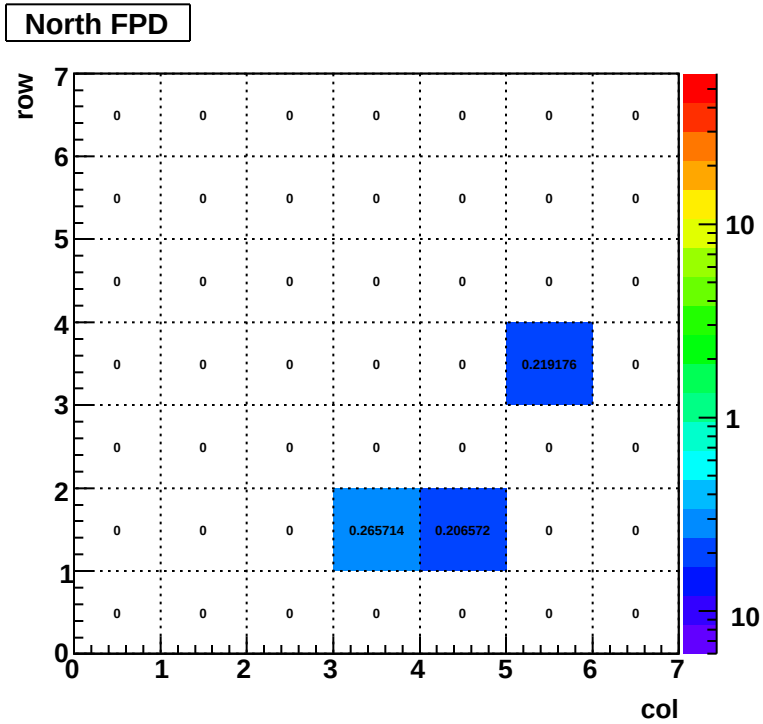
(1) Energy=42.982281 Y=-3.733711 Phi=0.161935

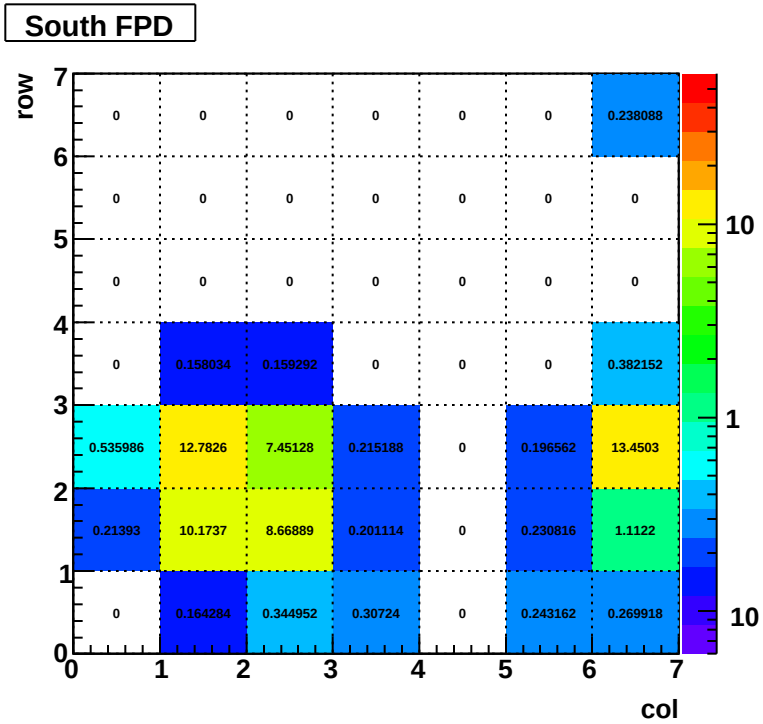
(2) Energy=18.013828 Y=-3.354621 Phi=0.089063

M12=0.624 Y12=-3.607 Phi12=0.134 E12=60.996

SumN(-) = 105 SumN(+)= 150 AN/.6=0.294







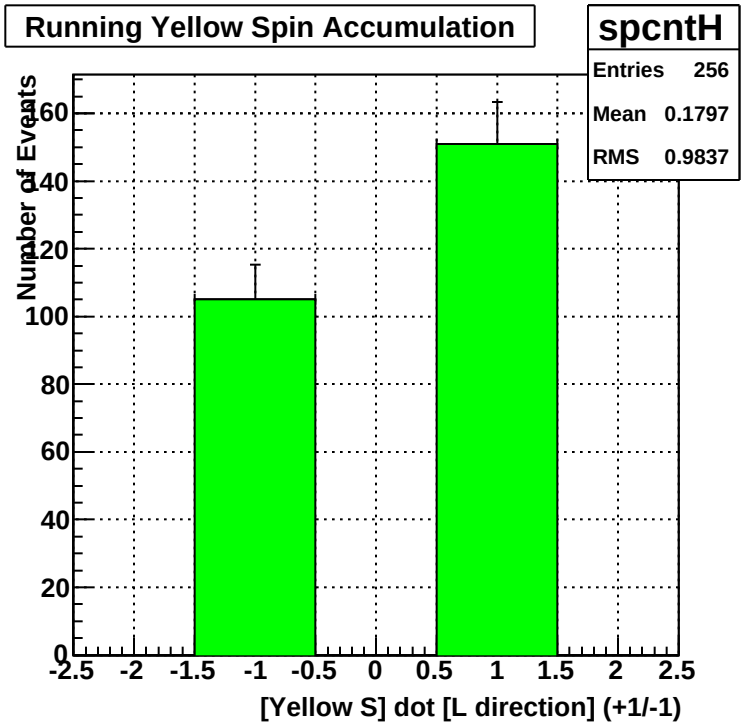
256) Rnum=7126024 EventN=5709042 (2 Yd-S[+])

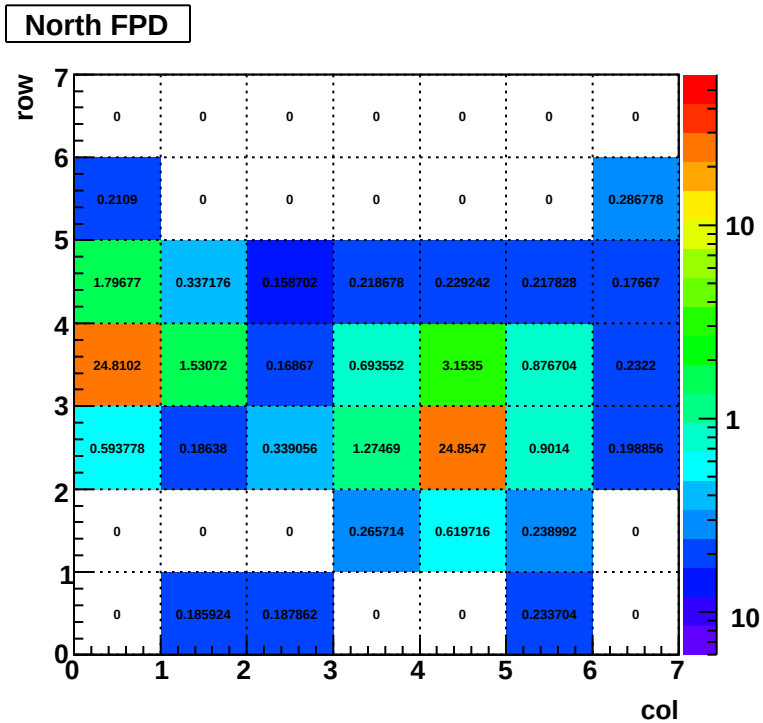
(1) Energy=33.394787 Y=-3.898460 Phi=3.137811

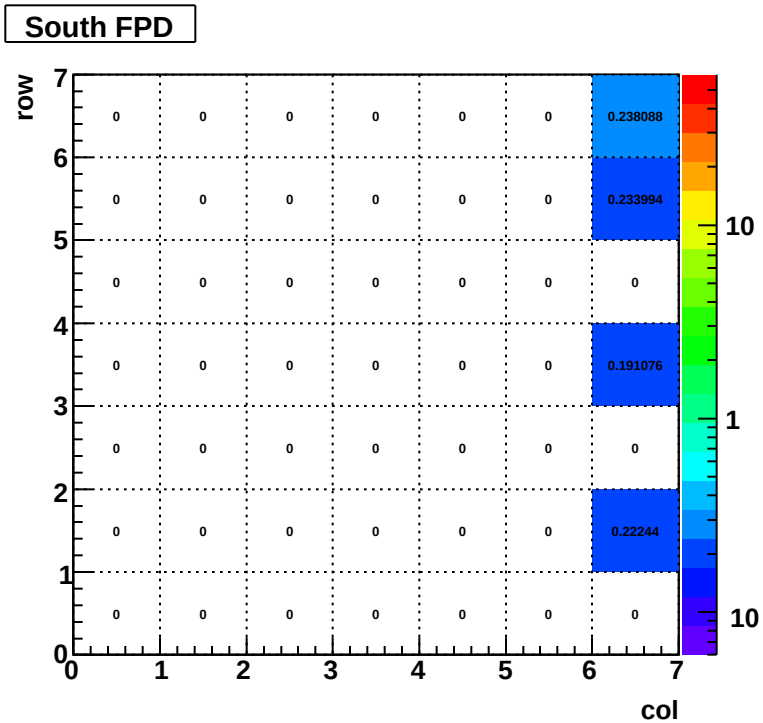
(2) Energy=32.879570 Y=-3.522721 Phi=3.069321

M12=0.622 Y12=-3.695 Phi12=3.097 E12=66.274

SumN(-) = 105 SumN(+)= 151 AN/.6=0.299







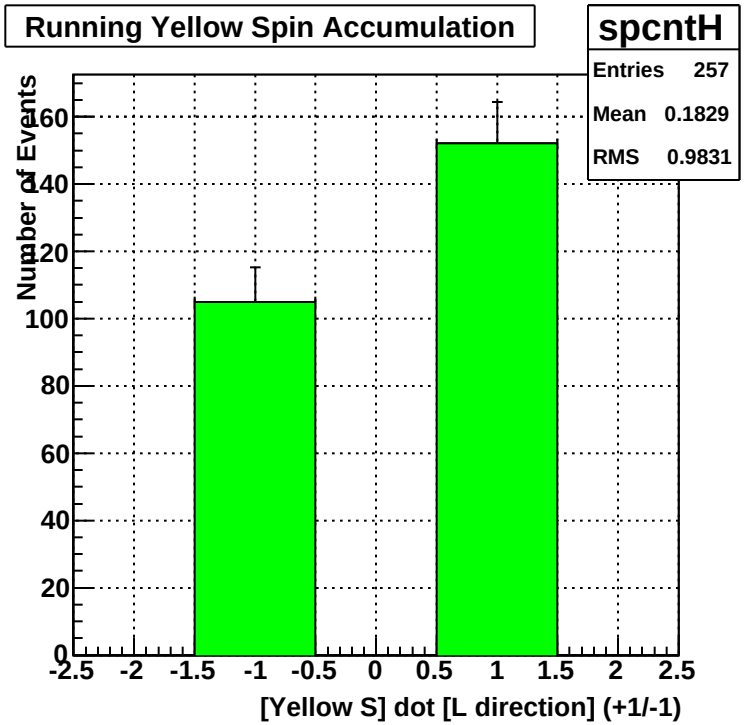
257) Rnum=7126024 EventN=1509049 (3 Yu-N[+])

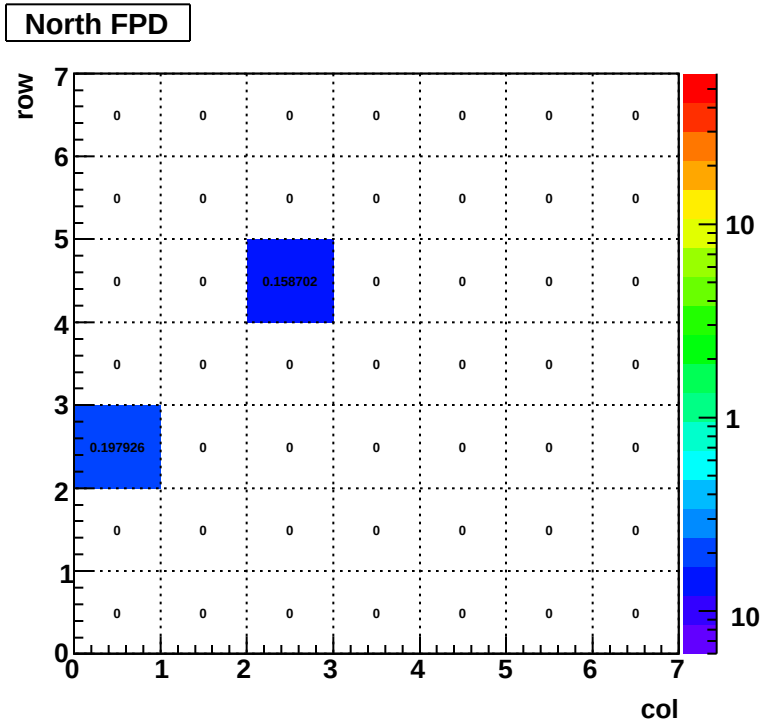
(1) Energy=55.225254 Y=-3.578072 Phi=-0.169097

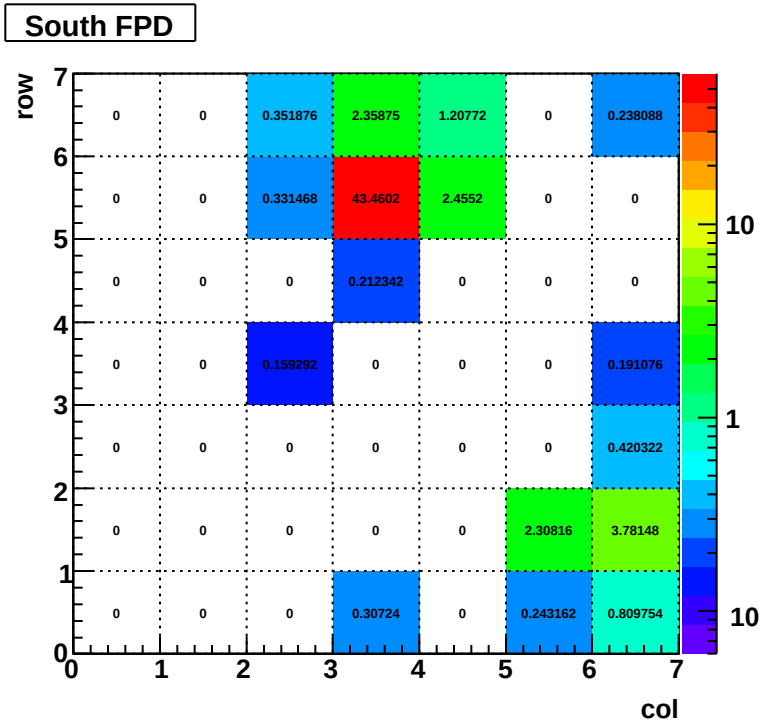
(2) Energy=8.529831 Y=-3.390206 Phi=0.168205

M12=0.512 Y12=-3.558 Phi12=-0.117 E12=63.755

SumN(-) = 105 SumN(+)= 152 AN/.6=0.305







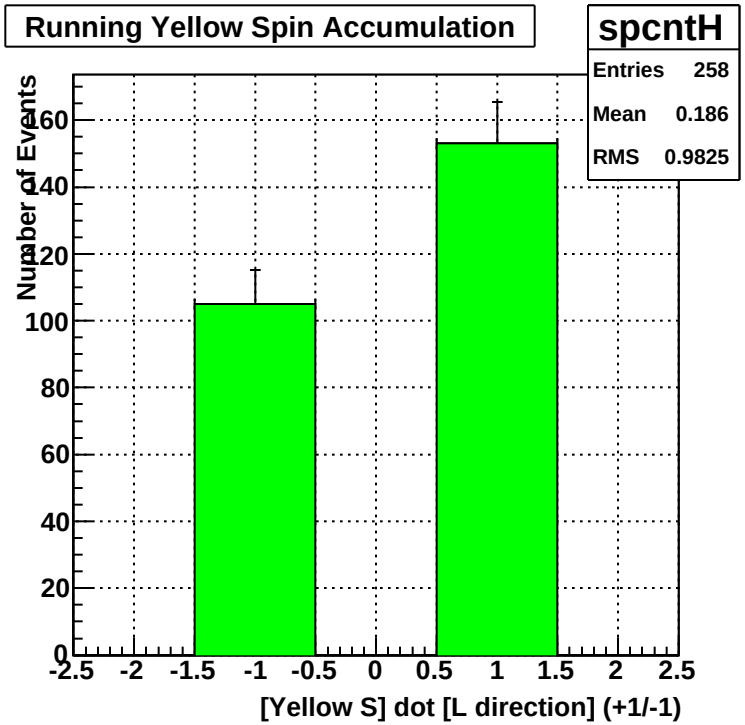
258) Rnum=7126024 EventN=1805688 (3 Yu-N[+])

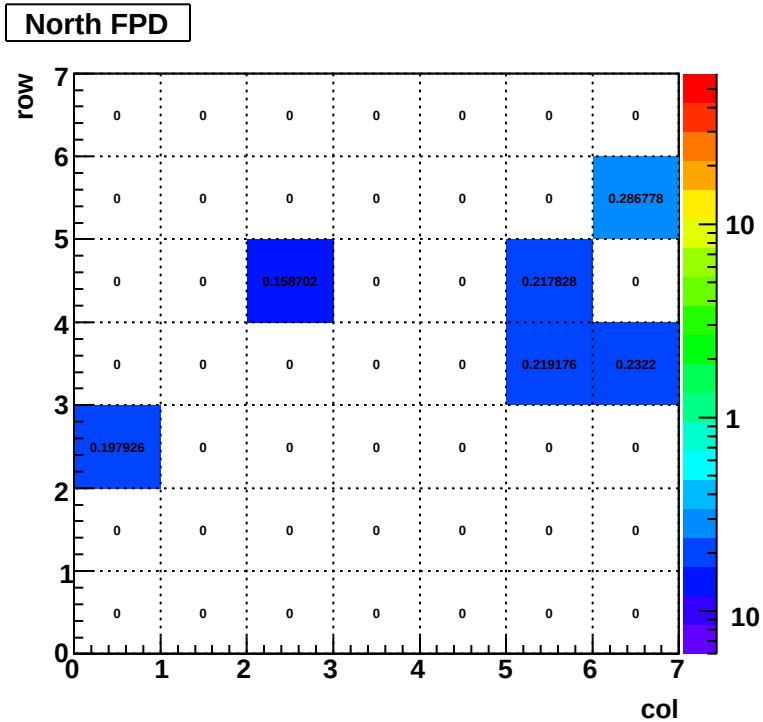
(1) Energy=41.705147 Y=-3.844308 Phi=-0.062412

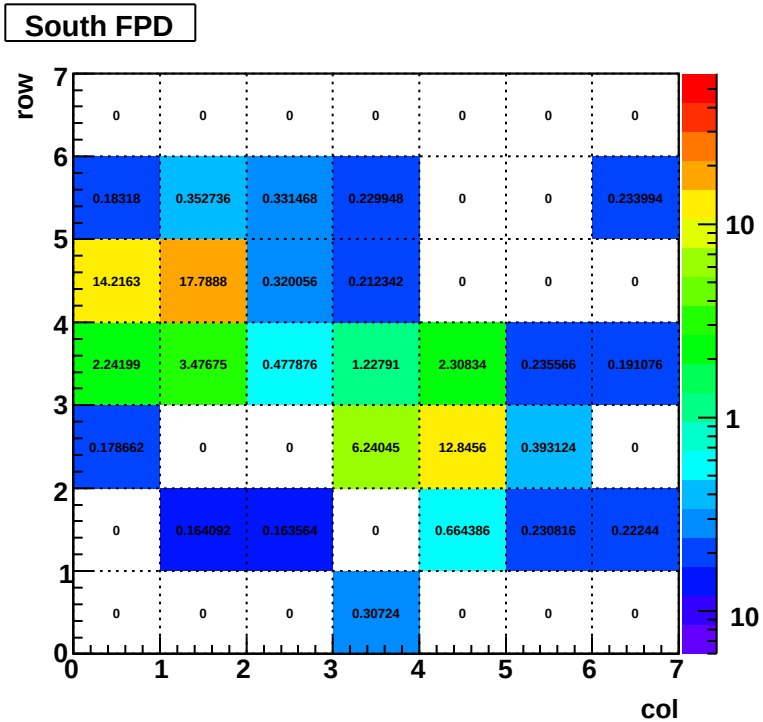
(2) Energy=23.268293 Y=-3.554514 Phi=0.071786

M12=0.493 Y12=-3.733 Phi12=-0.005 E12=64.973

SumN(-) = 105 SumN(+)= 153 AN/.6=0.310







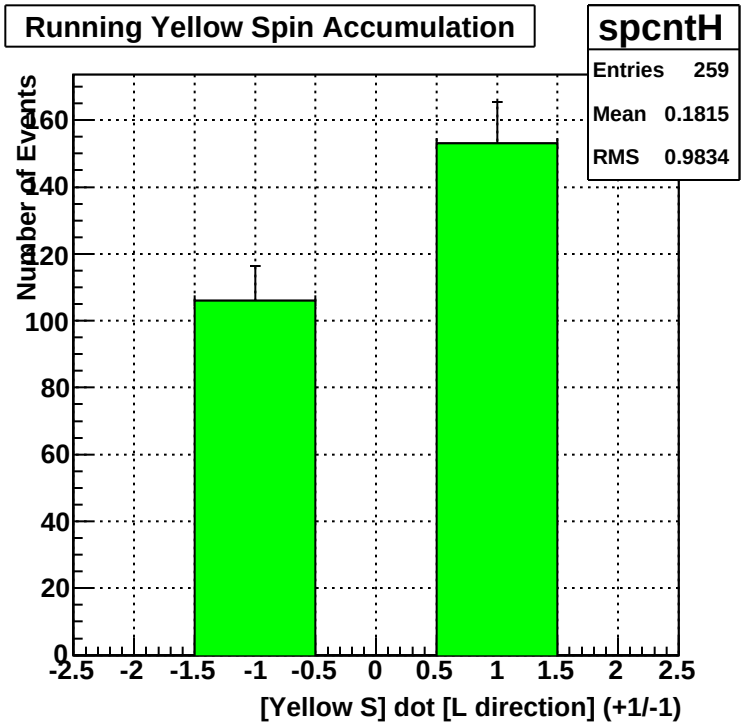
259) Rnum=7126024 EventN=2605644 (0 Yd-N[-])

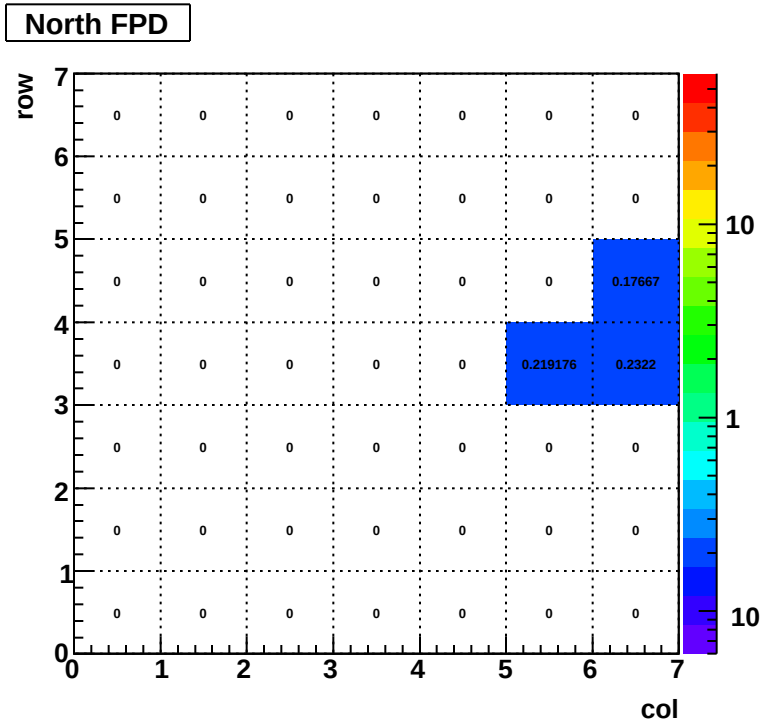
(1) Energy=43.100502 Y=-3.815542 Phi=0.013488

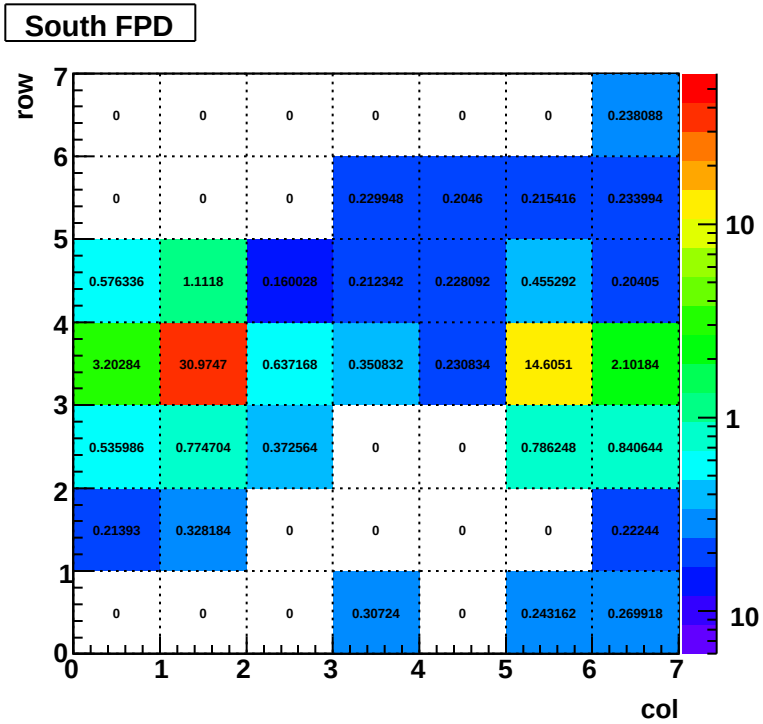
(2) Energy=19.338226 Y=-3.425282 Phi=0.017871

M12=0.606 Y12=-3.678 Phi12=0.015 E12=62.439

SumN(-) = 106 SumN(+)= 153 AN/.6=0.302







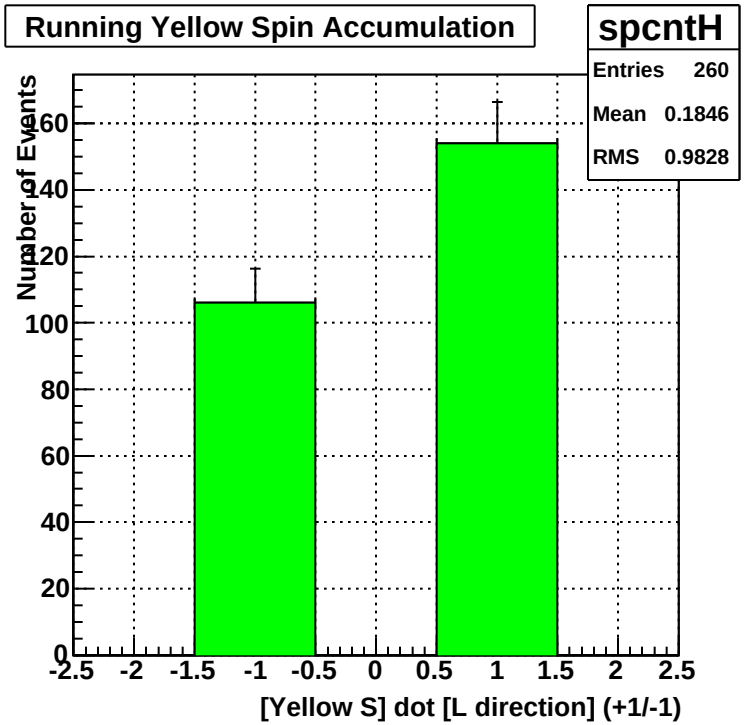
260) Rnum=7126032 EventN=3701882 (0 Yd-S[+])

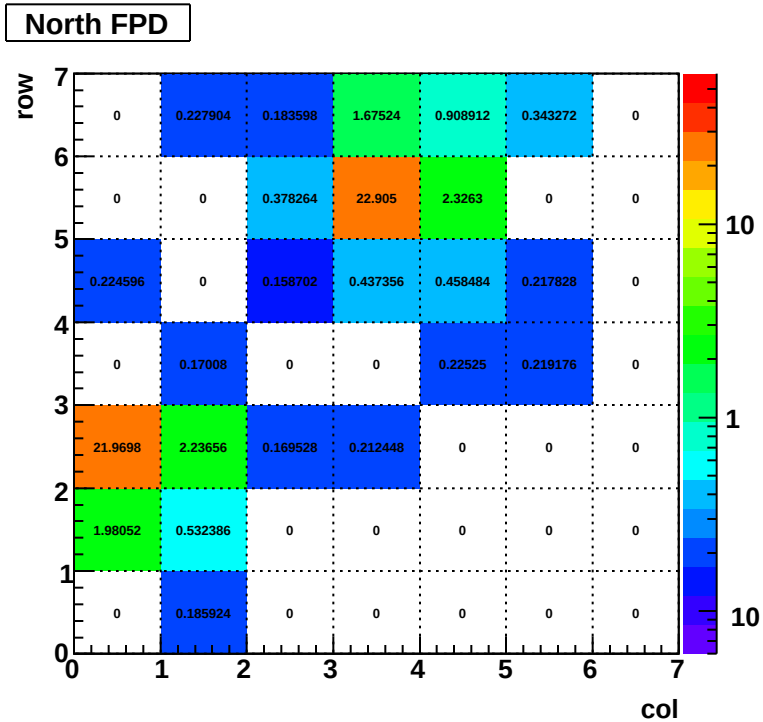
(1) Energy=30.408279 Y=-3.571715 Phi=-2.973600

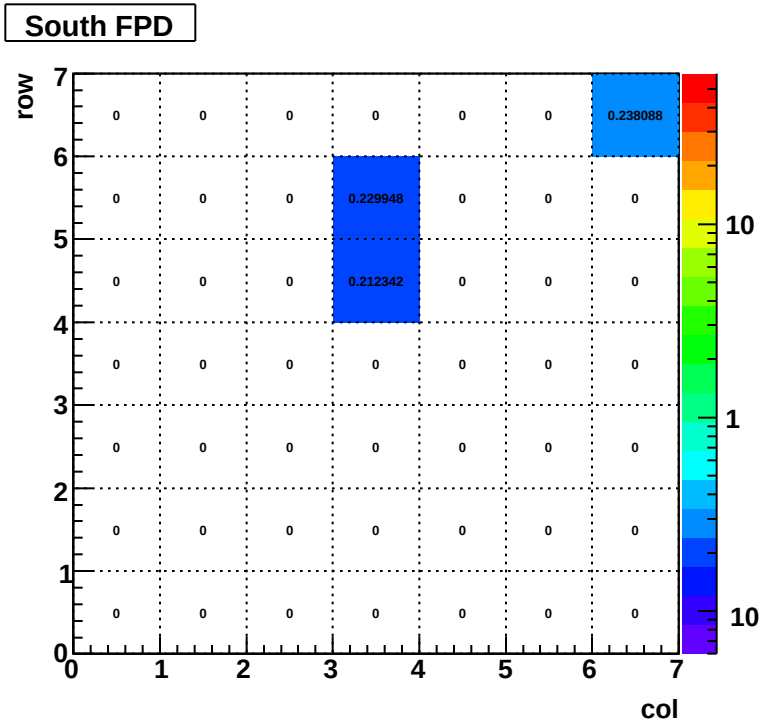
(2) Energy=29.804703 Y=-3.871760 Phi=2.991586

M12=0.636 Y12=-3.721 Phi12=-3.107 E12=60.213

SumN(-) = 106 SumN(+)= 154 AN/.6=0.308







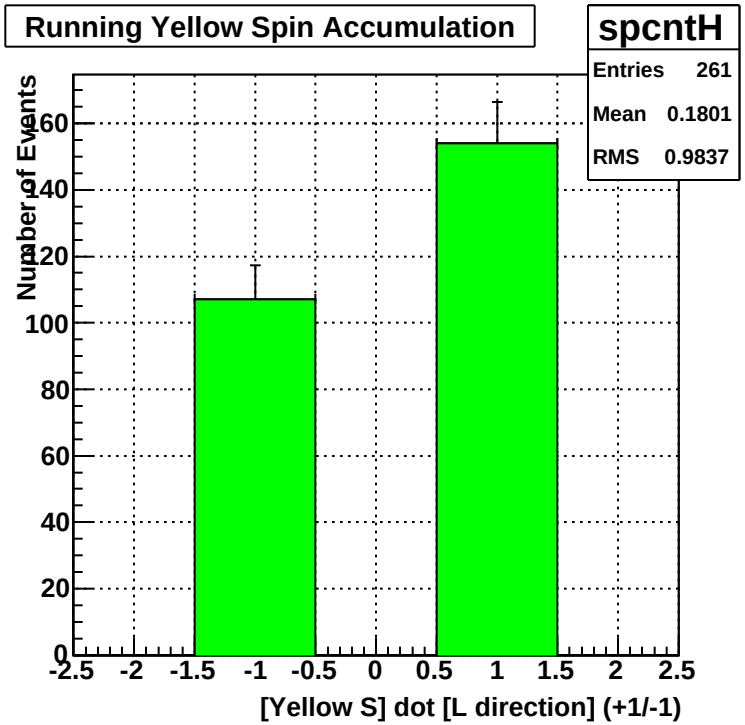
261) Rnum=7126032 EventN=5004614 (1 Yu-S[-])

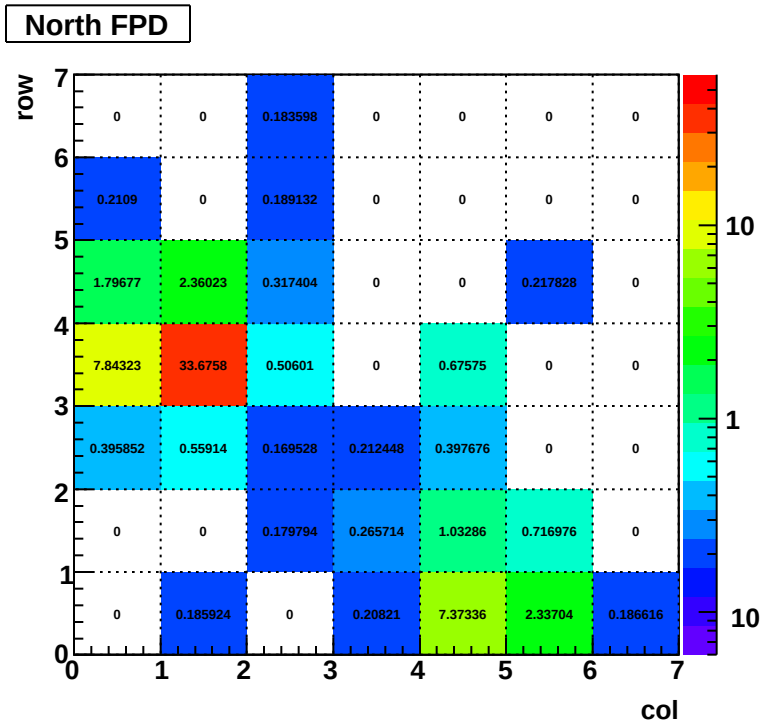
(1) Energy=49.703411 Y=-3.832122 Phi=-3.140446

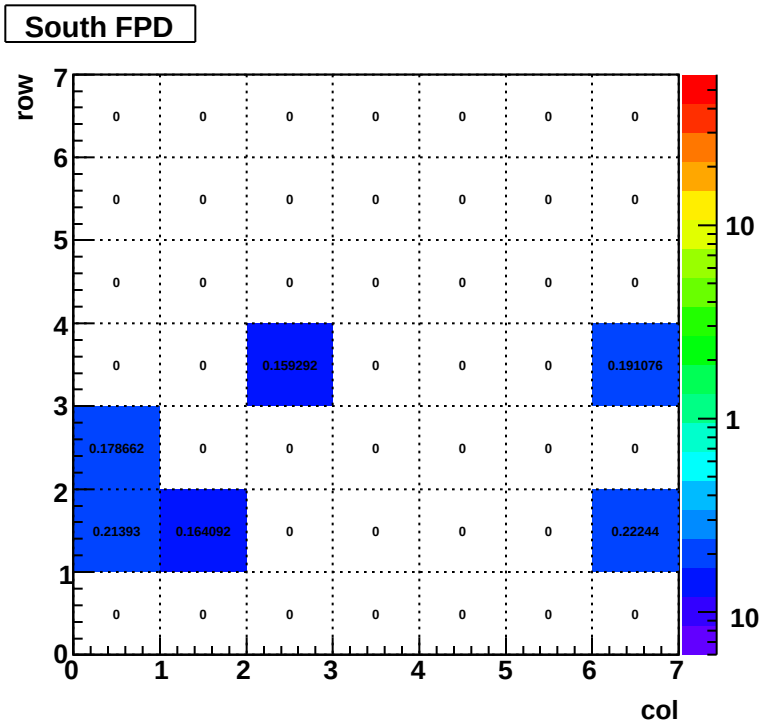
(2) Energy=12.346098 Y=-3.468280 Phi=2.922949

M12=0.549 Y12=-3.753 Phi12=3.085 E12=62.050

SumN(-) = 107 SumN(+)= 154 AN/.6=0.300







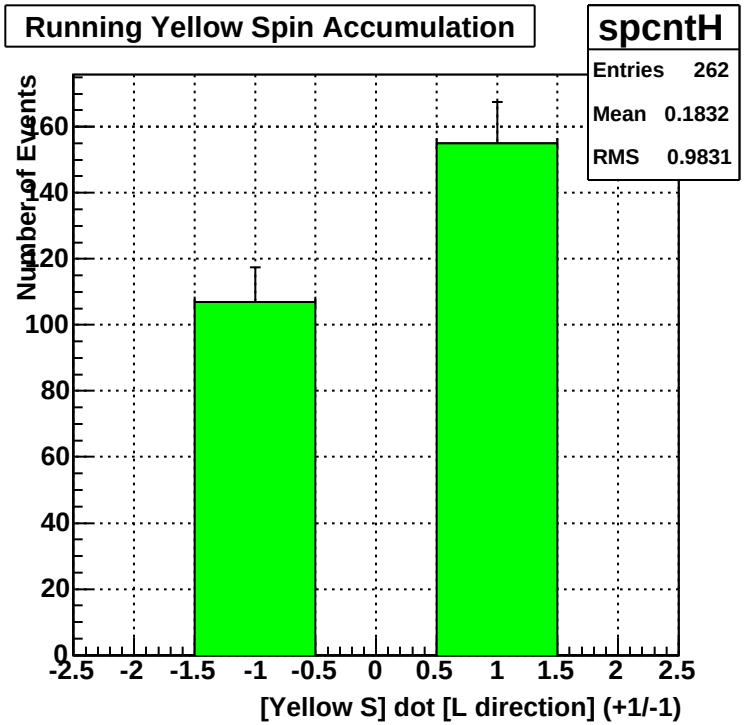
262) Rnum=7126032 EventN=2603268 (3 Yu-N[+])

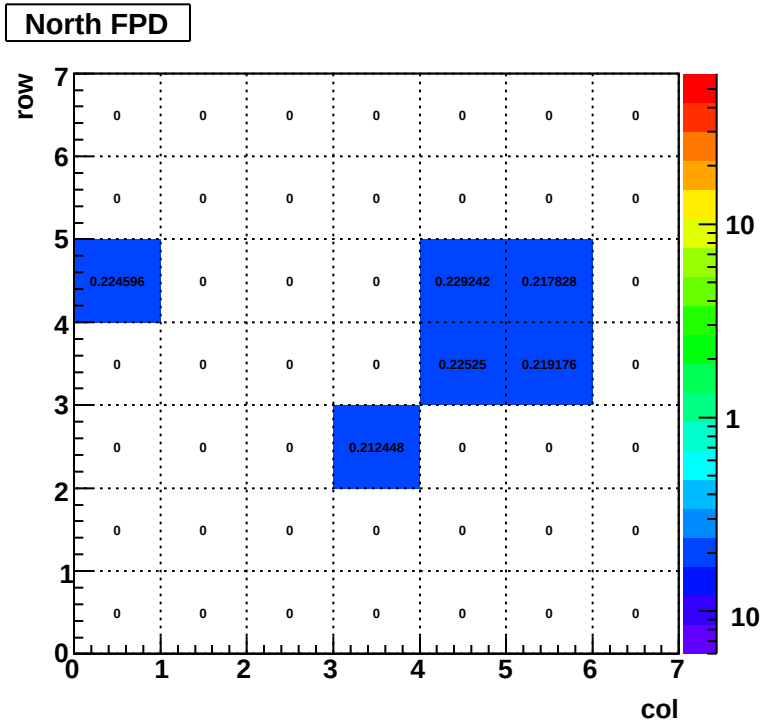
(1) Energy=51.303452 Y=-3.743294 Phi=0.146675

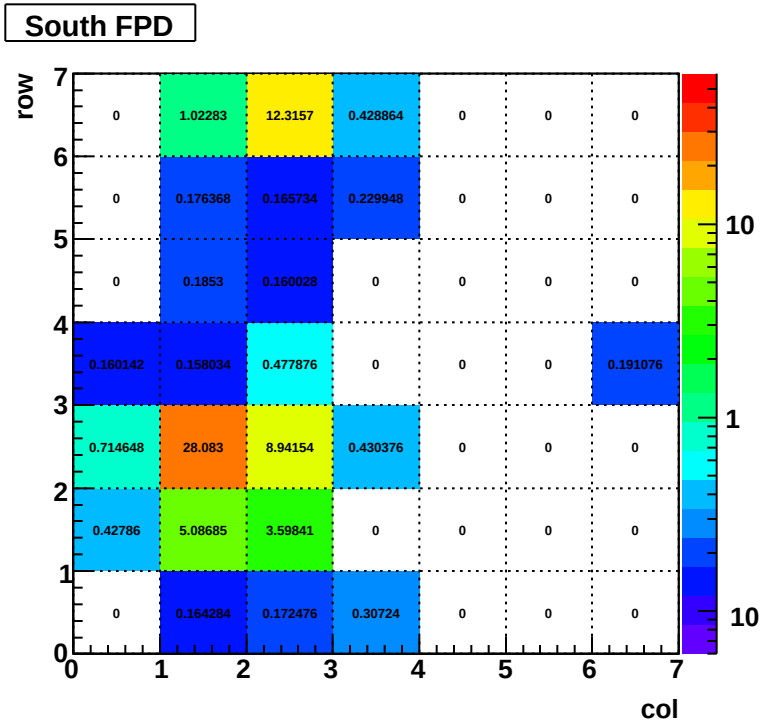
(2) Energy=17.391191 Y=-3.666733 Phi=-0.286337

M12=0.641 Y12=-3.742 Phi12=0.032 E12=68.695

SumN(-) = 107 SumN(+)= 155 AN/.6=0.305







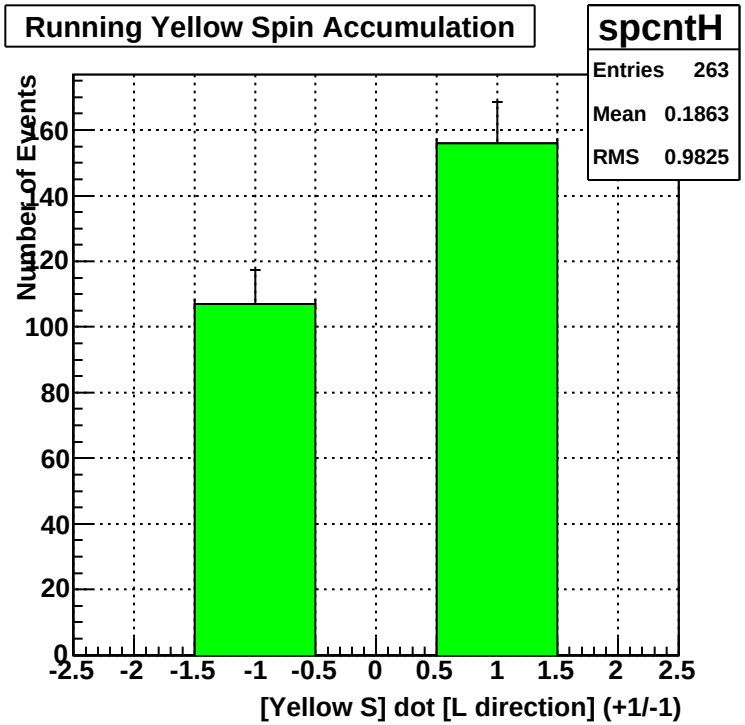
263) Rnum=7126032 EventN=2709263 (2 Yd-S[+])

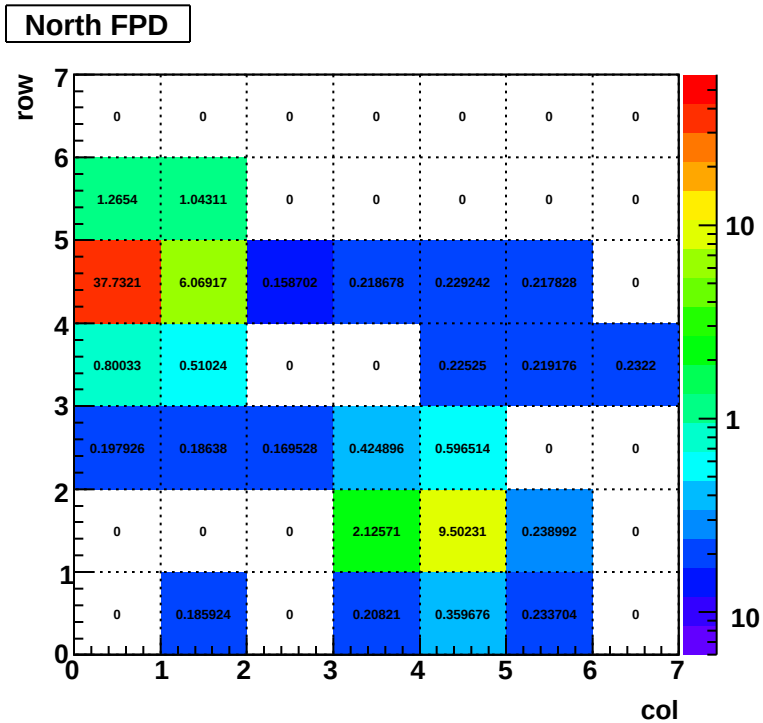
(1) Energy=49.546440 Y=-3.865883 Phi=-3.040114

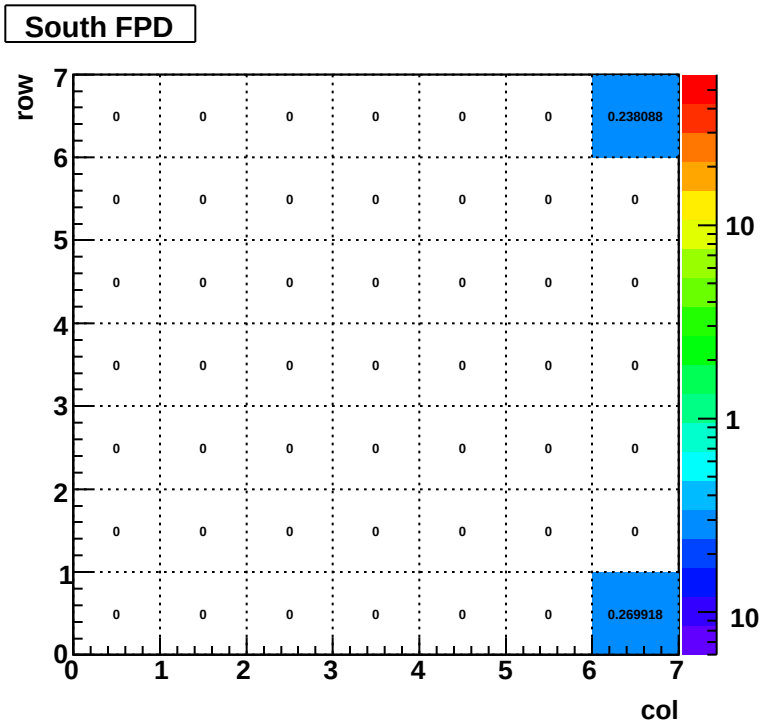
(2) Energy=13.396892 Y=-3.530676 Phi=2.972643

M12=0.550 Y12=-3.792 Phi12=-3.114 E12=62.943

SumN(-) = 107 SumN(+)= 156 AN/.6=0.311







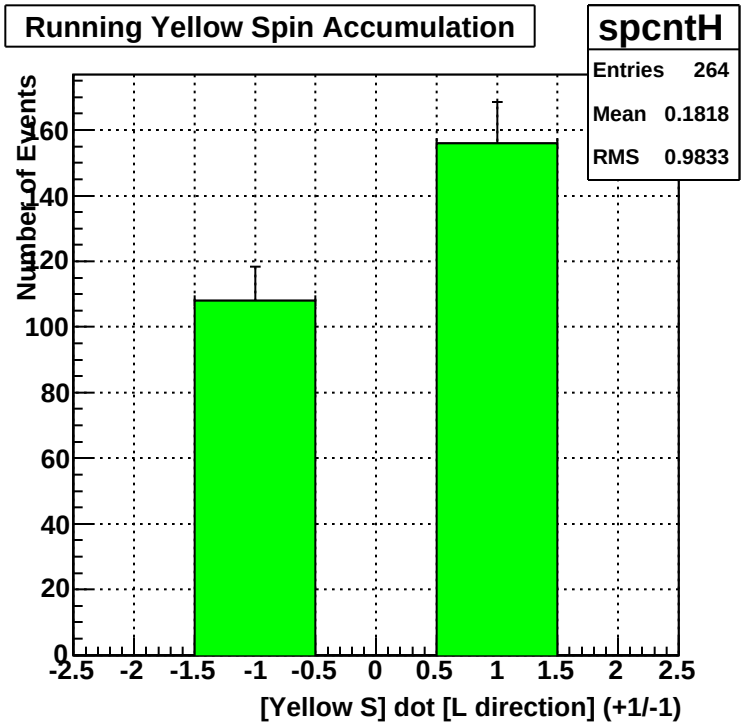
264) Rnum=7126036 EventN=7703512 (1 Yu-S[-])

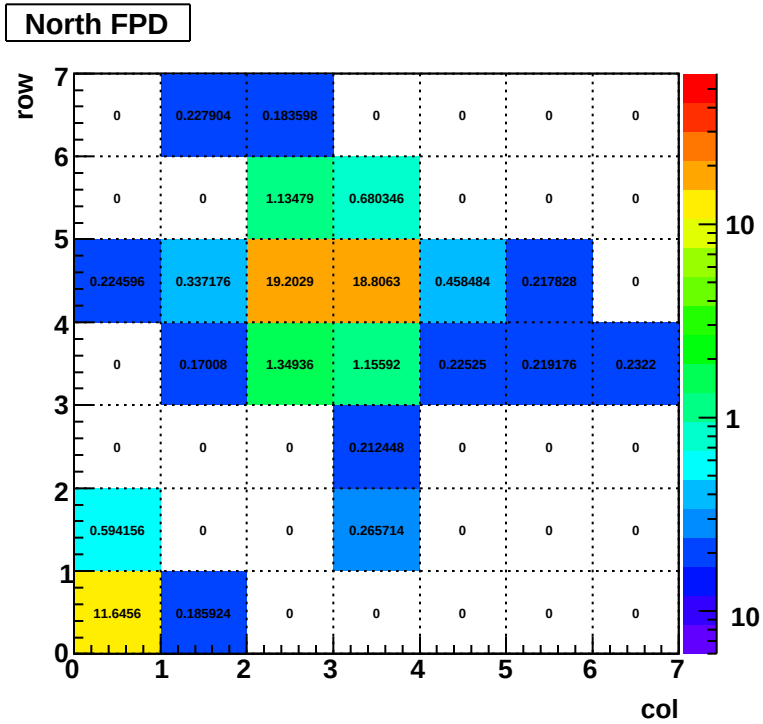
(1) Energy=46.168530 Y=-3.647042 Phi=-3.068879

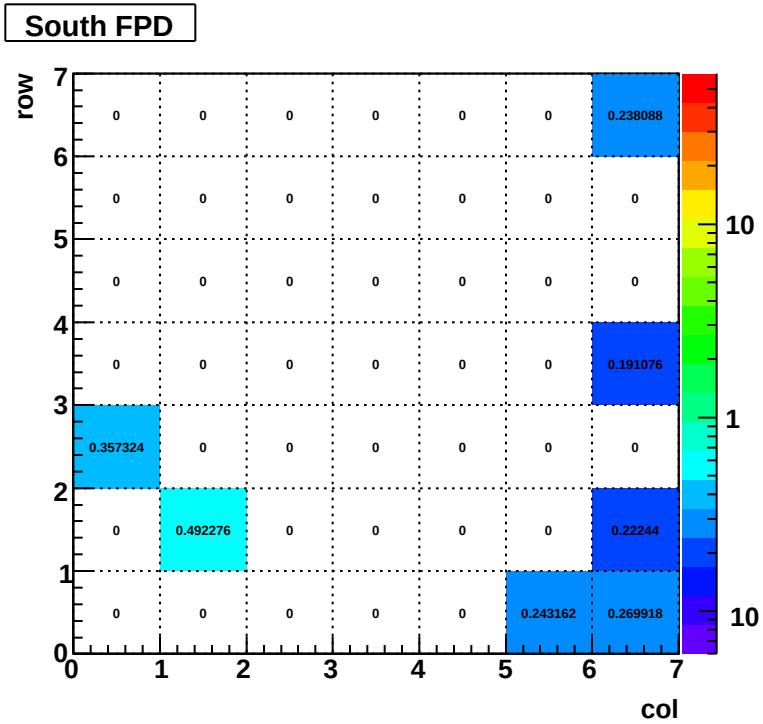
(2) Energy=14.414795 Y=-3.849350 Phi=2.788501

M12=0.570 Y12=-3.706 Phi12=3.129 E12=60.583

SumN(-) = 108 SumN(+)= 156 AN/.6=0.303







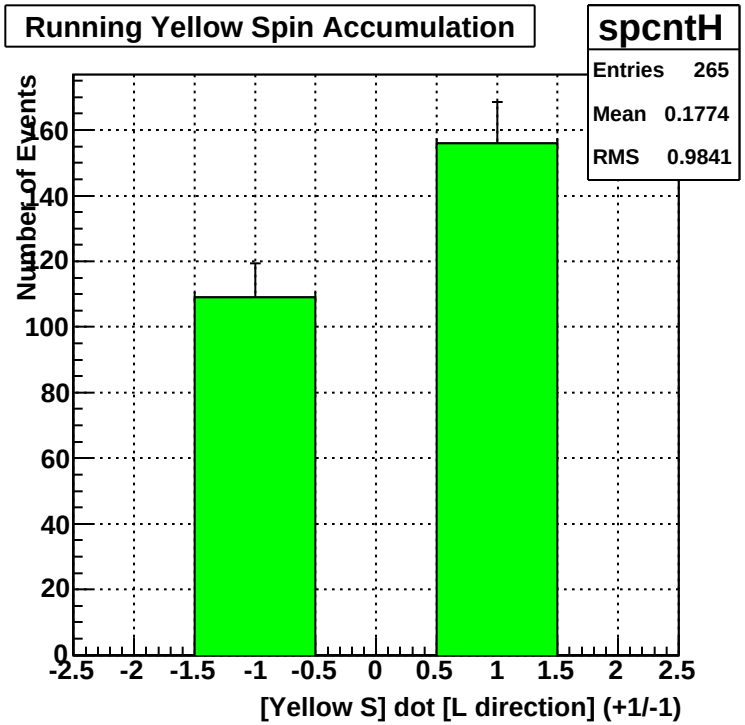
265) Rnum=7126036 EventN=9901803 (3 Yu-S[-])

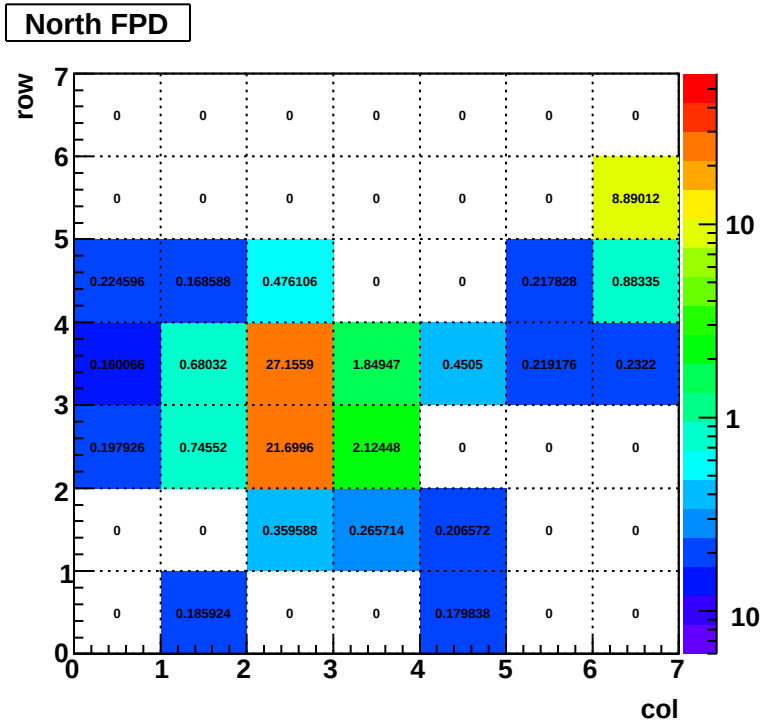
(1) Energy=58.803024 Y=-3.683350 Phi=3.082412

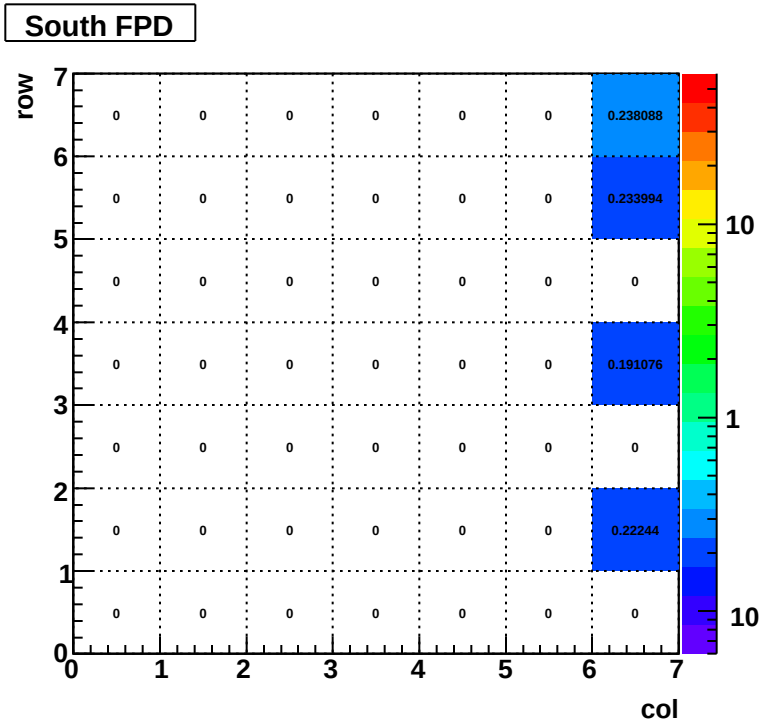
(2) Energy=10.673439 Y=-3.375803 Phi=-3.028982

M12=0.519 Y12=-3.632 Phi12=3.116 E12=69.476

SumN(-) = 109 SumN(+)= 156 AN/.6=0.296







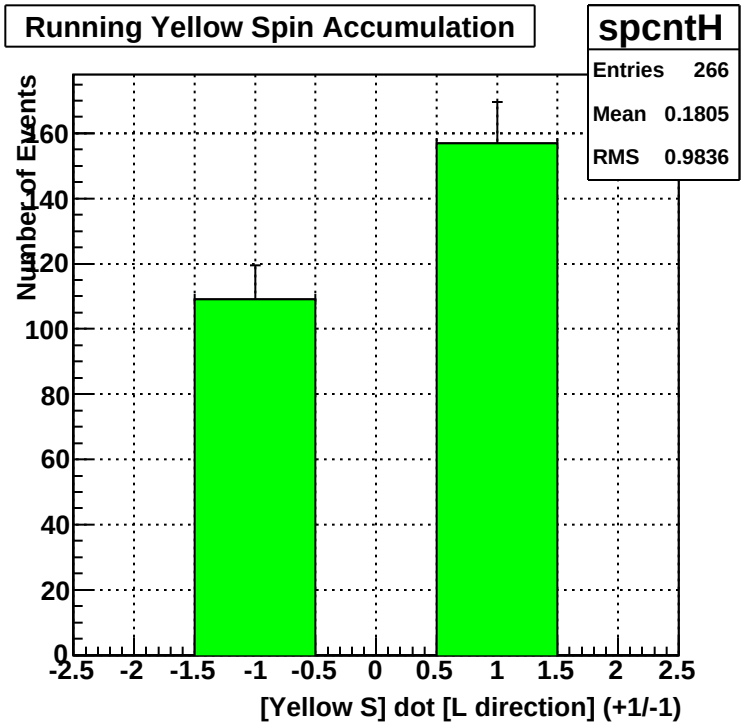
266) Rnum=7126038 EventN=9707981 (3 Yu-N[+])

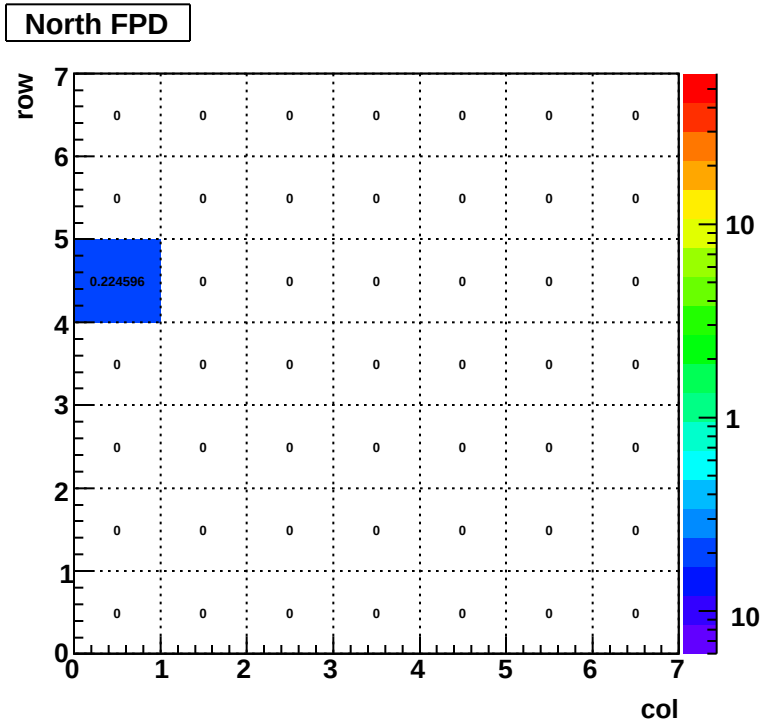
(1) Energy=46.378235 Y=-3.749344 Phi=-0.189306

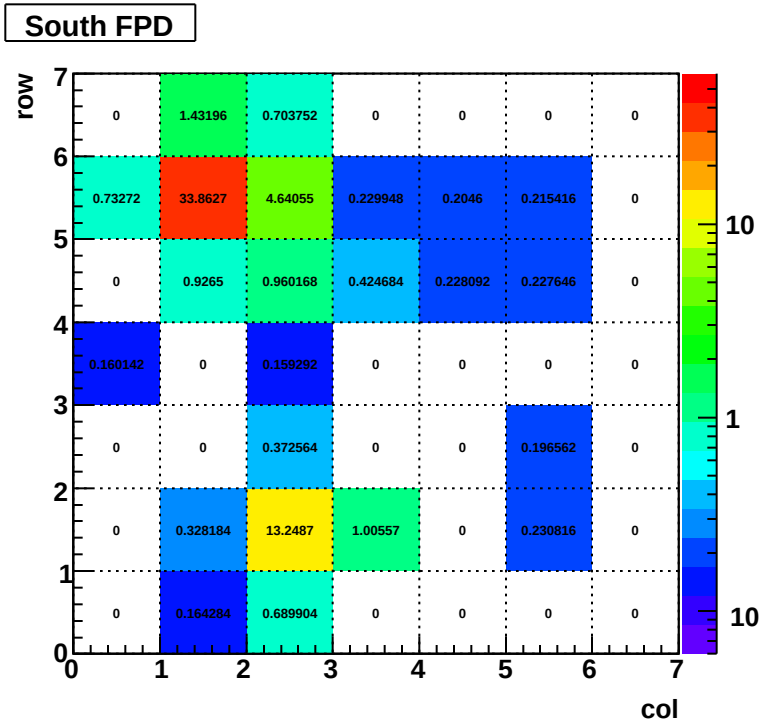
(2) Energy=17.084164 Y=-3.662077 Phi=0.205117

M12=0.555 Y12=-3.741 Phi12=-0.077 E12=63.462

SumN(-) = 109 SumN(+)= 157 AN/.6=0.301







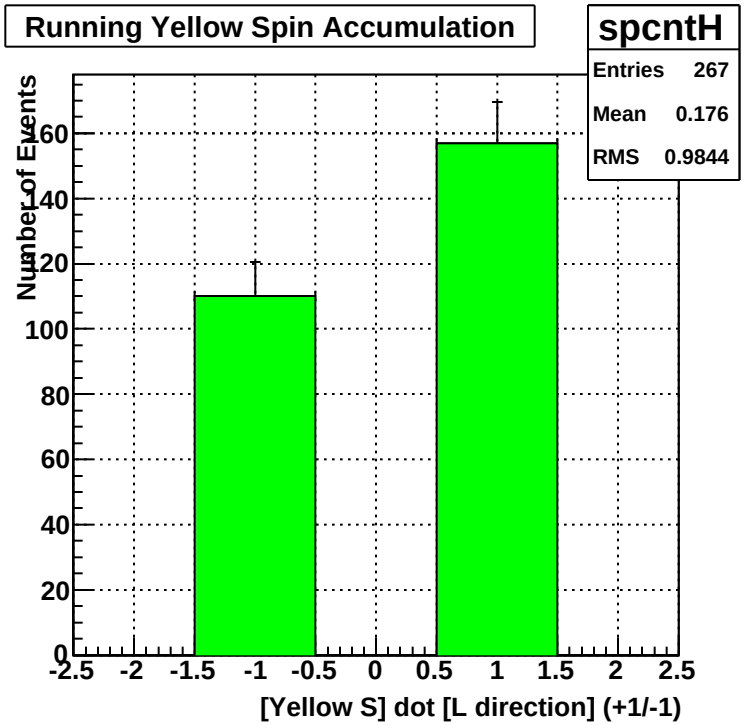
267) Rnum=7126054 EventN=406518 (1 Yu-S[-])

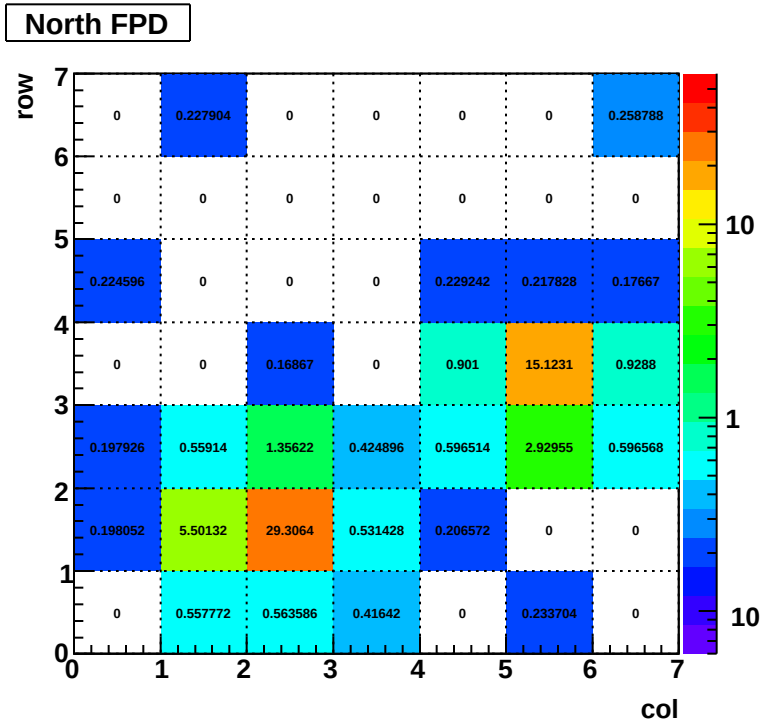
(1) Energy=41.840755 Y=-3.704407 Phi=2.940394

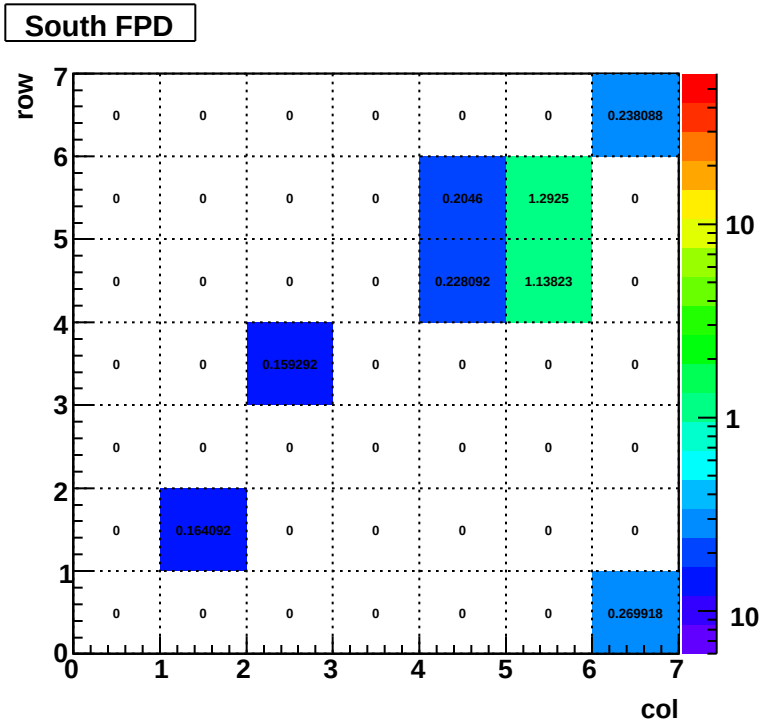
(2) Energy=21.606831 Y=-3.438298 Phi=3.108024

M12=0.532 Y12=-3.609 Phi12=3.008 E12=63.448

SumN(-) = 110 SumN(+)= 157 AN/.6=0.293







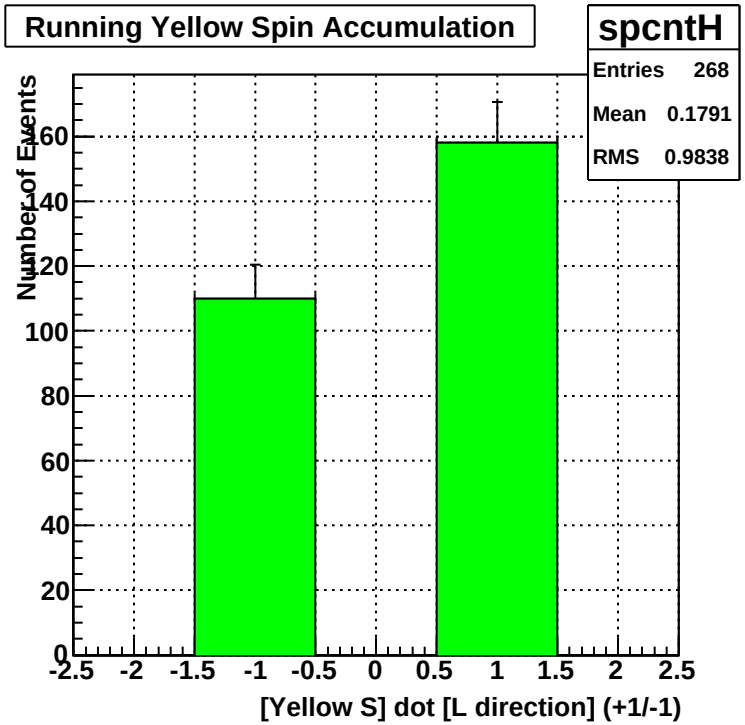
268) Rnum=7126054 EventN=901196 (3 Yu-N[+])

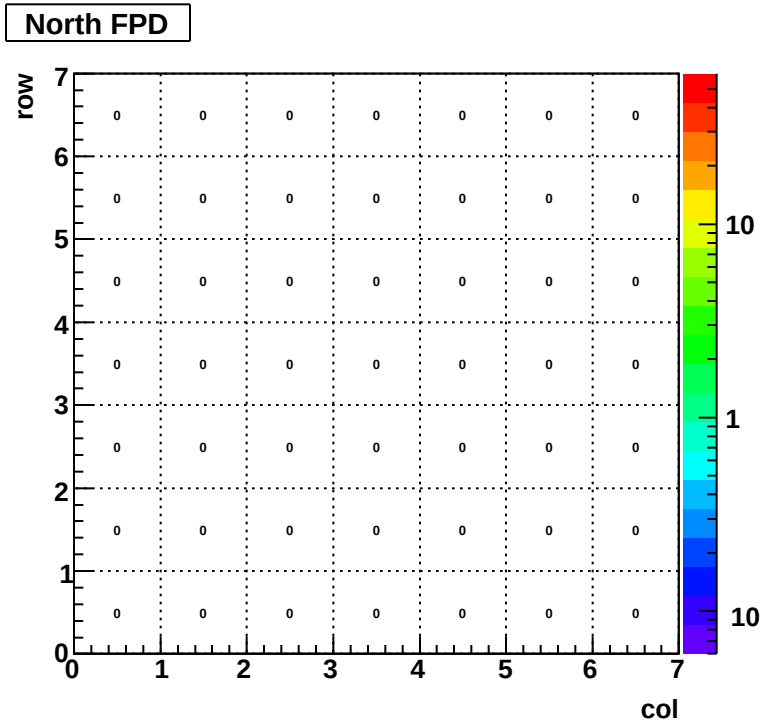
(1) Energy=35.634304 Y=-3.850912 Phi=-0.090246

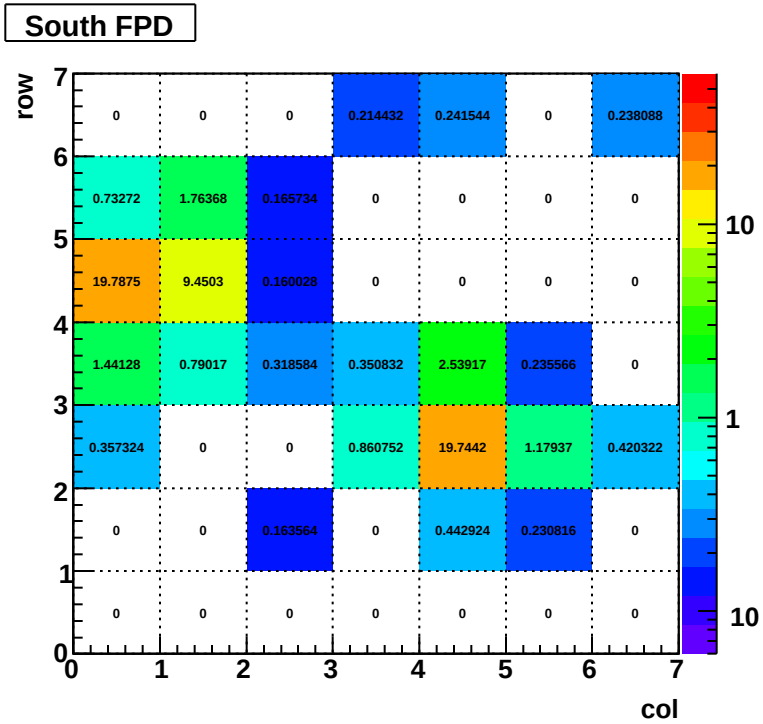
(2) Energy=25.288177 Y=-3.516003 Phi=0.073453

M12=0.564 Y12=-3.701 Phi12=-0.009 E12=60.922

SumN(-) = 110 SumN(+)= 158 AN/.6=0.299







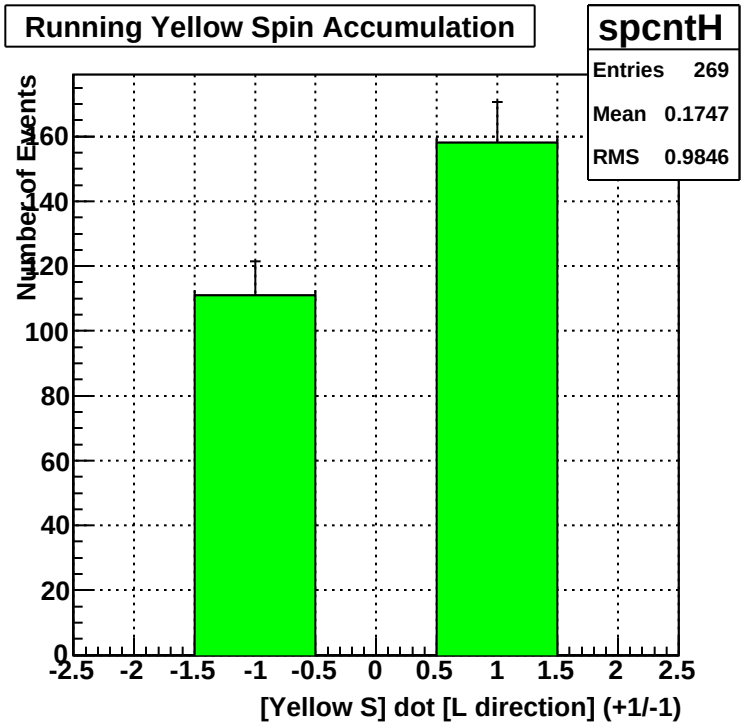
269) Rnum=7126055 EventN=1205016 (0 Yd-N[-])

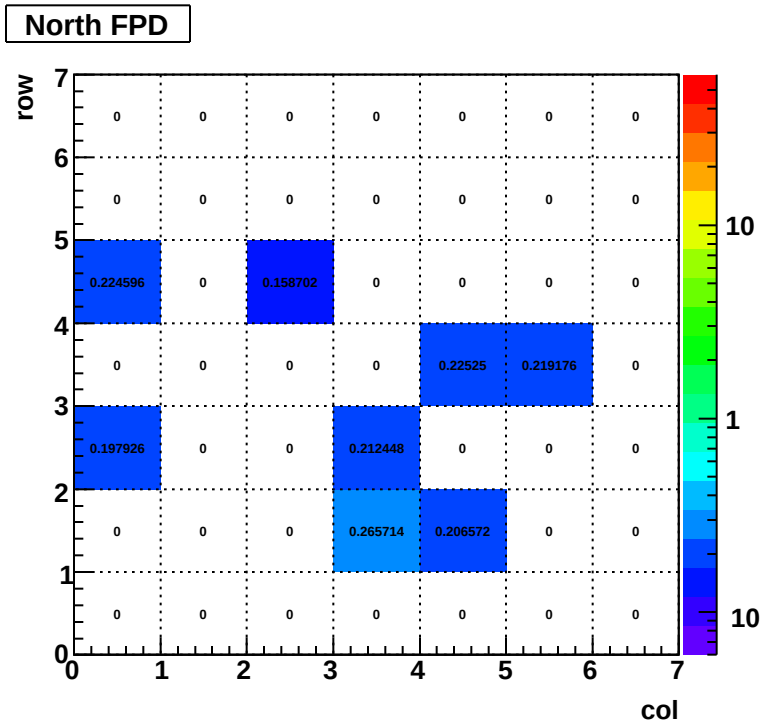
(1) Energy=36.602951 Y=-3.463778 Phi=-0.123928

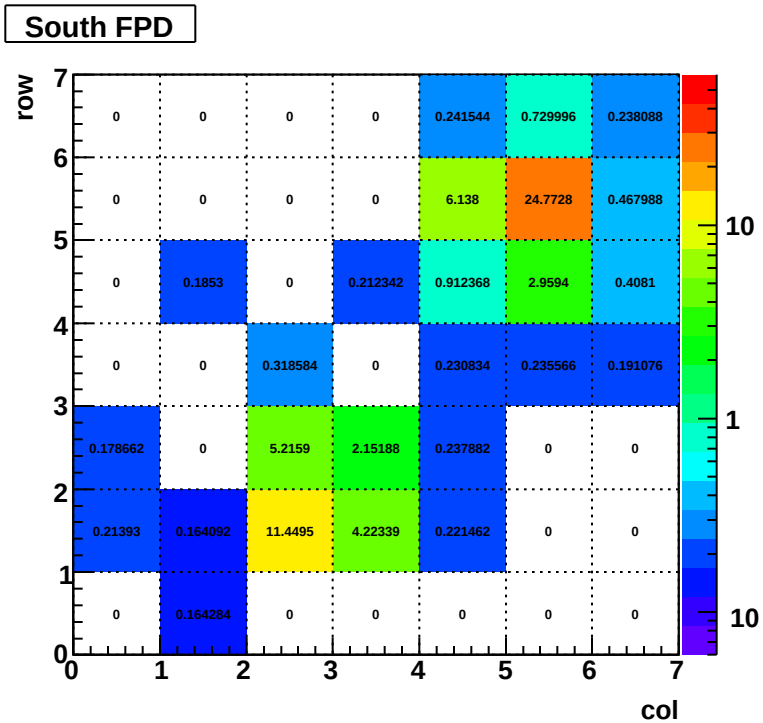
(2) Energy=24.544254 Y=-3.646359 Phi=0.155165

M12=0.570 Y12=-3.542 Phi12=-0.024 E12=61.147

SumN(-) = 111 SumN(+)= 158 AN/.6=0.291







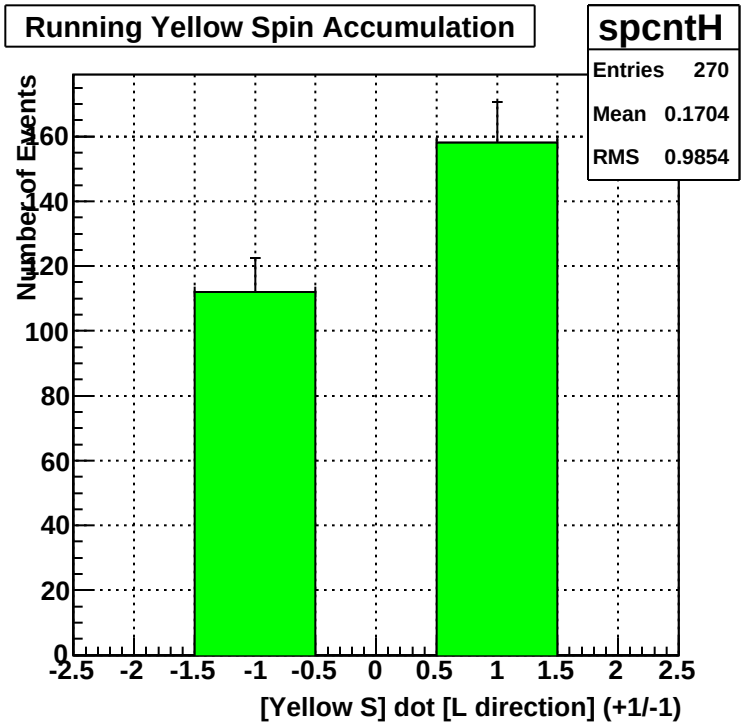
270) Rnum=7126055 EventN=1503526 (0 Yd-N[-])

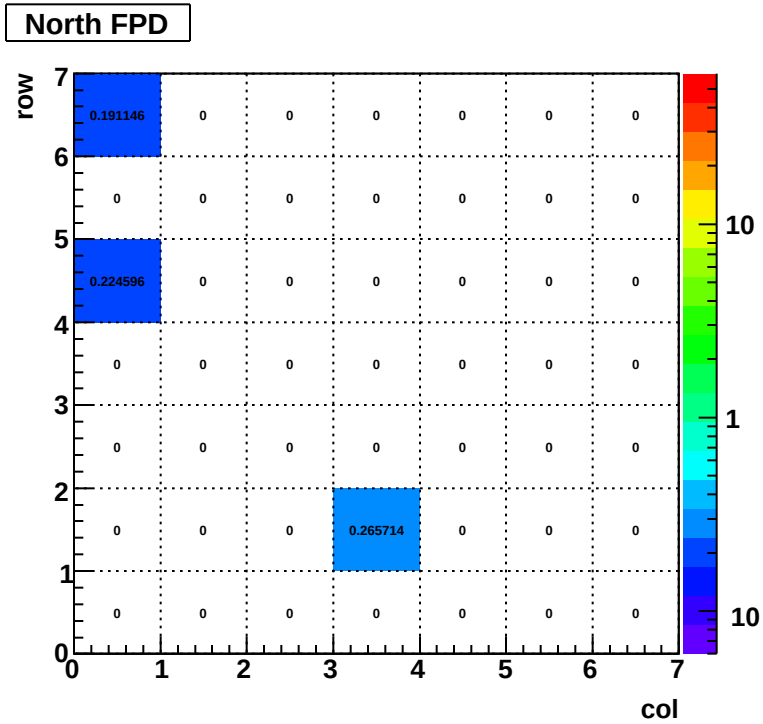
(1) Energy=58.183029 Y=-3.735719 Phi=-0.152552

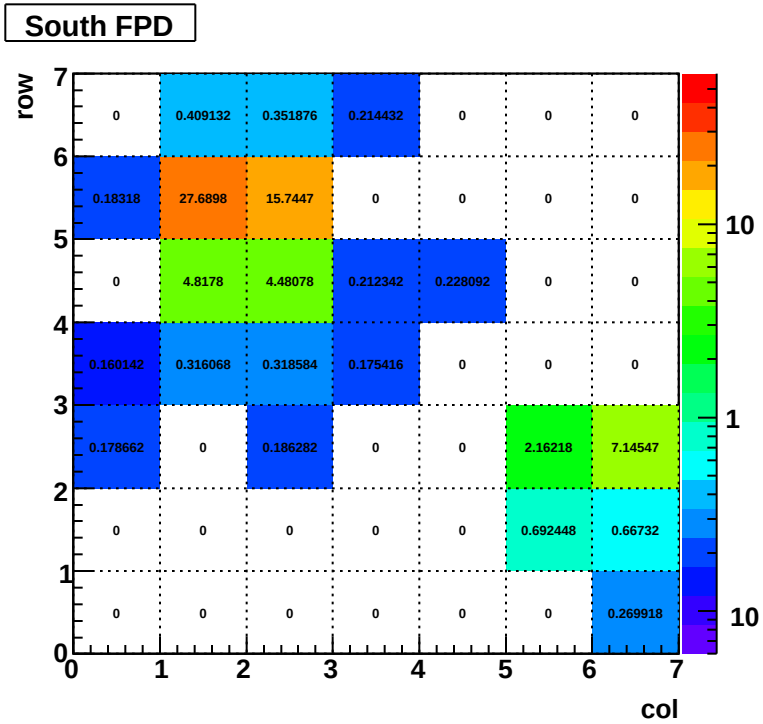
(2) Energy=11.581478 Y=-3.396408 Phi=0.098915

M12=0.621 Y12=-3.676 Phi12=-0.098 E12=69.765

SumN(-) = 112 SumN(+)= 158 AN/.6=0.284







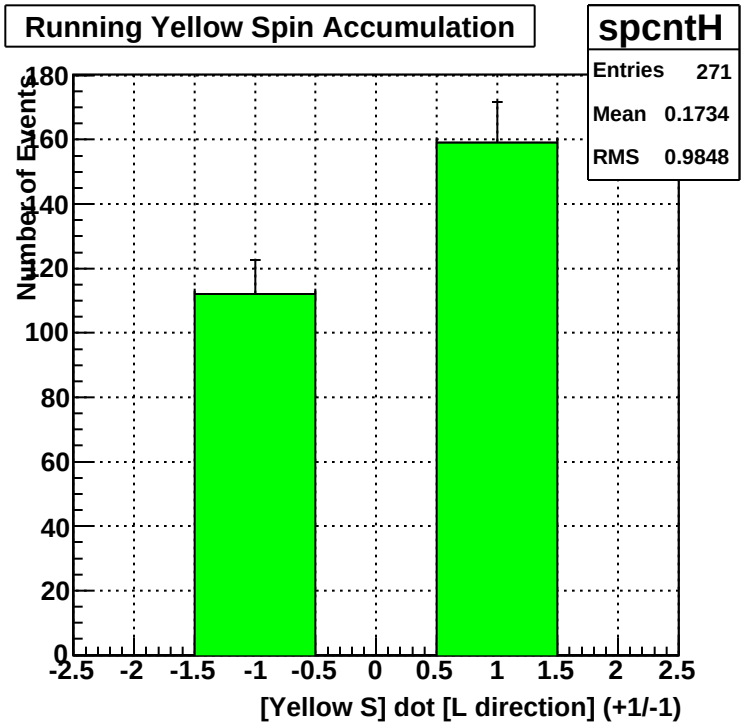
271) Rnum=7126057 EventN=3706337 (1 Yu-N[+])

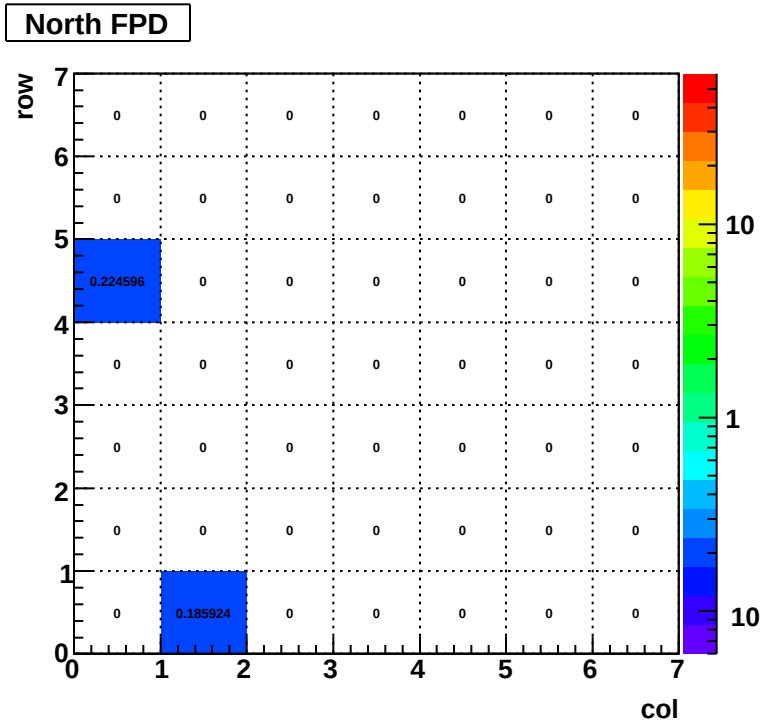
(1) Energy=36.147972 Y=-3.896913 Phi=-0.112683

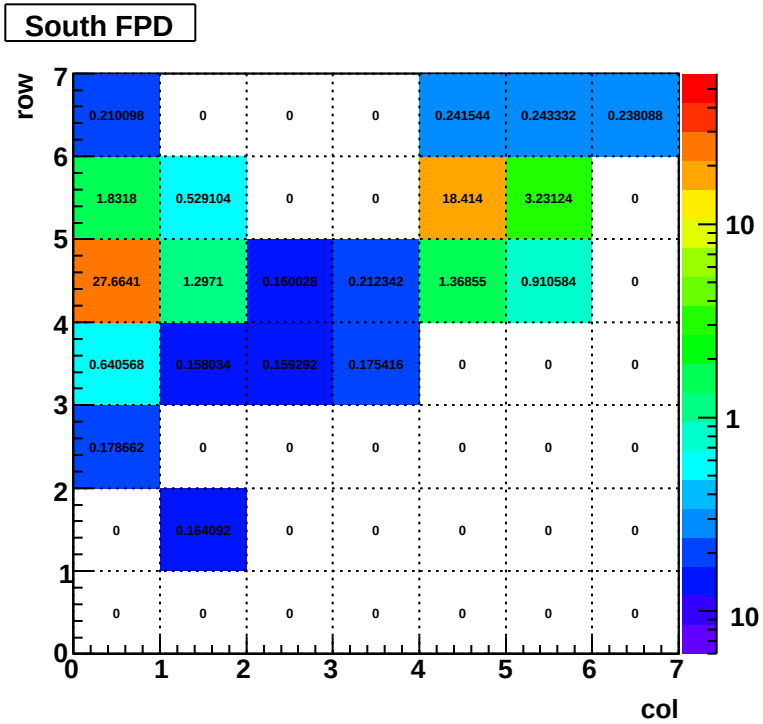
(2) Energy=25.689089 Y=-3.489747 Phi=-0.130236

M12=0.622 Y12=-3.707 Phi12=-0.122 E12=61.837

SumN(-) = 112 SumN(+)= 159 AN/.6=0.289







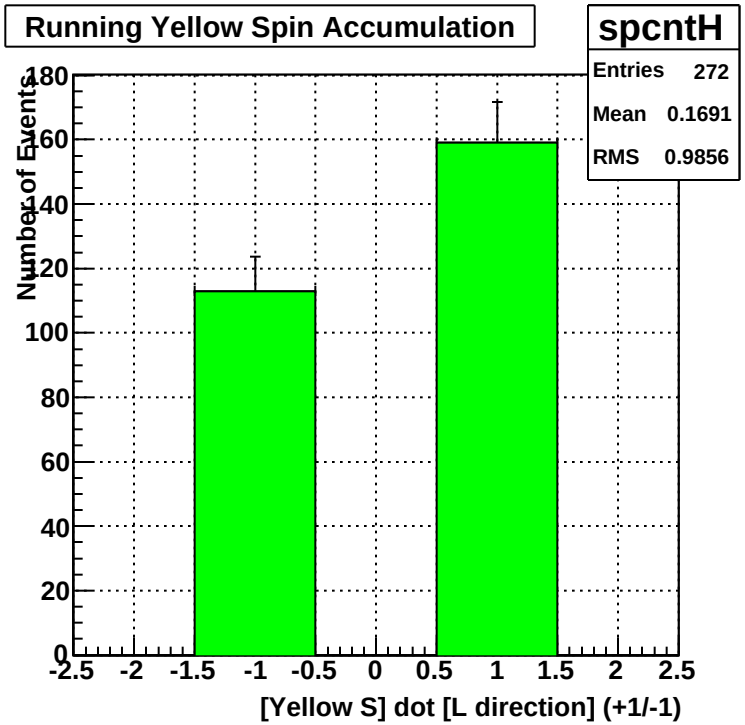
272) Rnum=7126057 EventN=500494 (0 Yd-N[-])

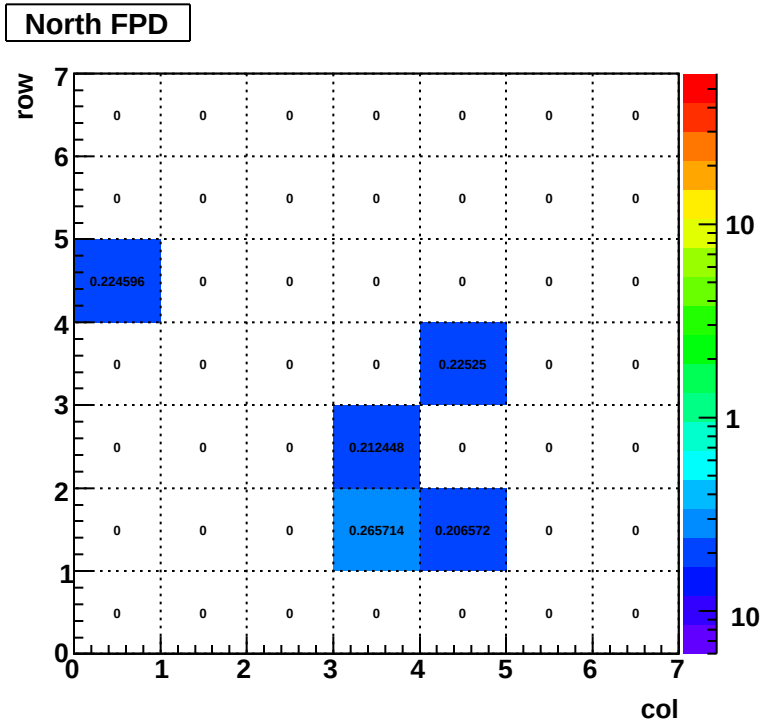
(1) Energy=49.160564 Y=-3.735580 Phi=0.137745

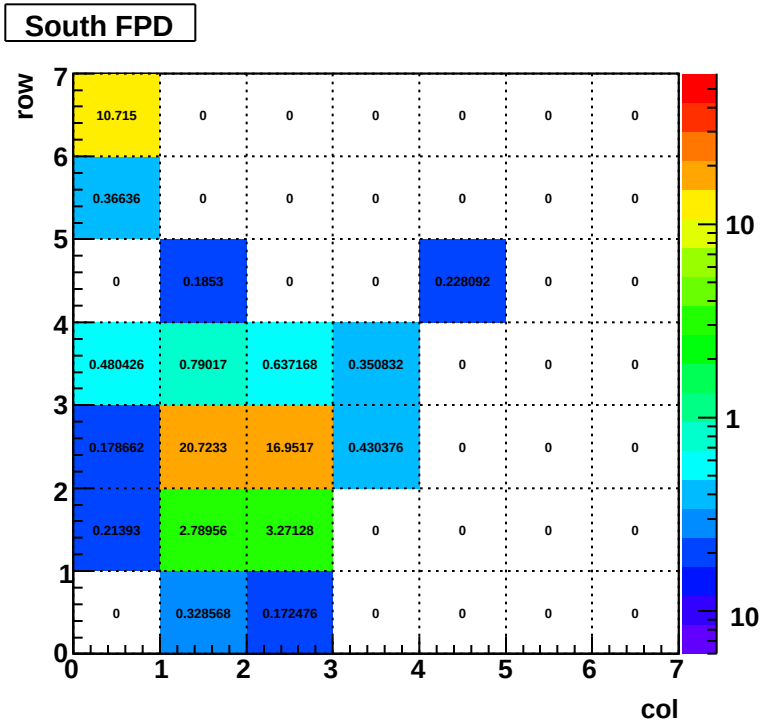
(2) Energy=12.492465 Y=-3.851983 Phi=-0.322553

M12=0.525 Y12=-3.774 Phi12=0.054 E12=61.653

SumN(-) = 113 SumN(+)= 159 AN/.6=0.282







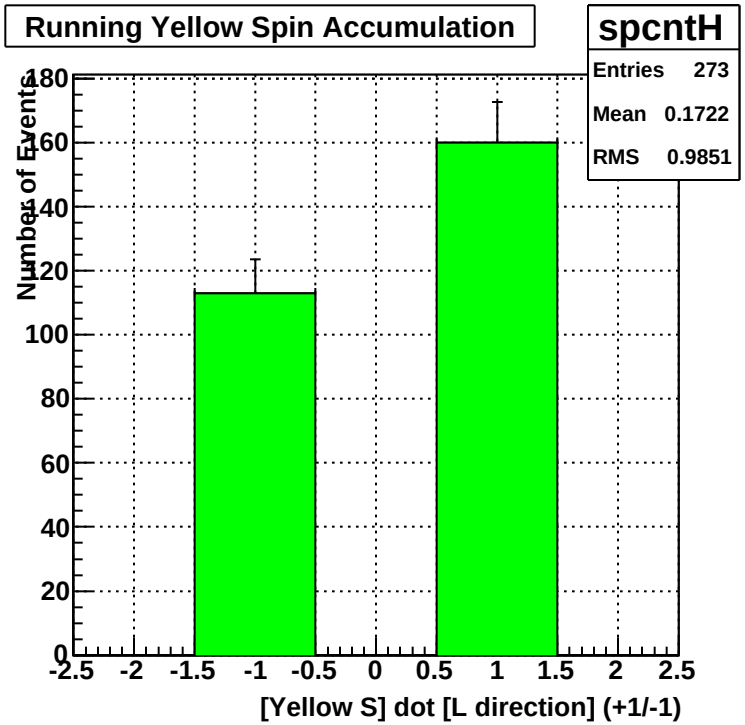
273) Rnum=7126058 EventN=3208850 (3 Yu-N[+])

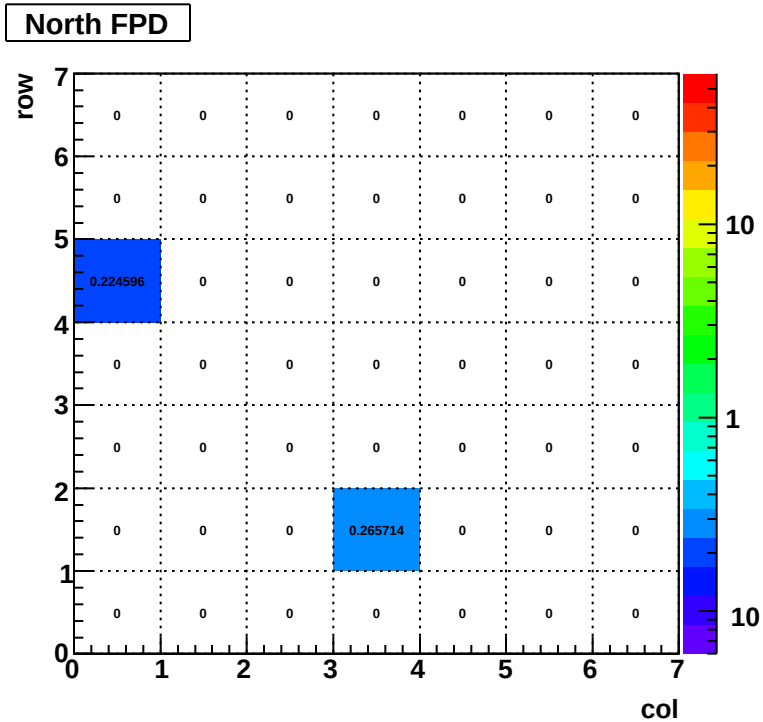
(1) Energy=41.700405 Y=-3.710780 Phi=-0.216011

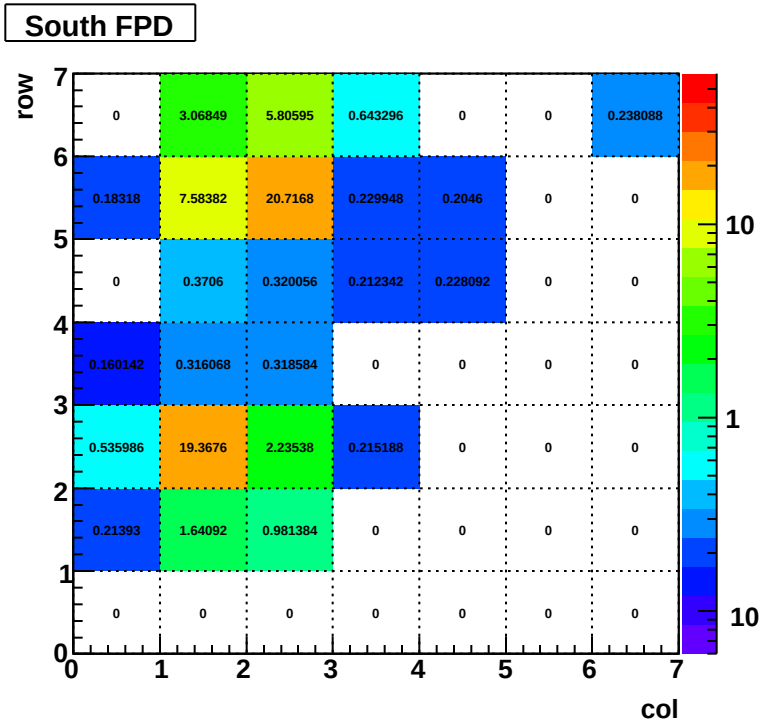
(2) Energy=27.732244 Y=-3.761851 Phi=0.134882

M12=0.572 Y12=-3.746 Phi12=-0.081 E12=69.433

SumN(-) = 113 SumN(+)= 160 AN/.6=0.287







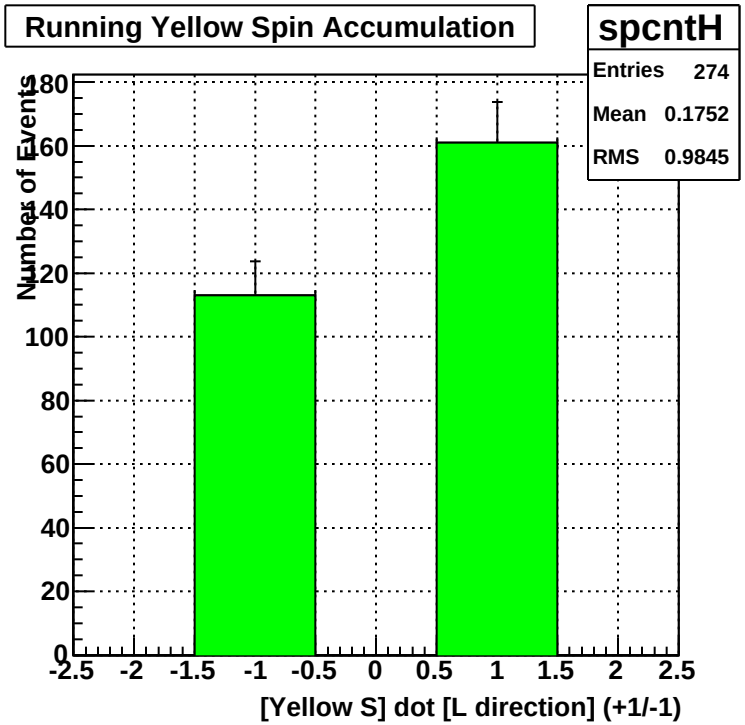
274) Rnum=7126059 EventN=3508500 (3 Yu-N[+])

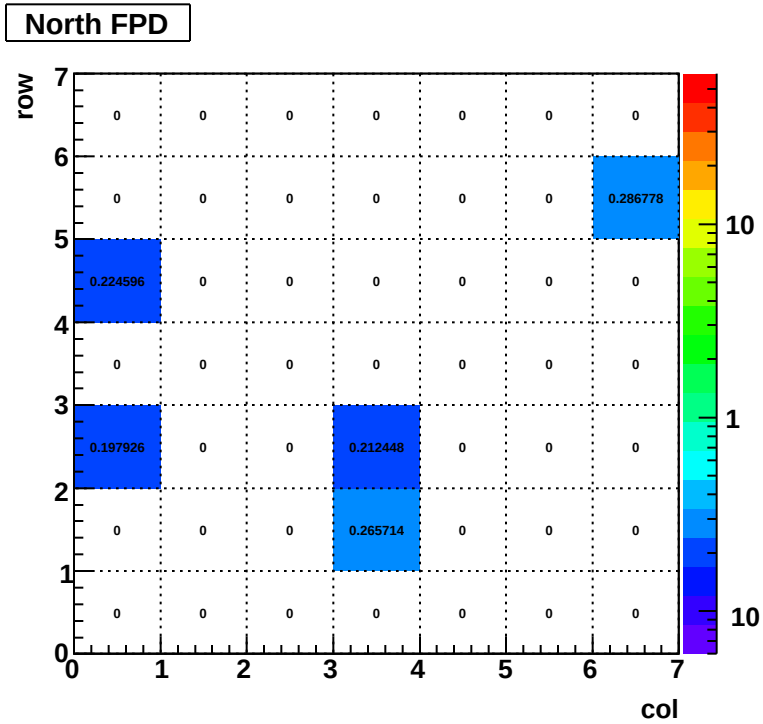
(1) Energy=40.035999 Y=-3.653918 Phi=0.187708

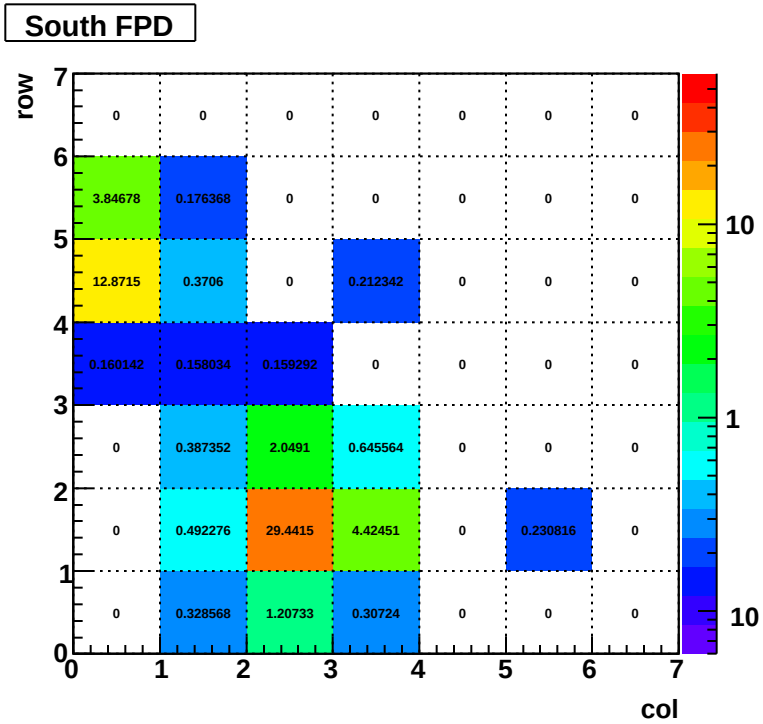
(2) Energy=20.522097 Y=-3.914199 Phi=-0.145700

M12=0.550 Y12=-3.746 Phi12=0.094 E12=60.558

SumN(-) = 113 SumN(+)= 161 AN/.6=0.292







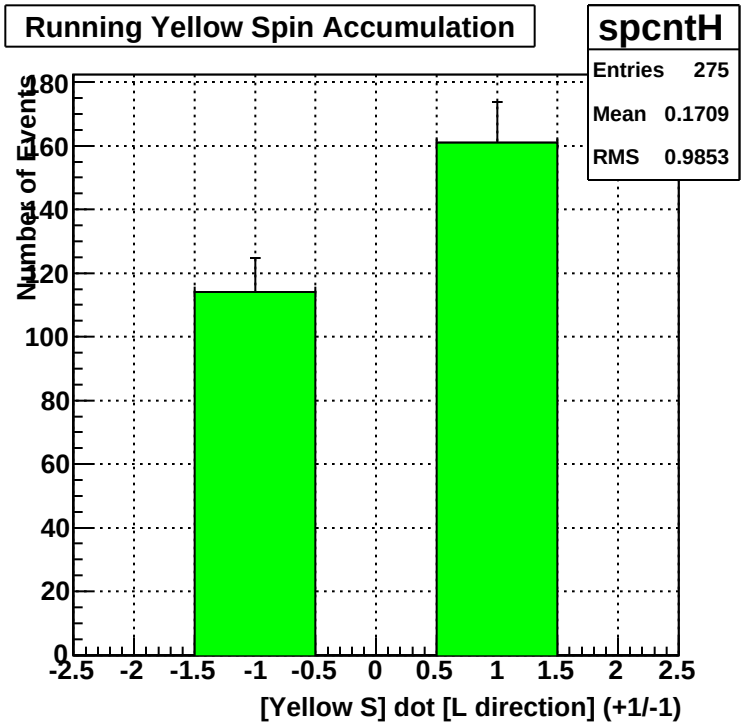
275) Rnum=7126063 EventN=3902354 (2 Yd-N[-])

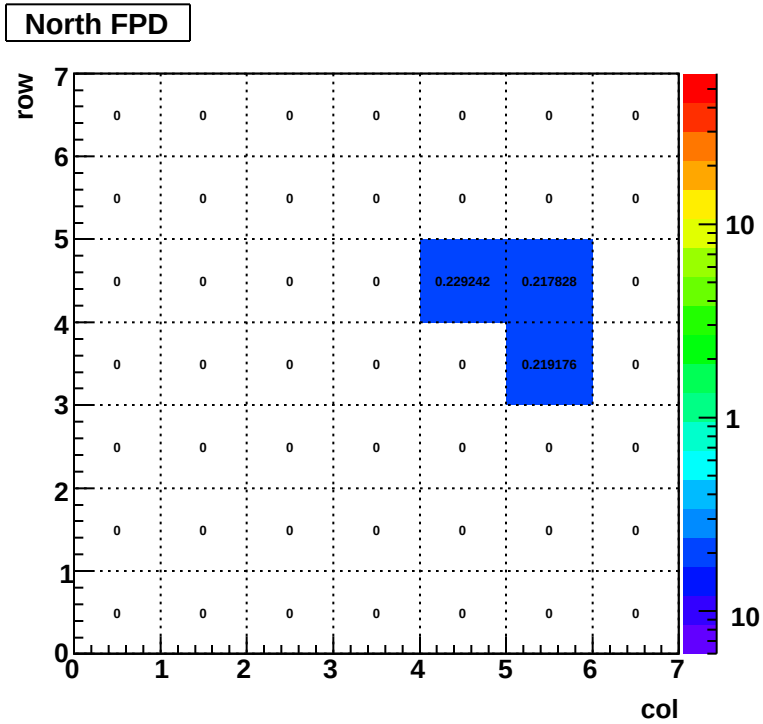
(1) Energy=50.394077 Y=-3.771381 Phi=0.101065

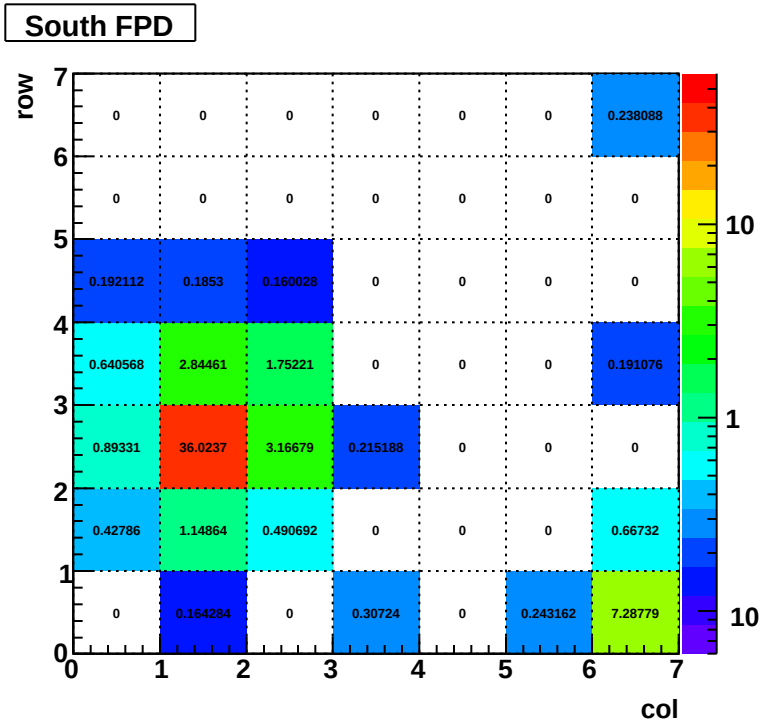
(2) Energy=10.840426 Y=-3.349715 Phi=0.199585

M12=0.579 Y12=-3.684 Phi12=0.125 E12=61.235

SumN(-) = 114 SumN(+)= 161 AN/.6=0.285







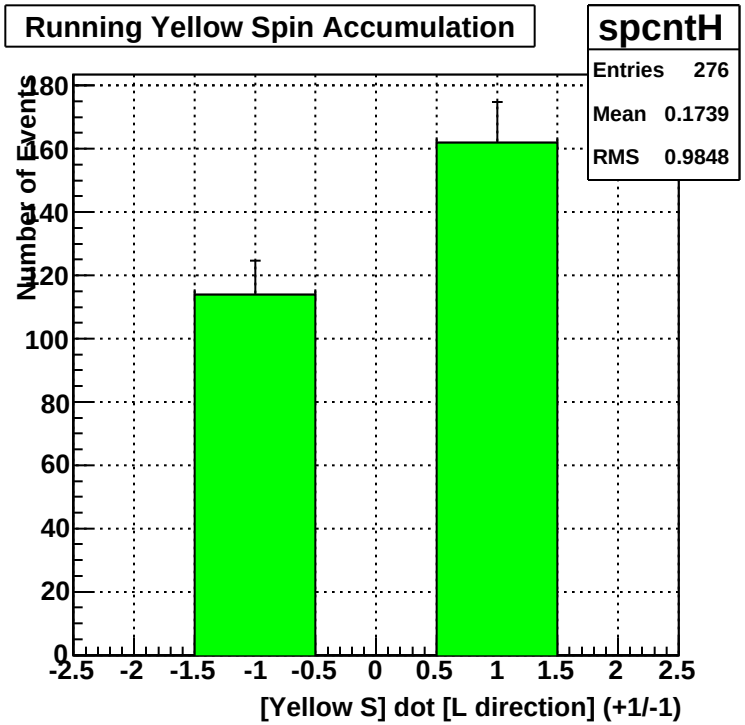
276) Rnum=7126063 EventN=6008184 (3 Yu-N[+])

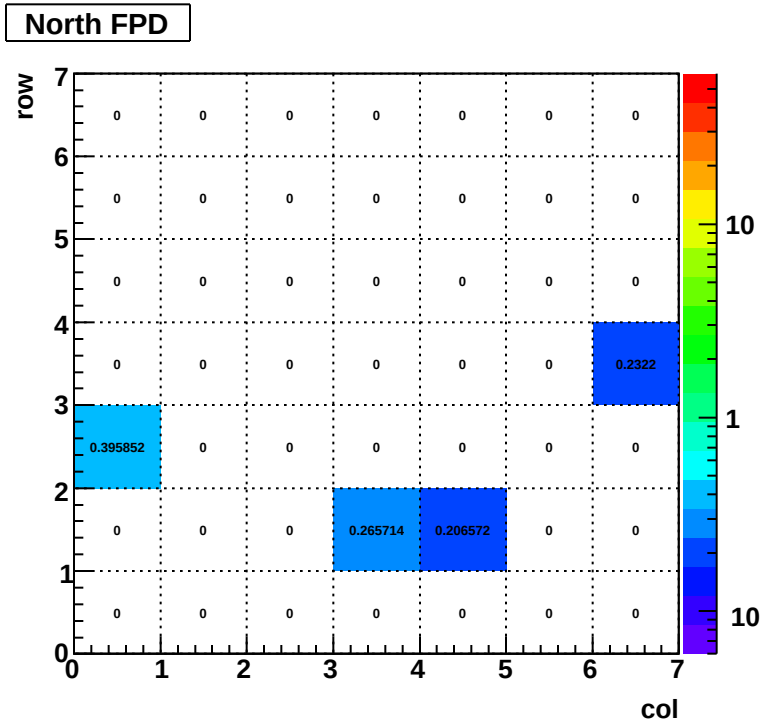
(1) Energy=39.351479 Y=-3.670670 Phi=0.228650

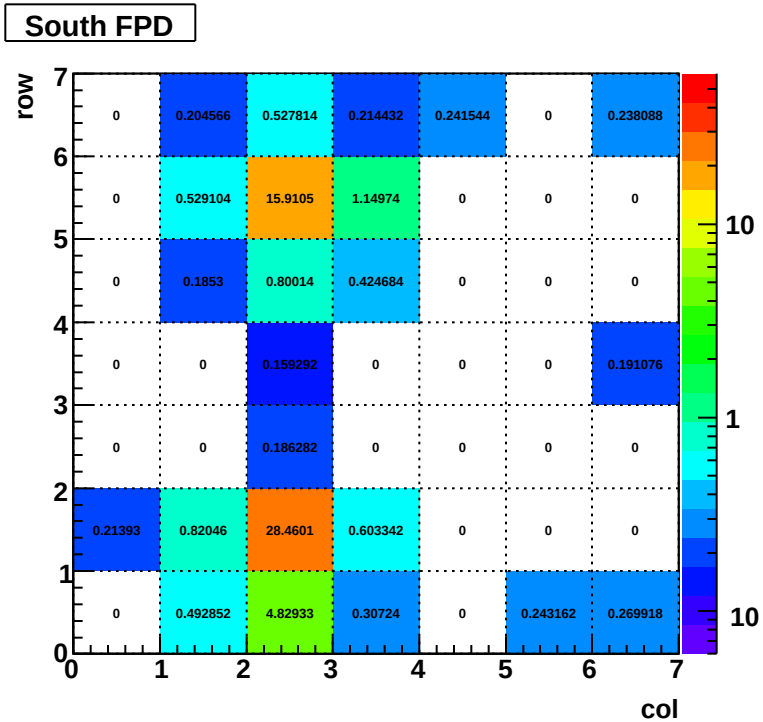
(2) Energy=21.429071 Y=-3.670658 Phi=-0.167137

M12=0.581 Y12=-3.689 Phi12=0.090 E12=60.781

SumN(-) = 114 SumN(+)= 162 AN/.6=0.290







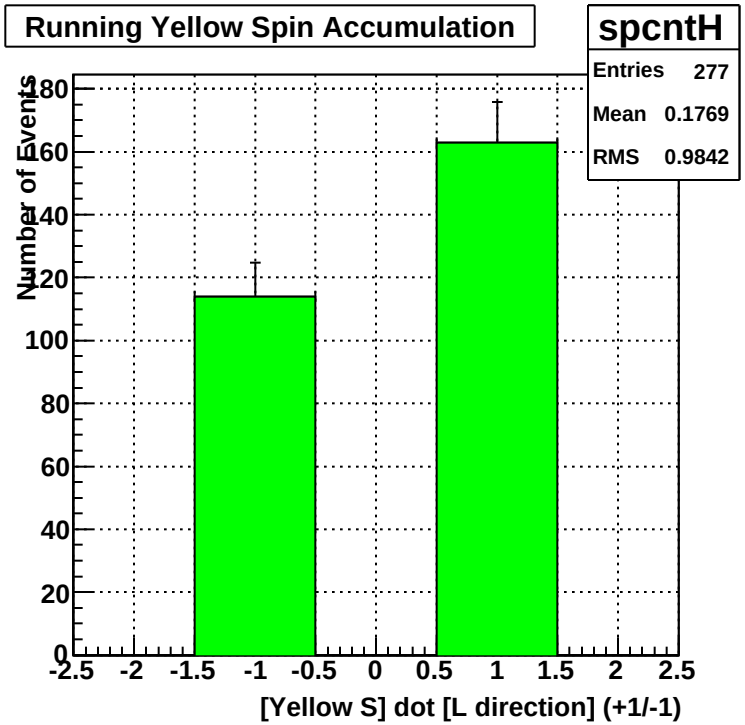
277) Rnum=7126065 EventN=8107703 (2 Yd-S[+])

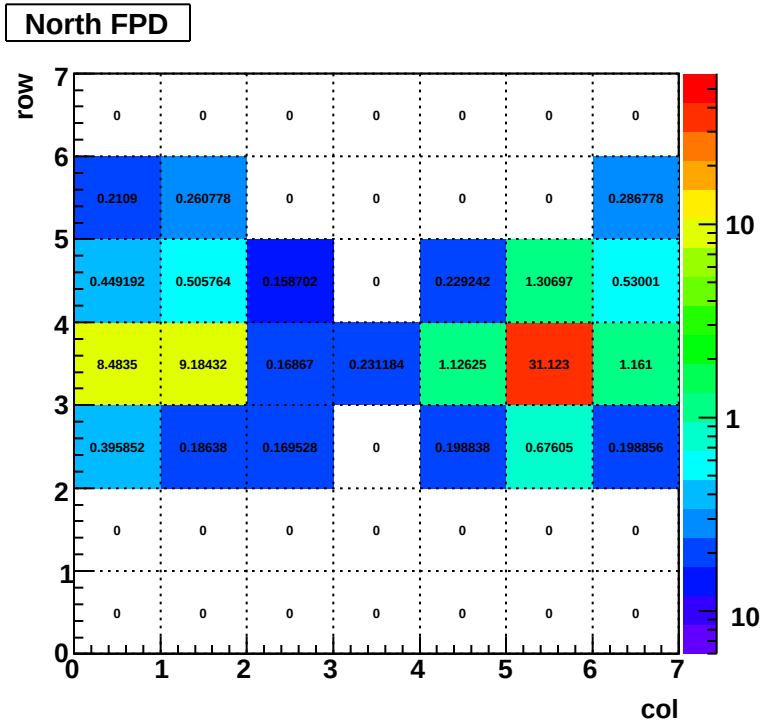
(1) Energy=39.143879 Y=-3.443604 Phi=3.135479

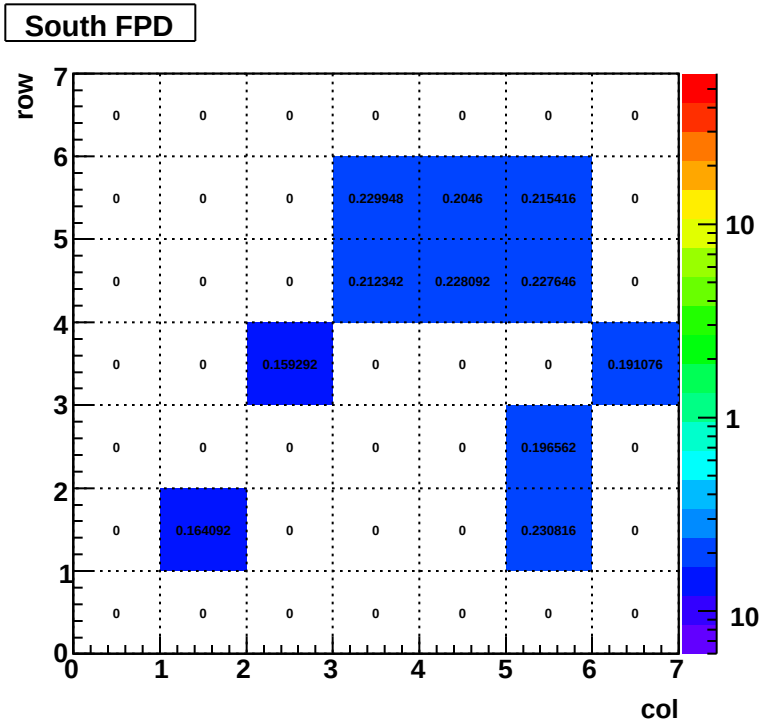
(2) Energy=20.961039 Y=-3.847954 Phi=3.131018

M12=0.608 Y12=-3.567 Phi12=3.134 E12=60.105

SumN(-) = 114 SumN(+)= 163 AN/.6=0.295







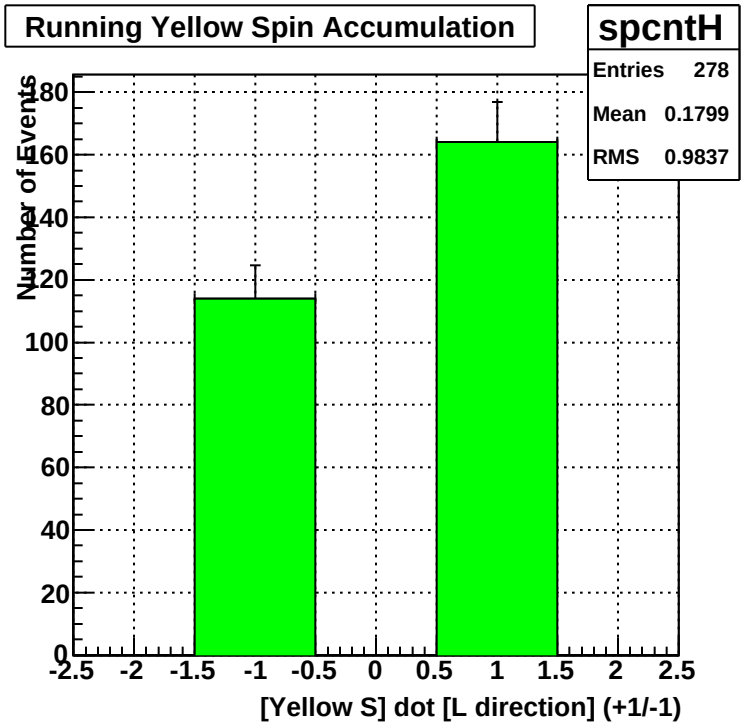
278) Rnum=7126065 EventN=2208713 (3 Yu-N[+])

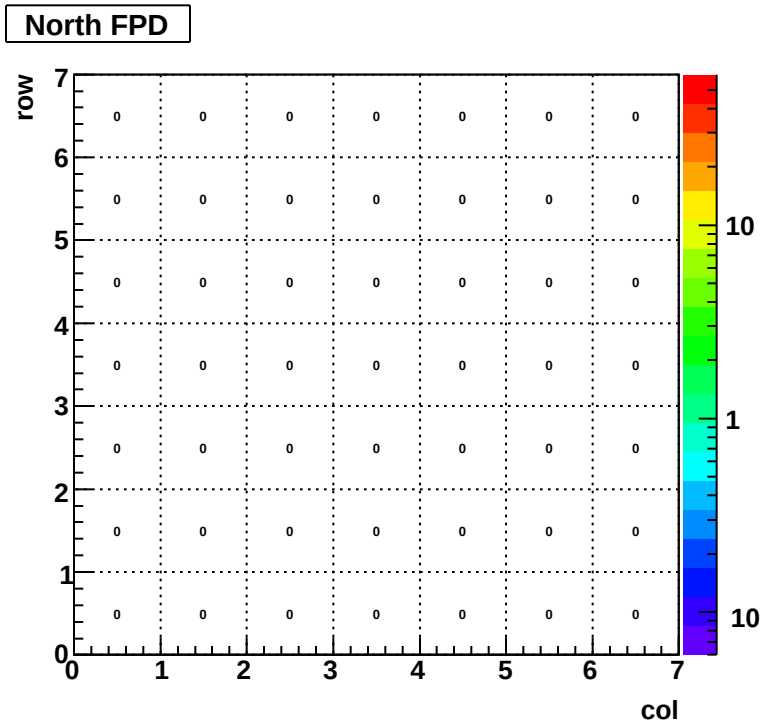
(1) Energy=55.646385 Y=-3.802450 Phi=-0.024400

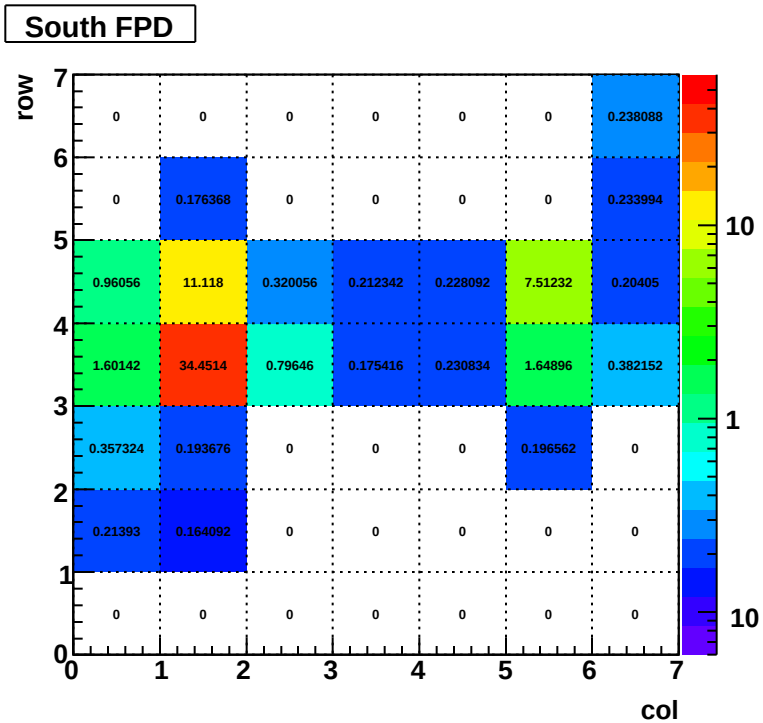
(2) Energy=10.570545 Y=-3.443281 Phi=-0.038021

M12=0.468 Y12=-3.736 Phi12=-0.027 E12=66.217

SumN(-) = 114 SumN(+)= 164 AN/.6=0.300







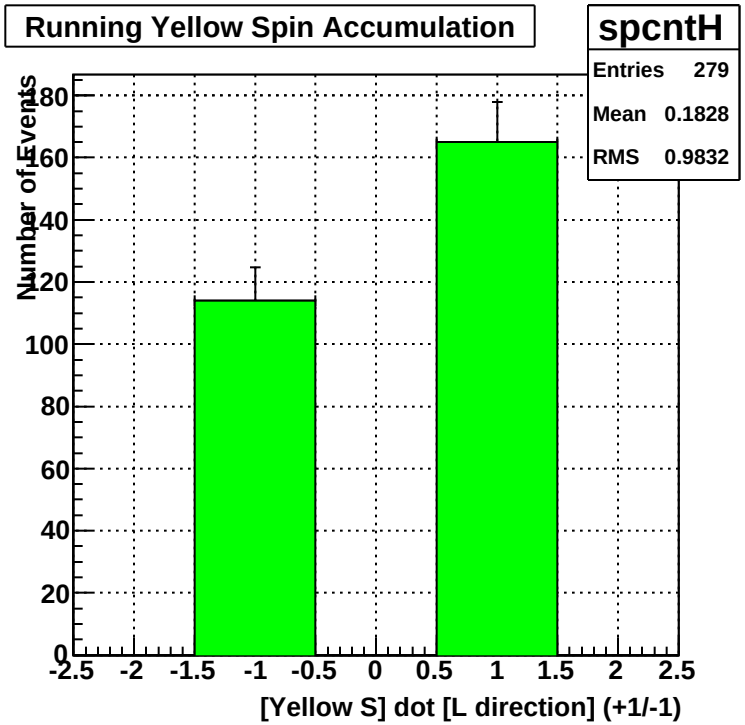
279) Rnum=7126065 EventN=2503959 (1 Yu-N[+])

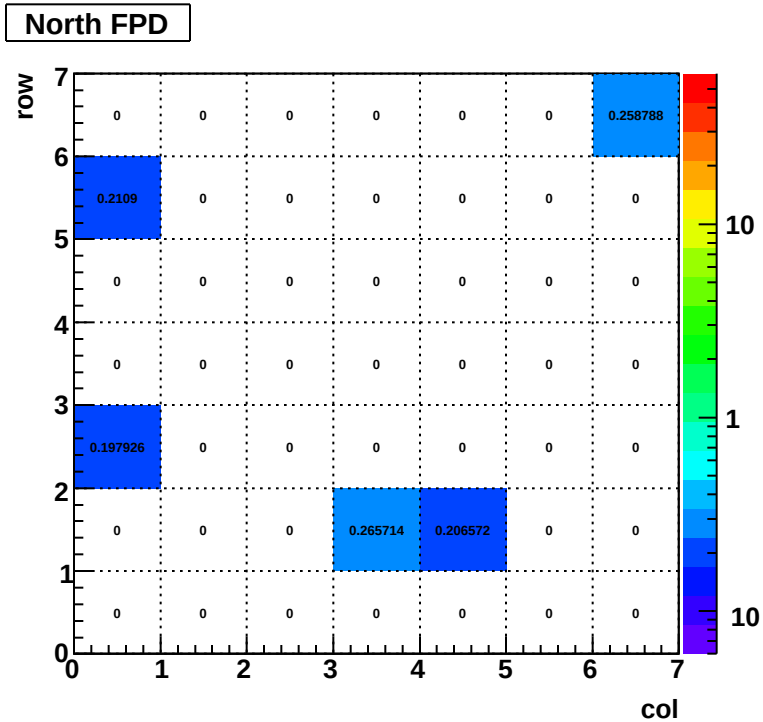
(1) Energy=39.159531 Y=-3.732491 Phi=-0.033159

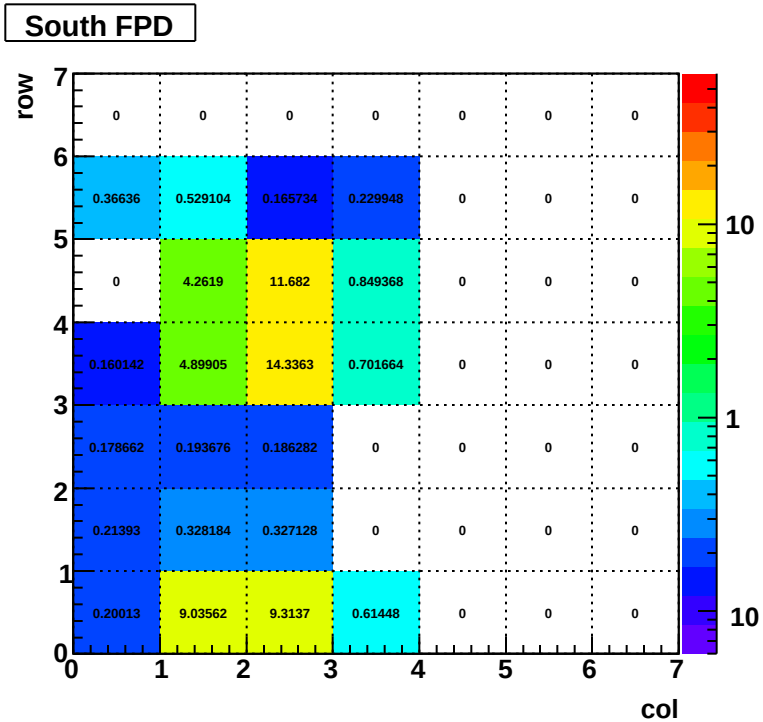
(2) Energy=23.845644 Y=-3.691167 Phi=0.320545

M12=0.528 Y12=-3.732 Phi12=0.104 E12=63.005

SumN(-) = 114 SumN(+)= 165 AN/.6=0.305







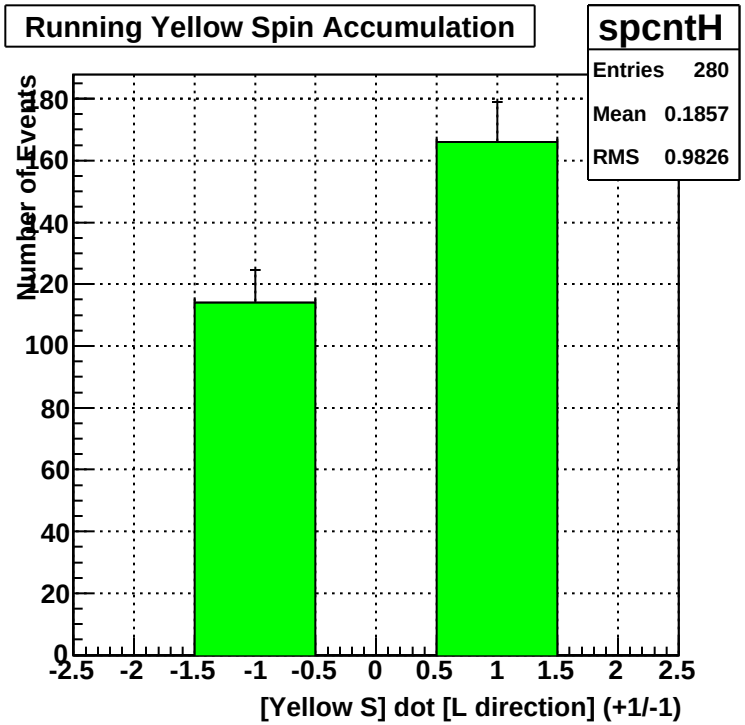
280) Rnum=7127010 EventN=203346 (2 Yd-S[+])

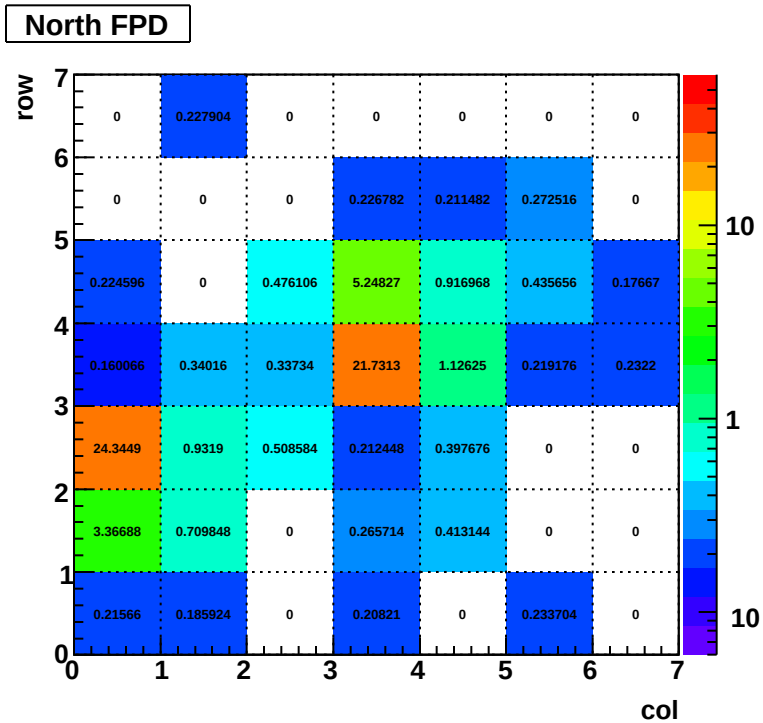
(1) Energy=33.393024 Y=-3.891734 Phi=2.977672

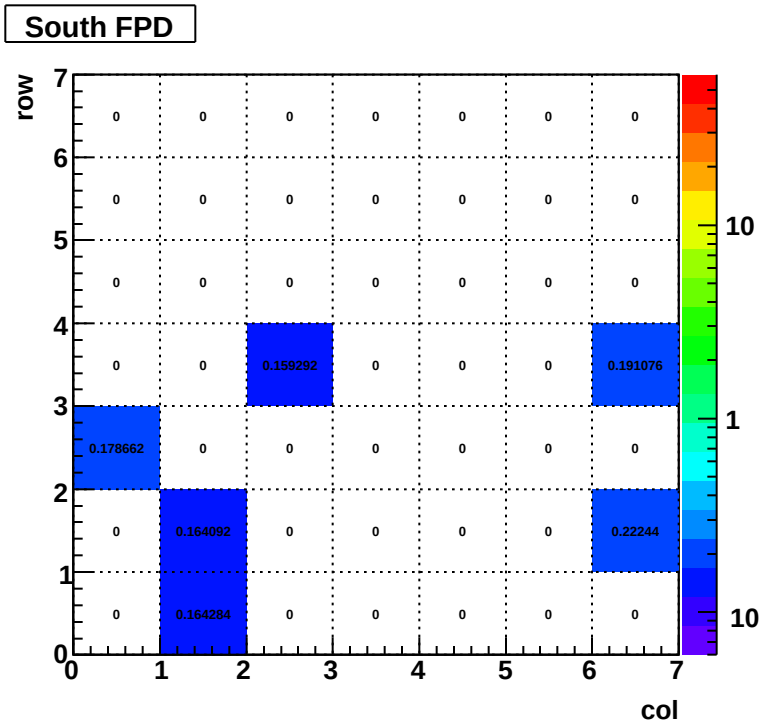
(2) Energy=31.509111 Y=-3.595482 Phi=-3.124176

M12=0.534 Y12=-3.741 Phi12=3.079 E12=64.902

SumN(-) = 114 SumN(+)= 166 AN/.6=0.310







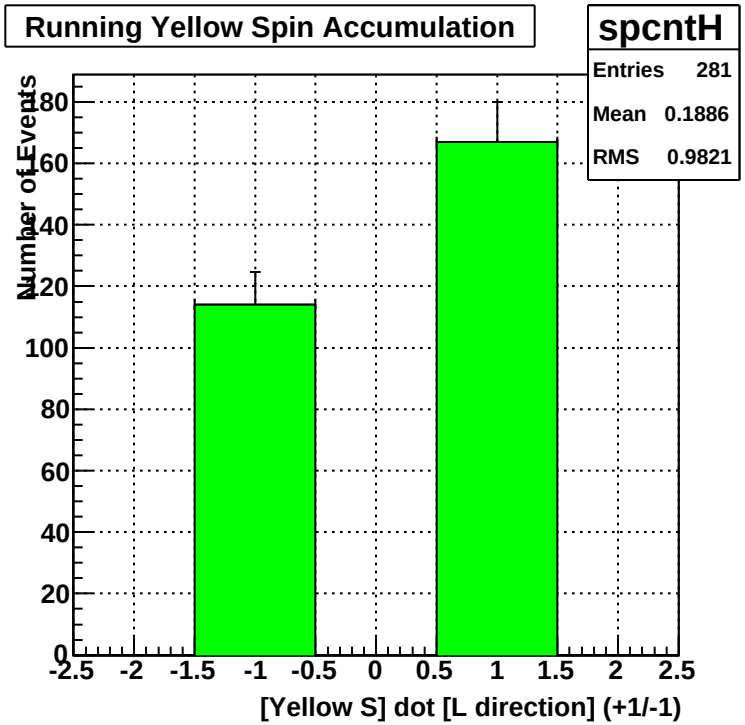
281) Rnum=7127010 EventN=607288 (2 Yd-S[+])

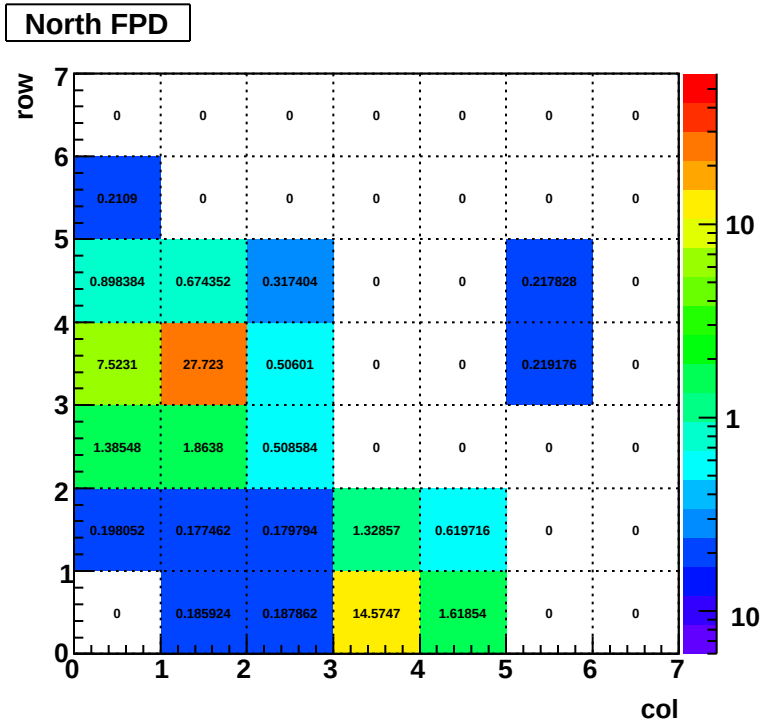
(1) Energy=42.353386 Y=-3.834161 Phi=3.111183

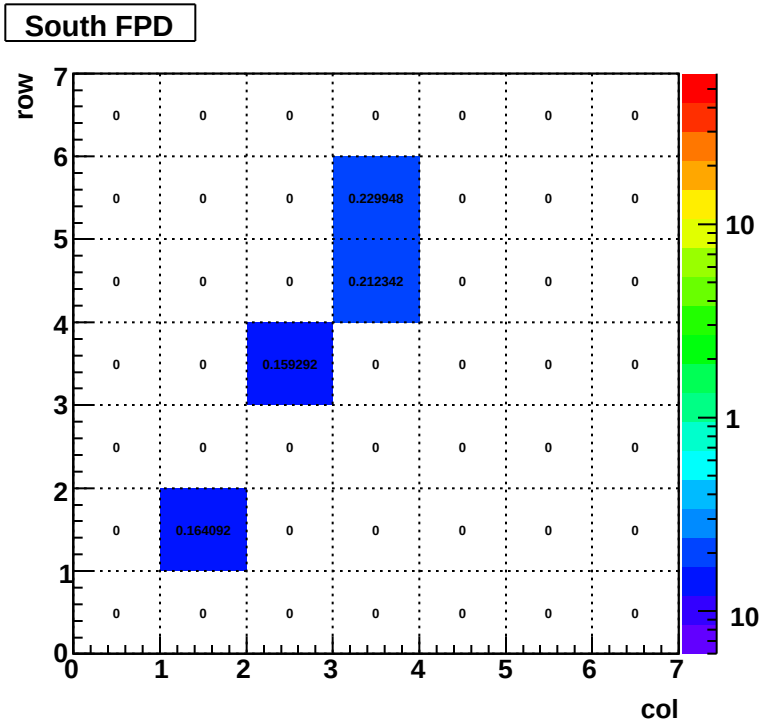
(2) Energy=19.694571 Y=-3.553886 Phi=2.893558

M12=0.510 Y12=-3.742 Phi12=3.028 E12=62.048

SumN(-) = 114 SumN(+)= 167 AN/.6=0.314







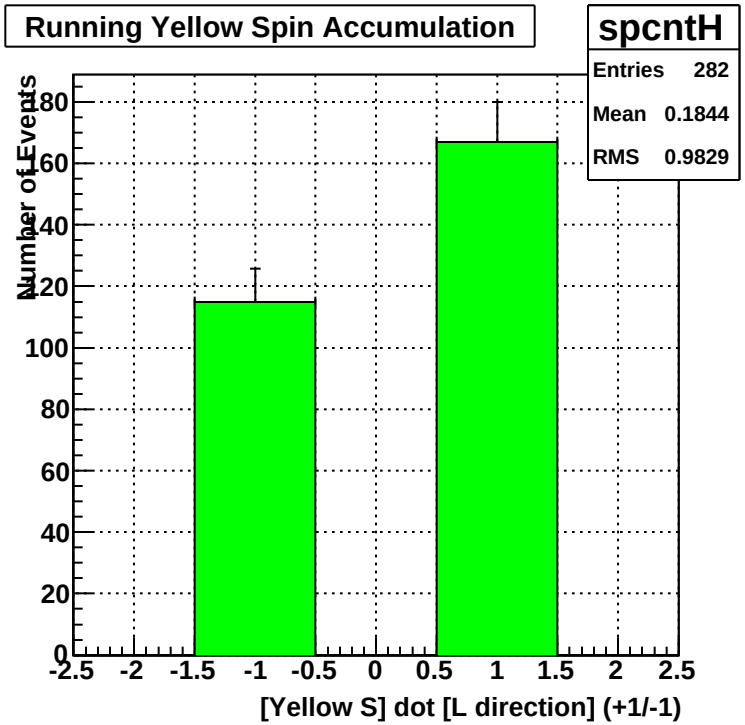
282) Rnum=7127010 EventN=701910 (0 Yd-N[-])

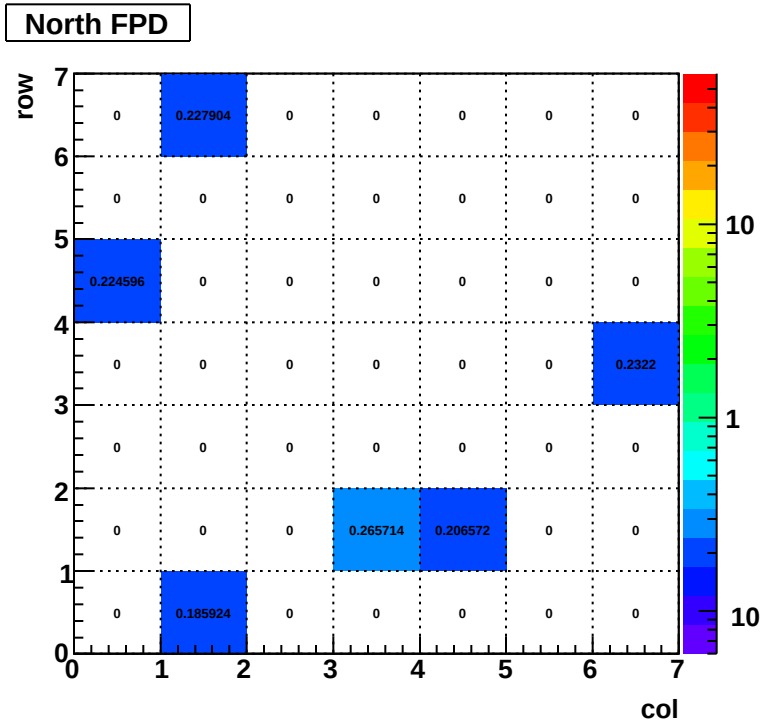
(1) Energy=53.938957 Y=-3.790328 Phi=0.054272

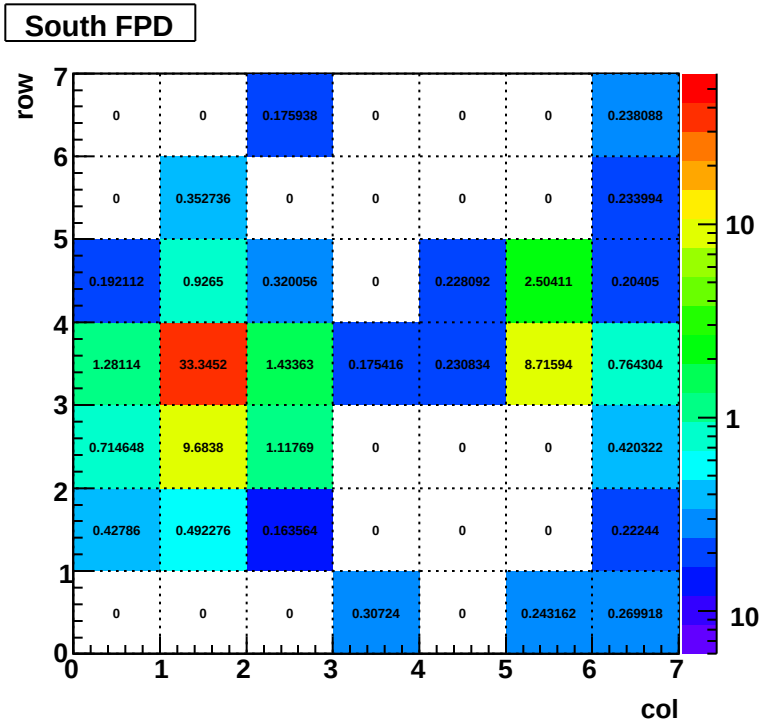
(2) Energy=12.846010 Y=-3.438834 Phi=-0.016615

M12=0.511 Y12=-3.713 Phi12=0.036 E12=66.785

SumN(-) = 115 SumN(+)= 167 AN/.6=0.307







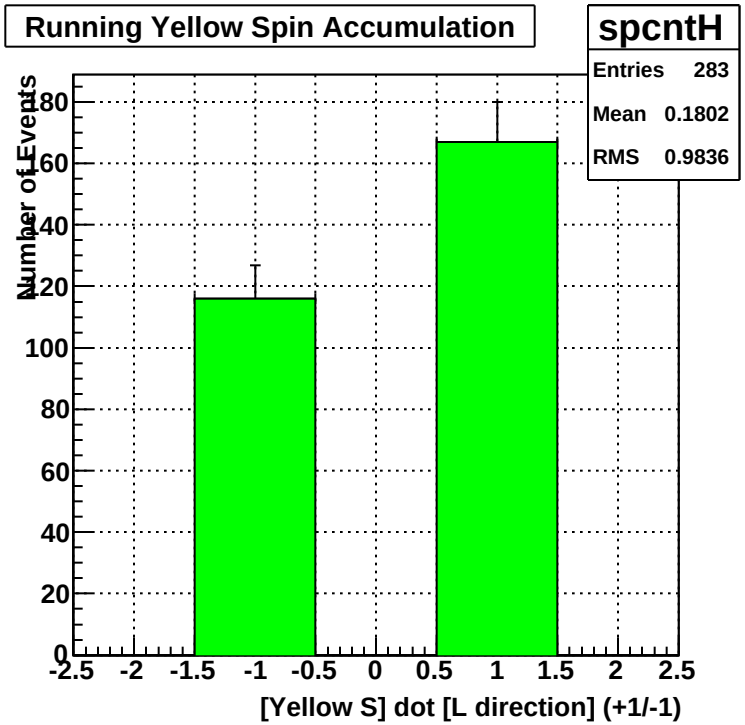
283) Rnum=7127024 EventN=909066 (0 Yd-N[-])

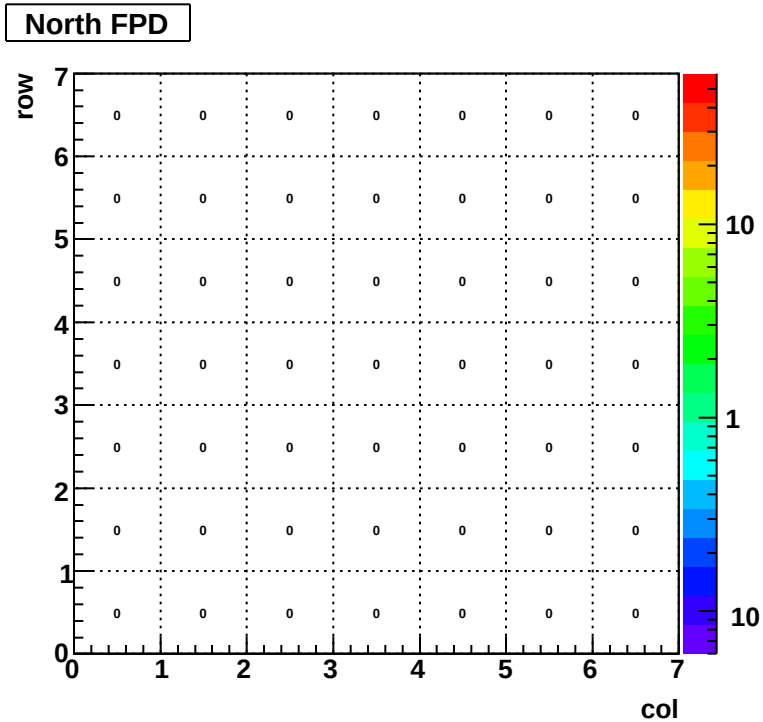
(1) Energy=35.646893 Y=-3.919014 Phi=-0.137984

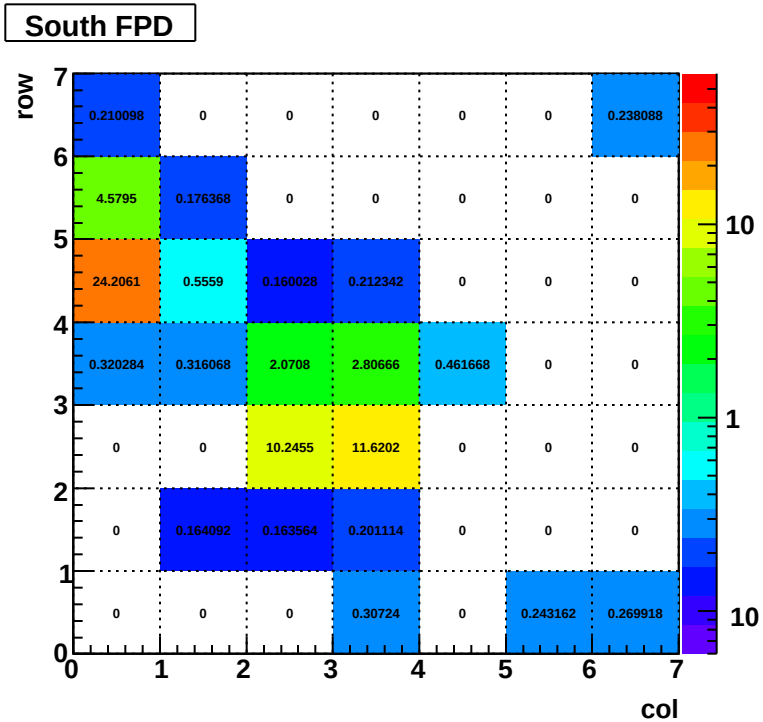
(2) Energy=28.118174 Y=-3.645895 Phi=0.074398

M12=0.499 Y12=-3.795 Phi12=-0.030 E12=63.765

SumN(-) = 116 SumN(+)= 167 AN/.6=0.300







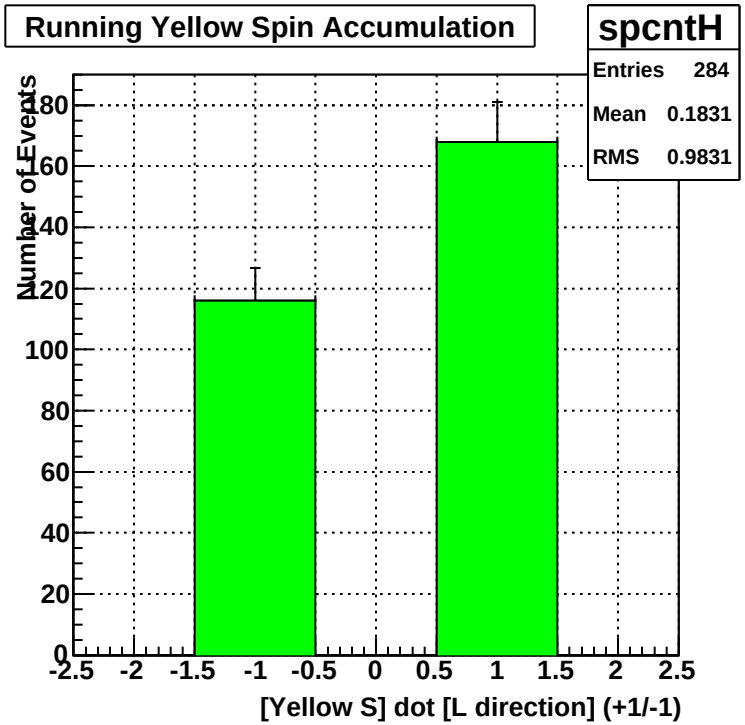
284) Rnum=7127033 EventN=4003234 (3 Yu-N[+])

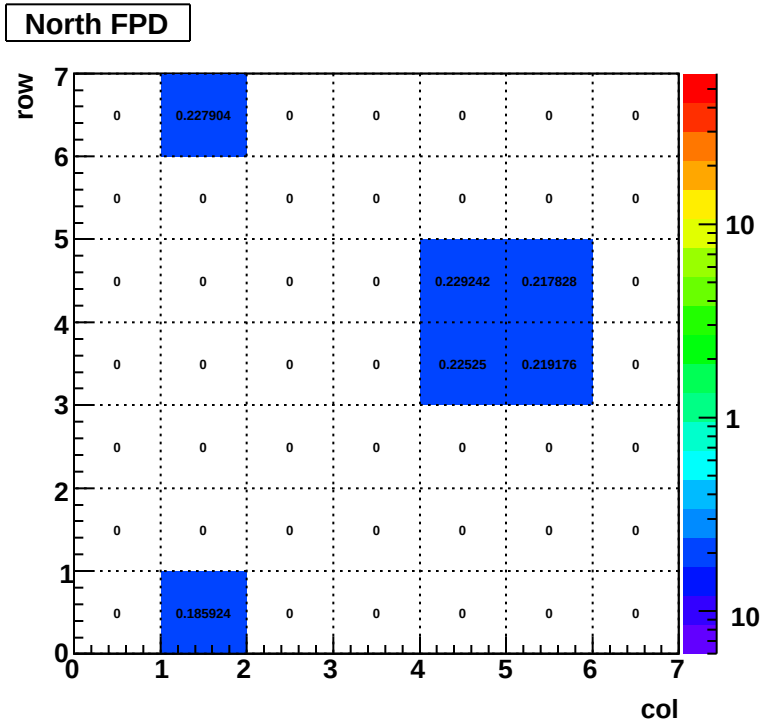
(1) Energy=50.964836 Y=-3.832506 Phi=0.088746

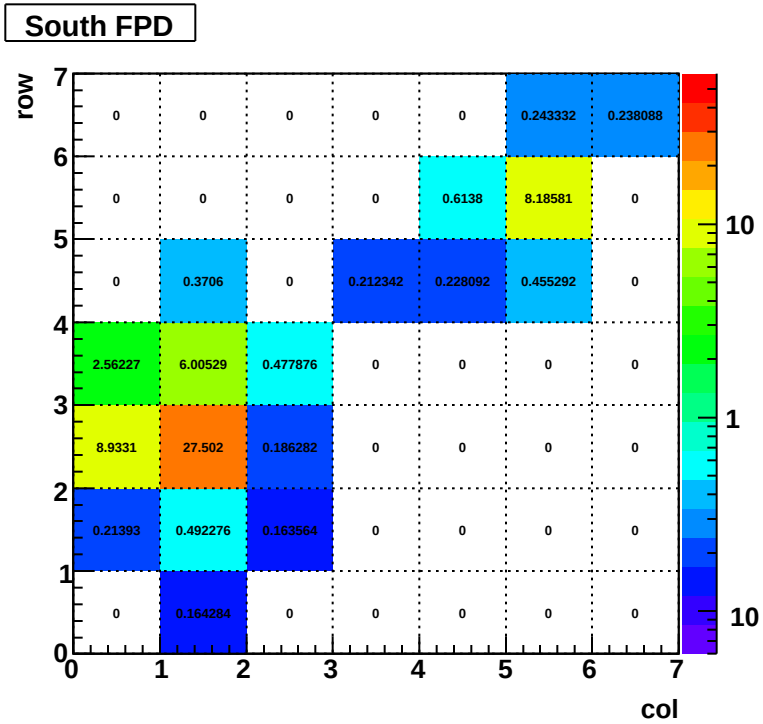
(2) Energy=10.242951 Y=-3.446931 Phi=-0.131299

M12=0.535 Y12=-3.761 Phi12=0.039 E12=61.208

SumN(-) = 116 SumN(+)= 168 AN/.6=0.305







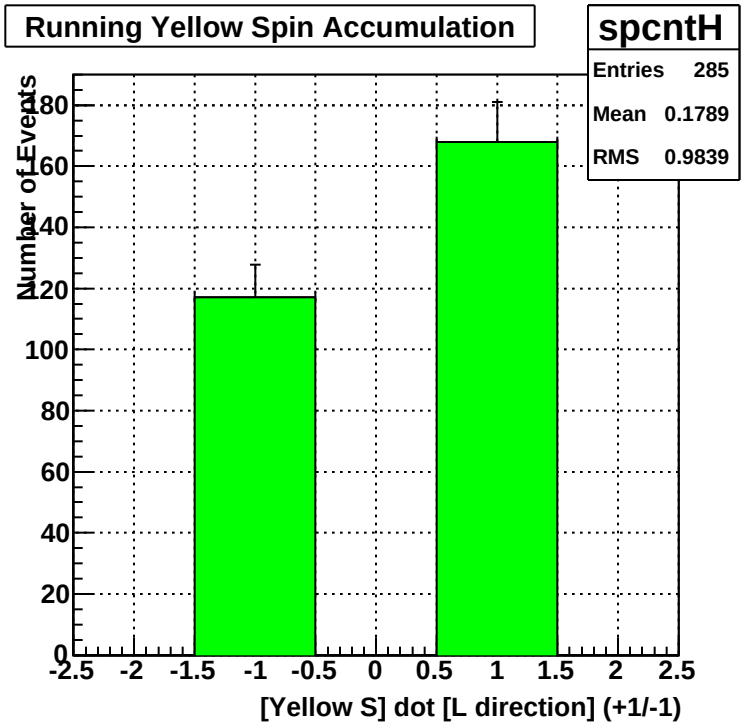
285) Rnum=7127033 EventN=7701272 (0 Yd-N[-])

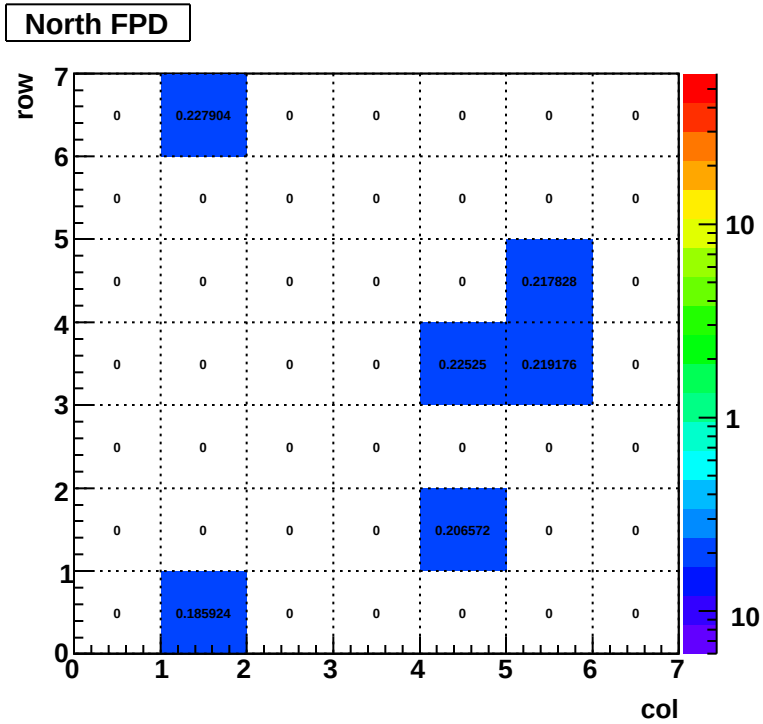
(1) Energy=45.769650 Y=-3.511645 Phi=-0.172432

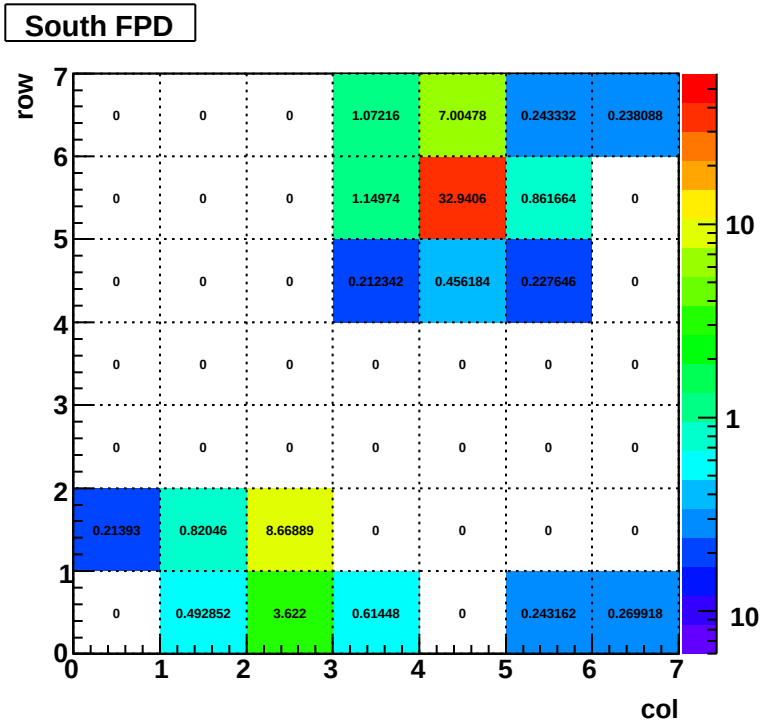
(2) Energy=15.172258 Y=-3.681332 Phi=0.243224

M12=0.644 Y12=-3.566 Phi12=-0.083 E12=60.942

SumN(-) = 117 SumN(+)= 168 AN/.6=0.298







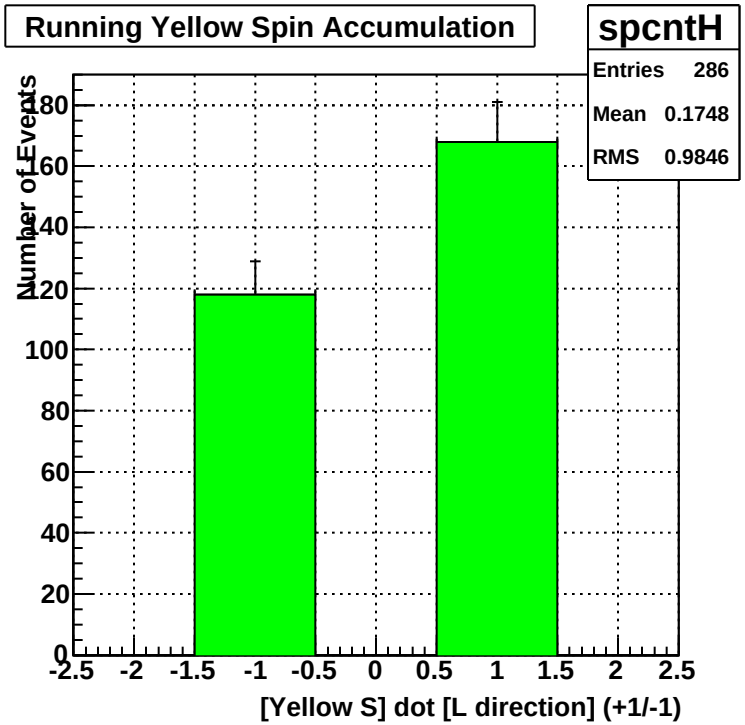
286) Rnum=7127033 EventN=1205029 (3 Yu-S[-])

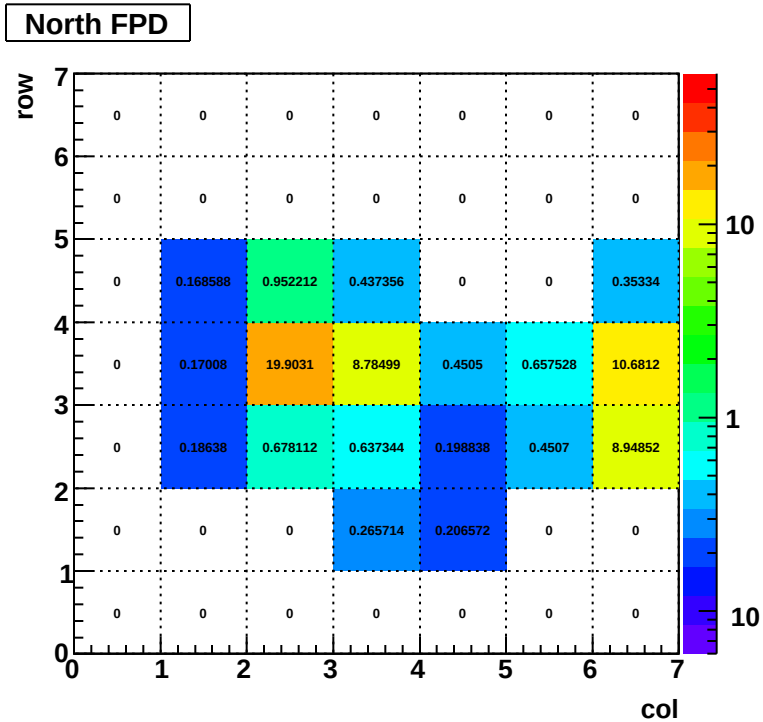
(1) Energy=33.892620 Y=-3.655761 Phi=3.128634

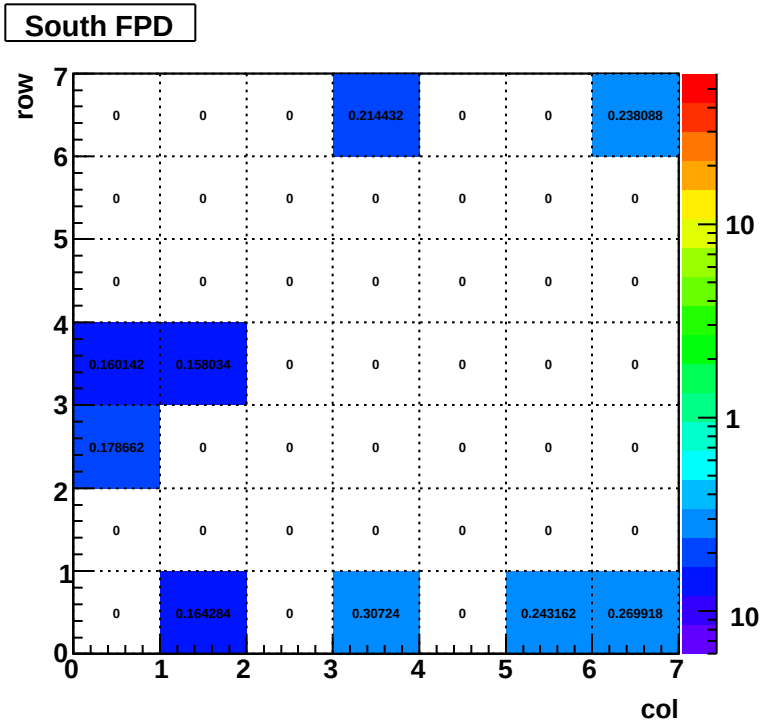
(2) Energy=26.677013 Y=-3.363570 Phi=3.097860

M12=0.530 Y12=-3.517 Phi12=3.113 E12=60.570

SumN(-) = 118 SumN(+)= 168 AN/.6=0.291







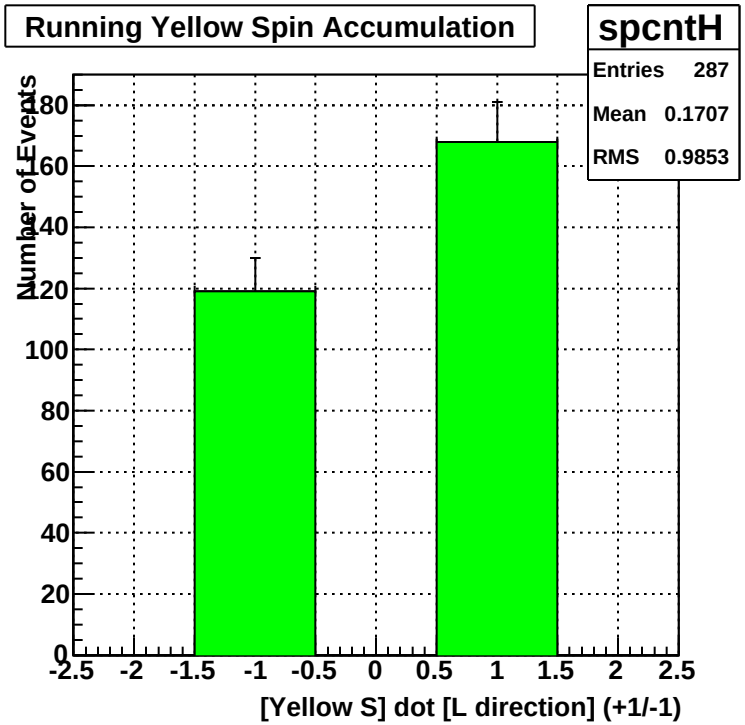
287) Rnum=7127033 EventN=1209546 (2 Yd-N[-])

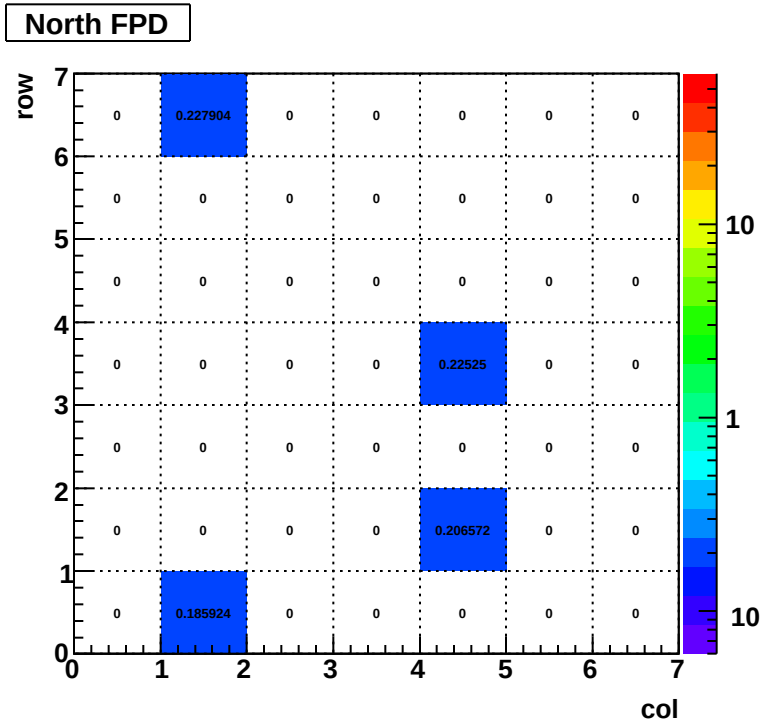
(1) Energy=35.079601 Y=-3.771163 Phi=-0.169900

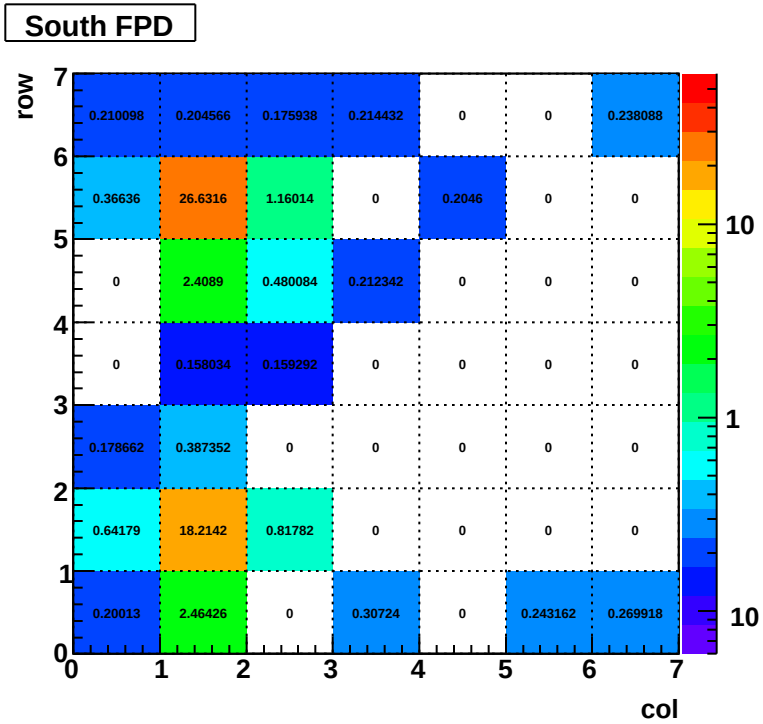
(2) Energy=25.287294 Y=-3.759761 Phi=0.245293

M12=0.568 Y12=-3.788 Phi12=0.005 E12=60.367

SumN(-) = 119 SumN(+)= 168 AN/.6=0.285







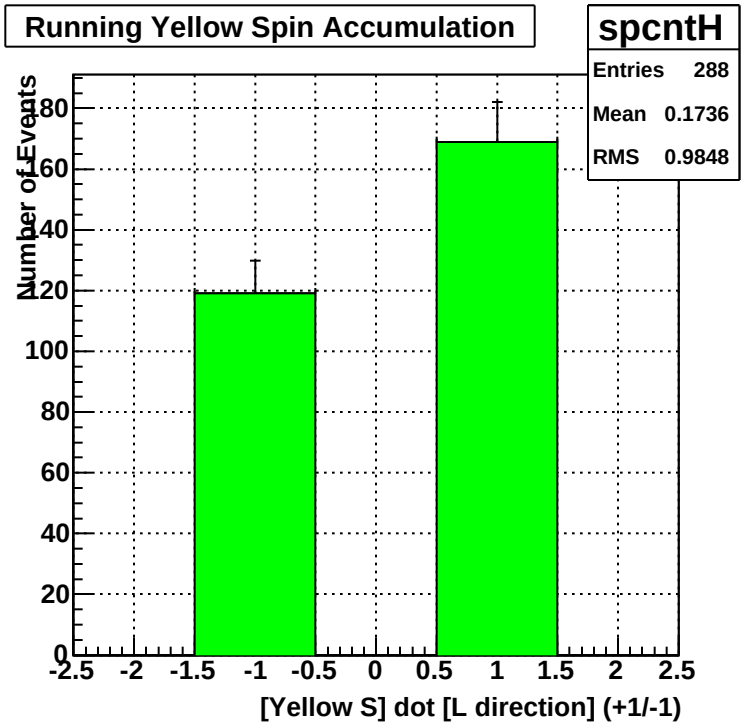
288) Rnum=7127037 EventN=602344 (0 Yd-S[+])

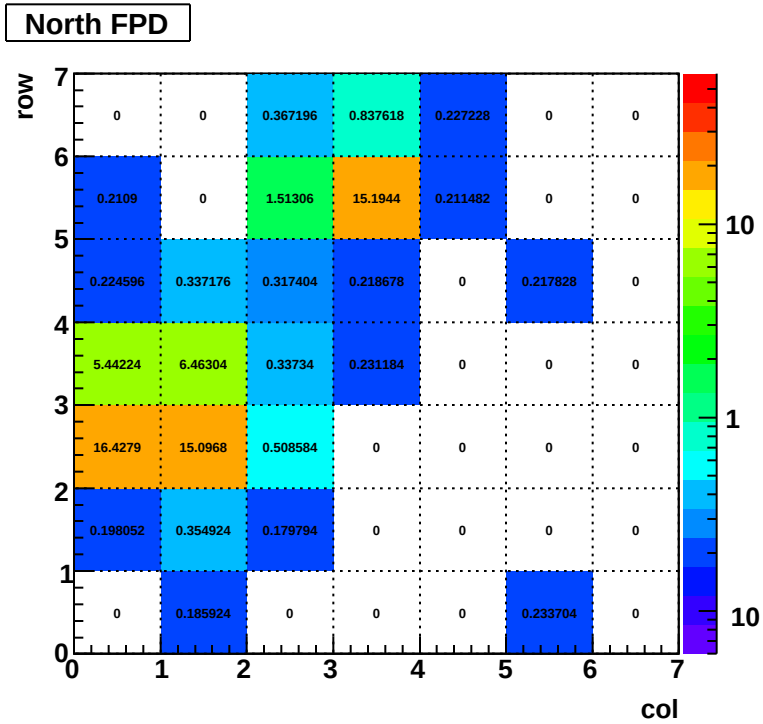
(1) Energy=47.248177 Y=-3.845327 Phi=3.059381

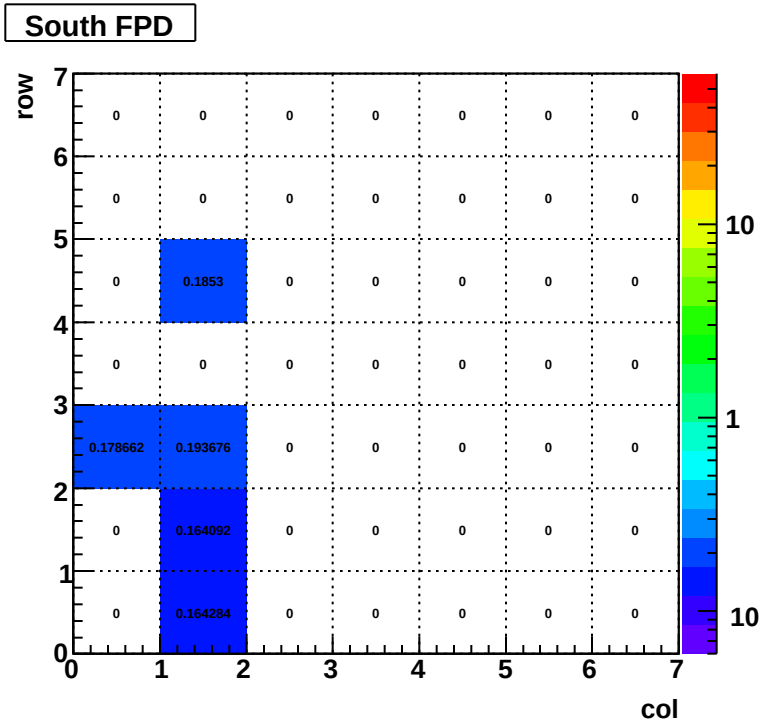
(2) Energy=19.817516 Y=-3.608174 Phi=-2.971343

M12=0.509 Y12=-3.776 Phi12=-3.136 E12=67.066

SumN(-) = 119 SumN(+)= 169 AN/.6=0.289







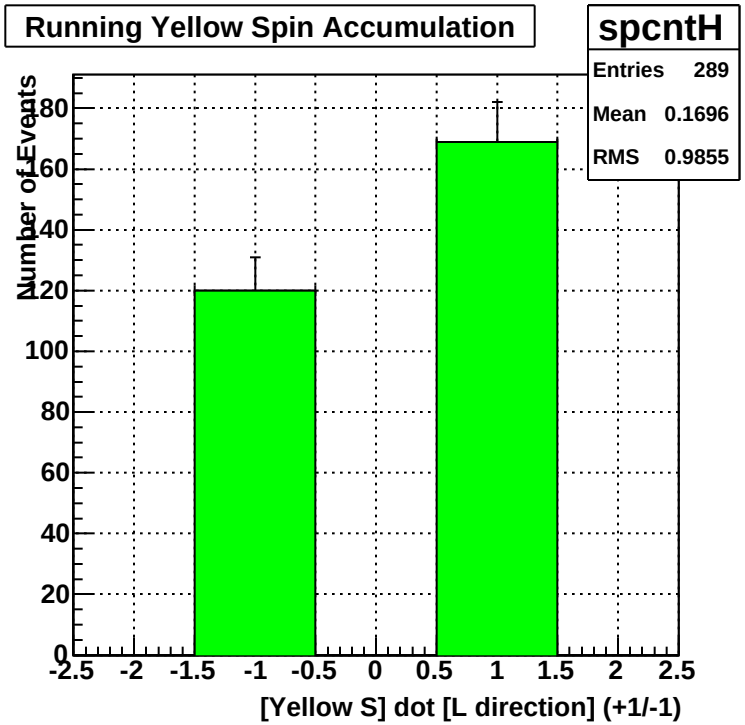
289) Rnum=7127037 EventN=1305879 (0 Yd-N[-])

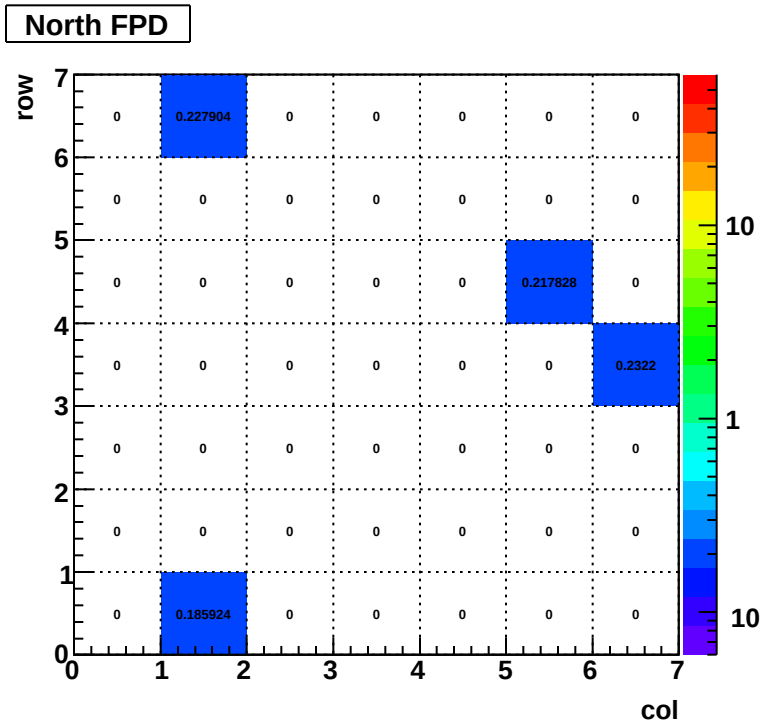
(1) Energy=48.562145 Y=-3.640262 Phi=0.151111

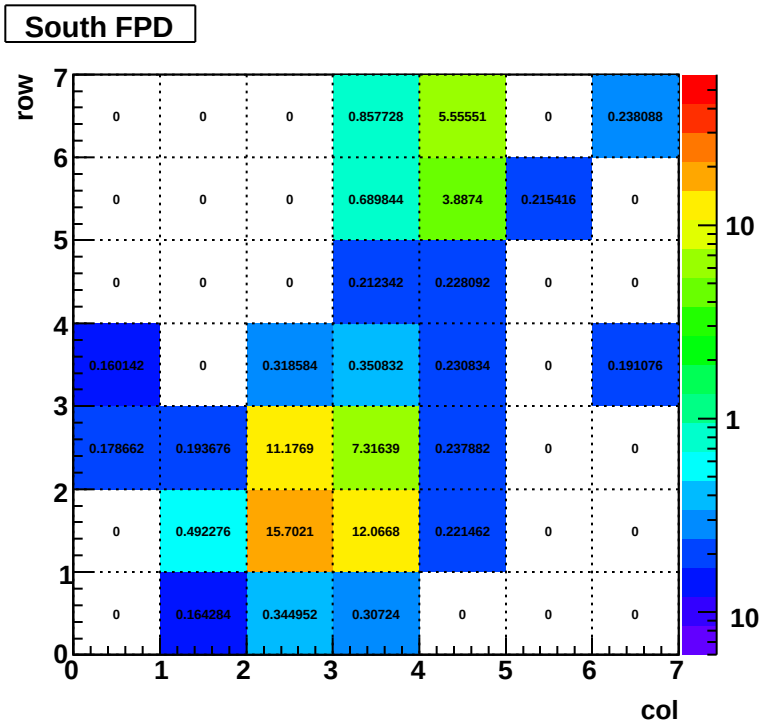
(2) Energy=11.722933 Y=-3.524262 Phi=-0.190925

M12=0.477 Y12=-3.626 Phi12=0.079 E12=60.285

SumN(-) = 120 SumN(+)= 169 AN/.6=0.283







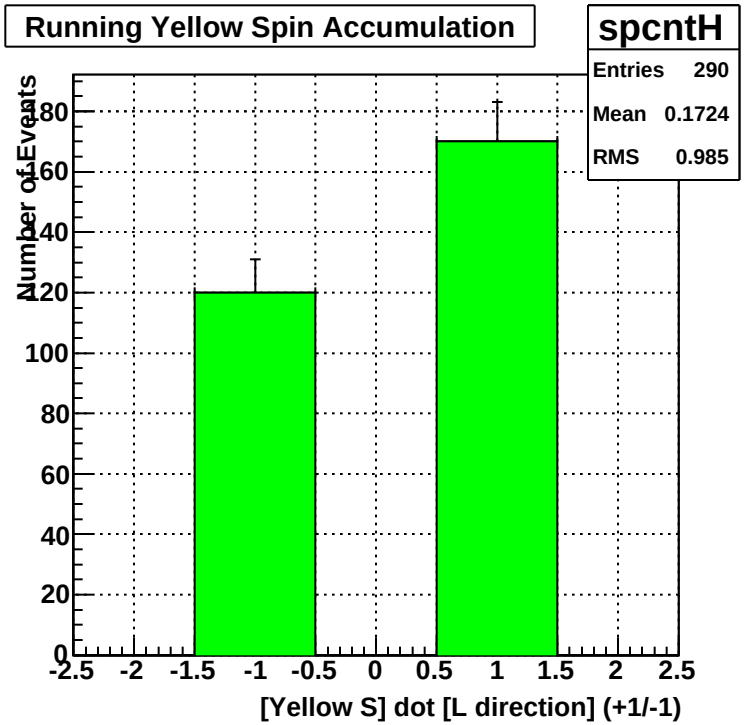
290) Rnum=7127038 EventN=3708943 (3 Yu-N[+])

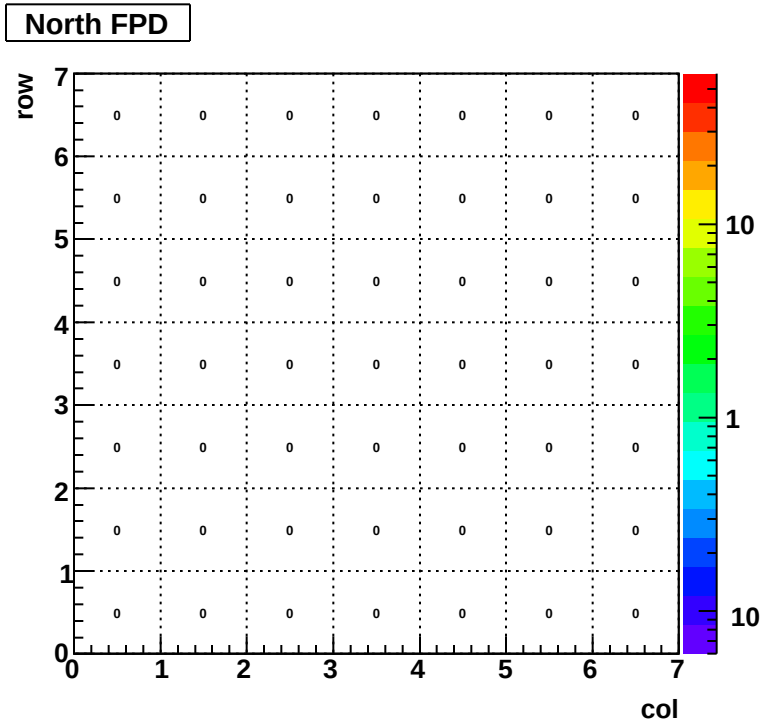
(1) Energy=56.421593 Y=-3.619670 Phi=-0.170446

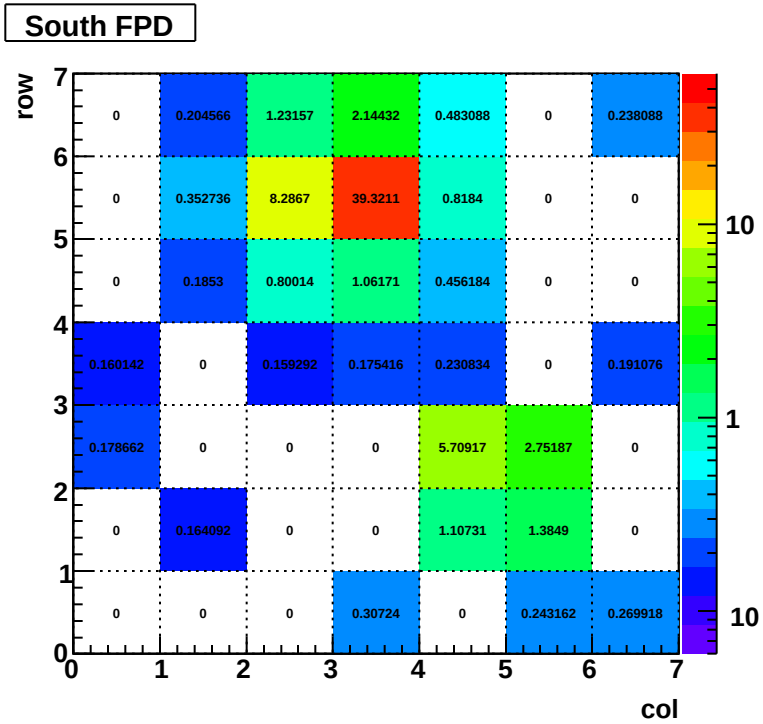
(2) Energy=11.364067 Y=-3.480182 Phi=0.114751

M12=0.460 Y12=-3.601 Phi12=-0.117 E12=67.786

SumN(-) = 120 SumN(+)= 170 AN/.6=0.287







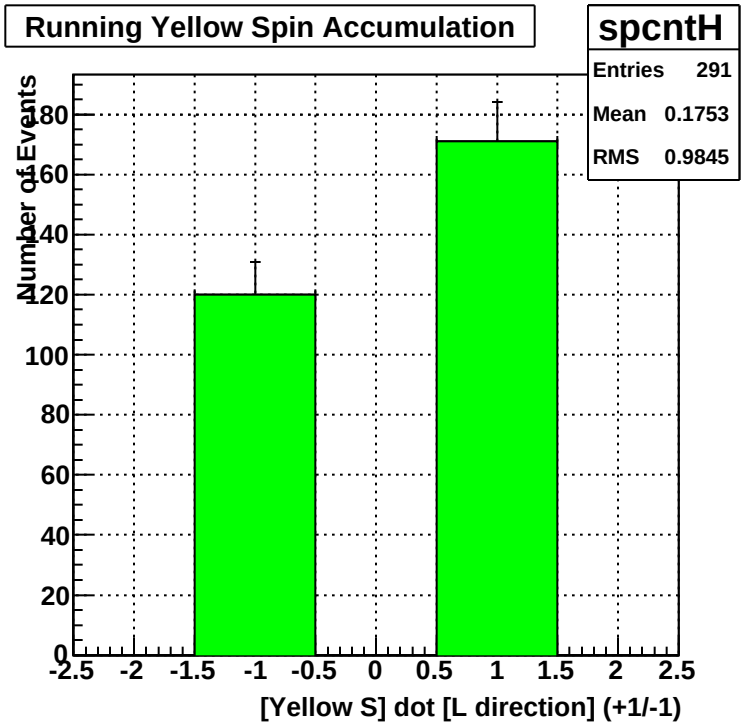
291) Rnum=7127038 EventN=4809942 (1 Yu-N[+])

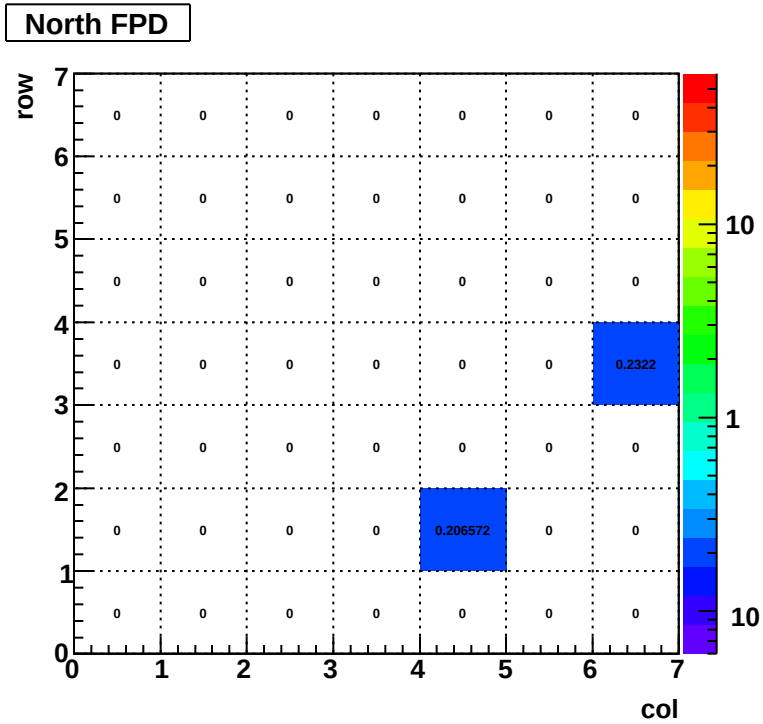
(1) Energy=53.914257 Y=-3.860657 Phi=0.015360

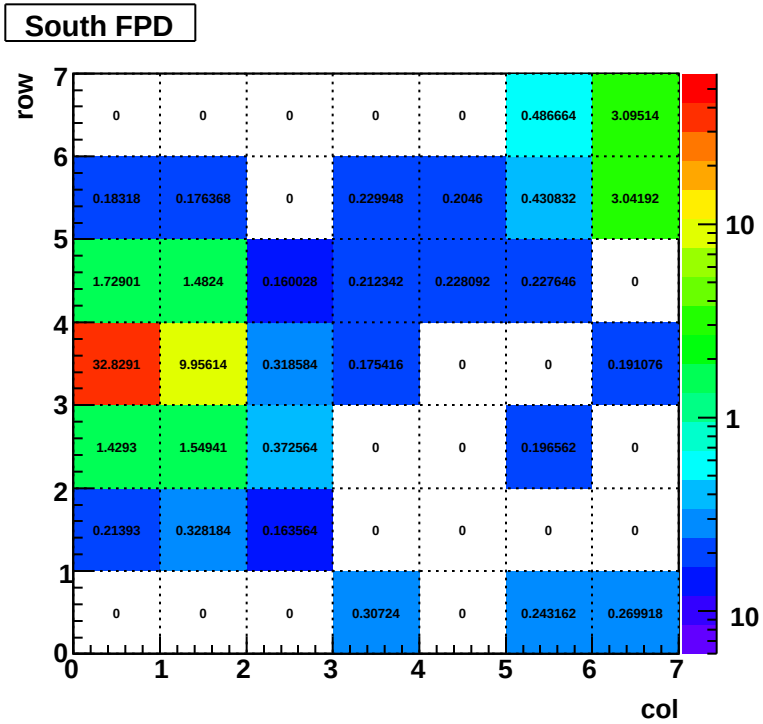
(2) Energy=7.714415 Y=-3.377018 Phi=-0.162543

M12=0.568 Y12=-3.788 Phi12=-0.018 E12=61.629

SumN(-) = 120 SumN(+)= 171 AN/.6=0.292







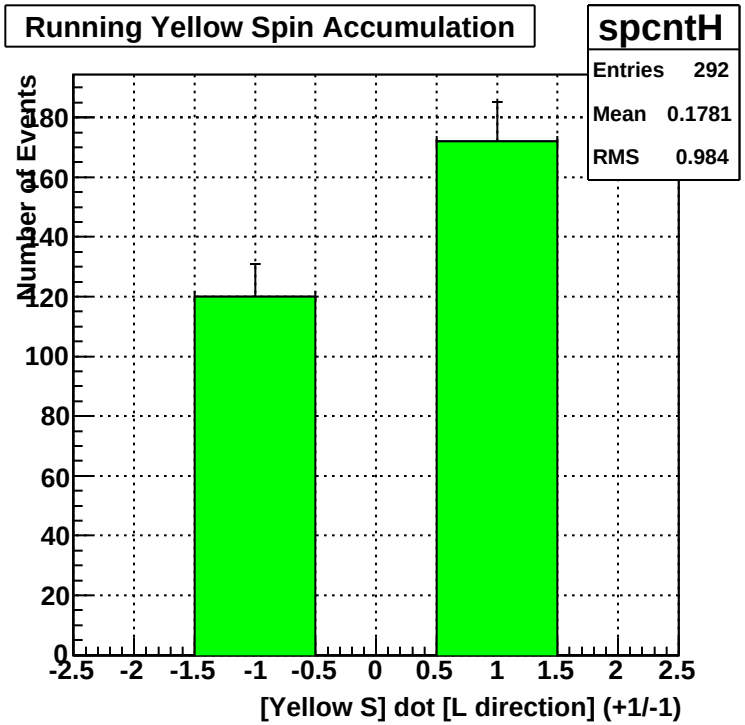
292) Rnum=7127039 EventN=902218 (3 Yu-N[+])

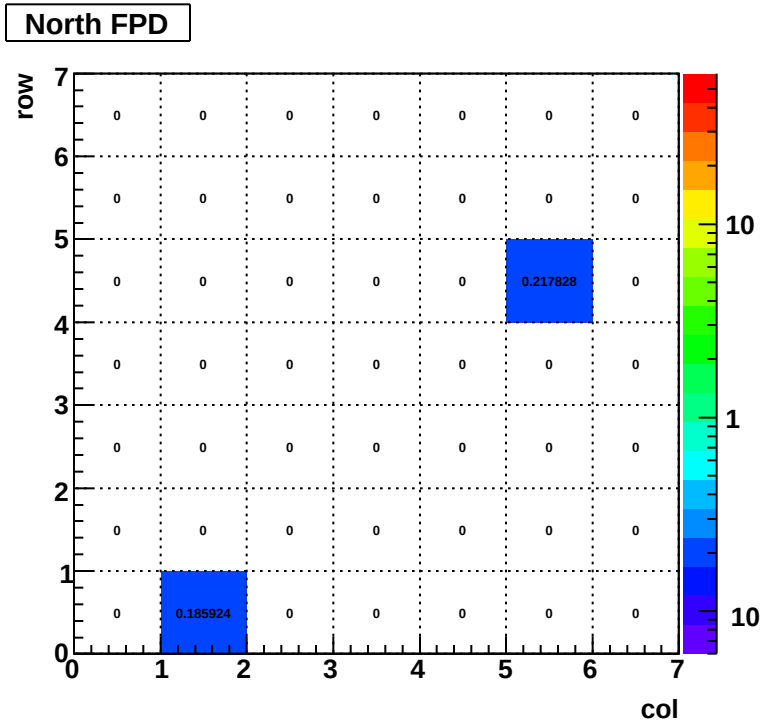
(1) Energy=37.933167 Y=-3.812789 Phi=0.072578

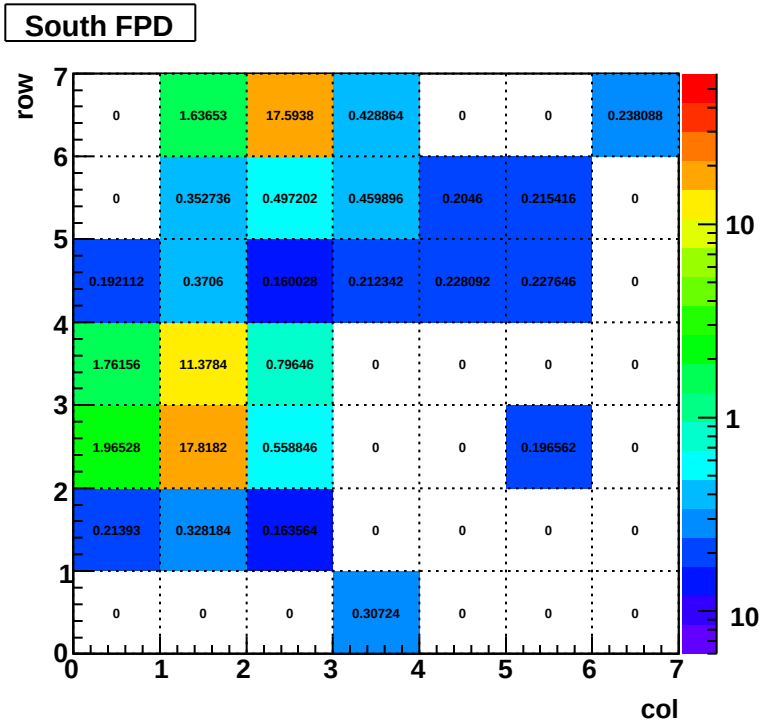
(2) Energy=24.258732 Y=-3.672835 Phi=-0.275673

M12=0.537 Y12=-3.771 Phi12=-0.075 E12=62.192

SumN(-) = 120 SumN(+)= 172 AN/.6=0.297







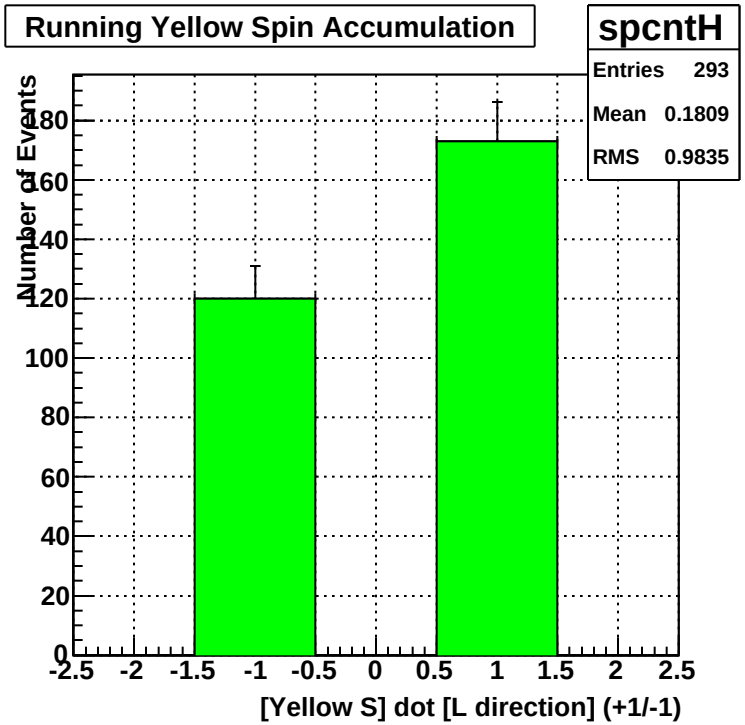
293) Rnum=7127042 EventN=2907994 (1 Yu-N[+])

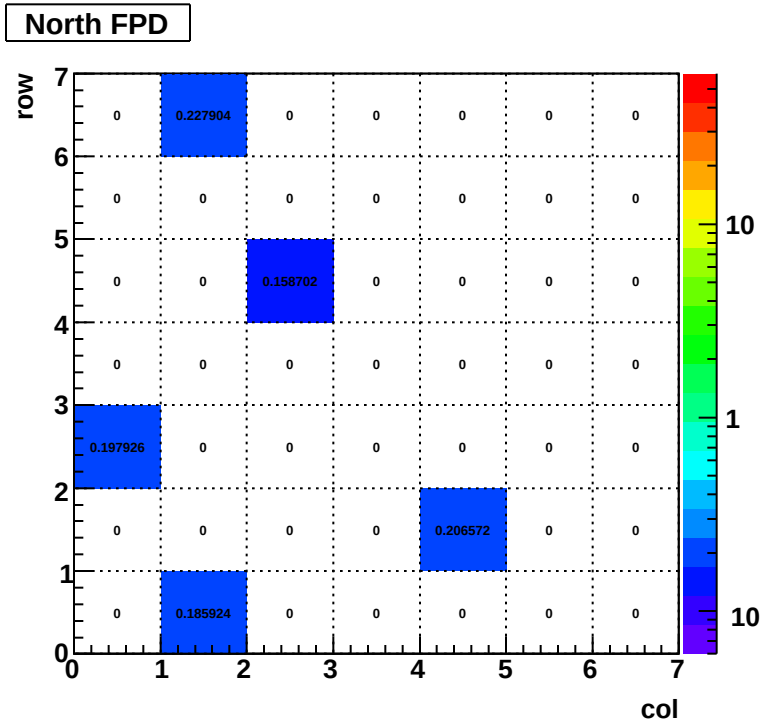
(1) Energy=51.179115 Y=-3.758239 Phi=0.123514

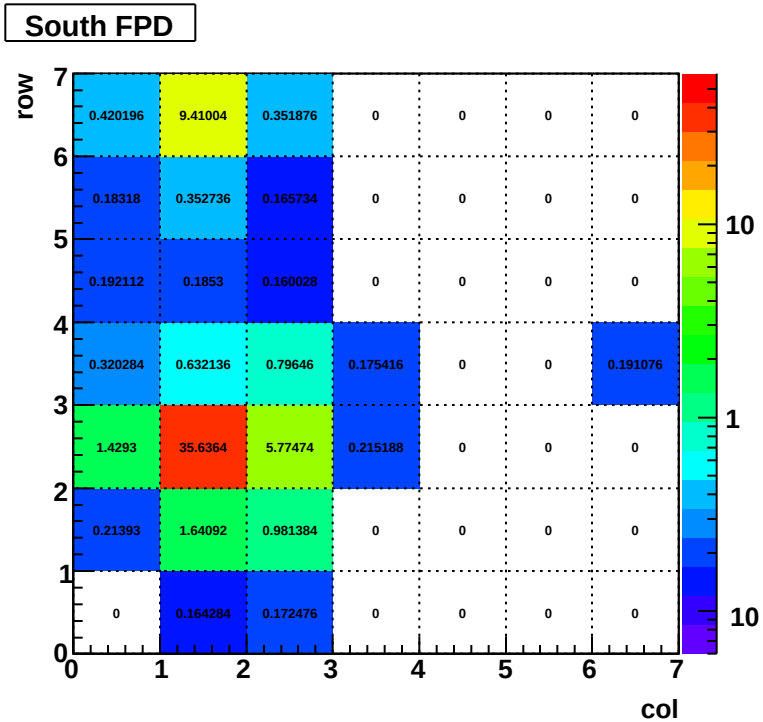
(2) Energy=11.994474 Y=-3.752571 Phi=-0.292007

M12=0.478 Y12=-3.770 Phi12=0.045 E12=63.174

SumN(-) = 120 SumN(+)= 173 AN/.6=0.301







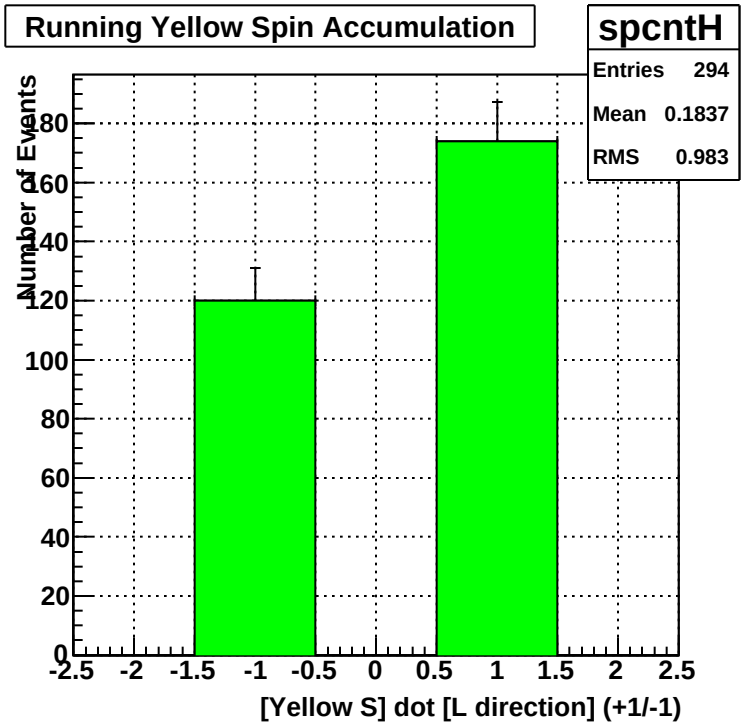
294) Rnum=7127049 EventN=1009338 (3 Yu-N[+])

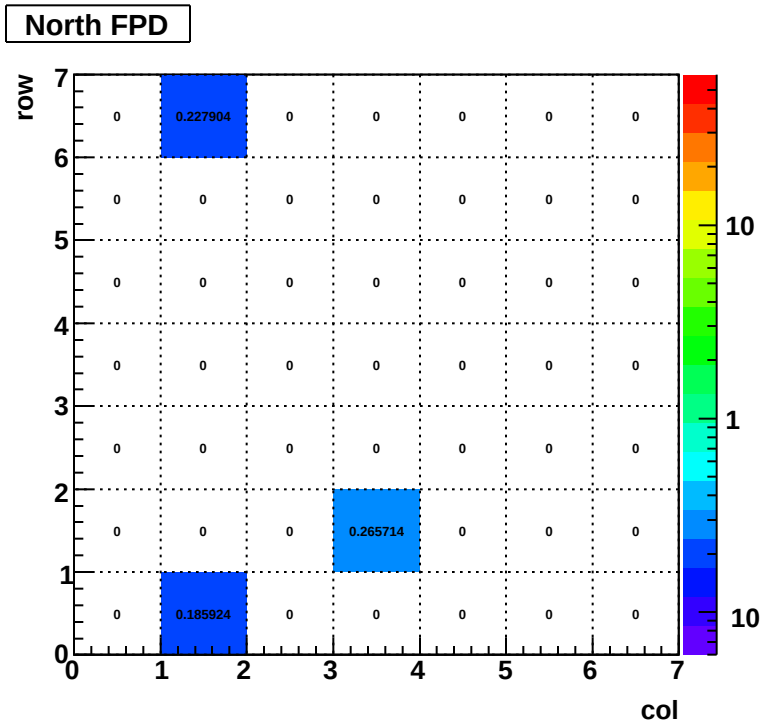
(1) Energy=35.465088 Y=-3.715656 Phi=0.212391

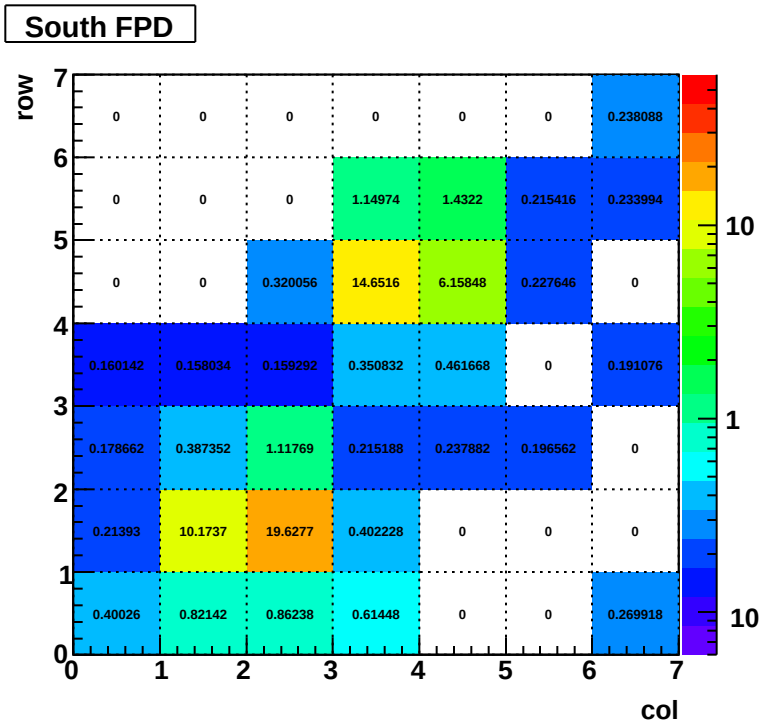
(2) Energy=24.848488 Y=-3.564858 Phi=-0.086203

M12=0.519 Y12=-3.662 Phi12=0.078 E12=60.314

SumN(-) = 120 SumN(+)= 174 AN/.6=0.306







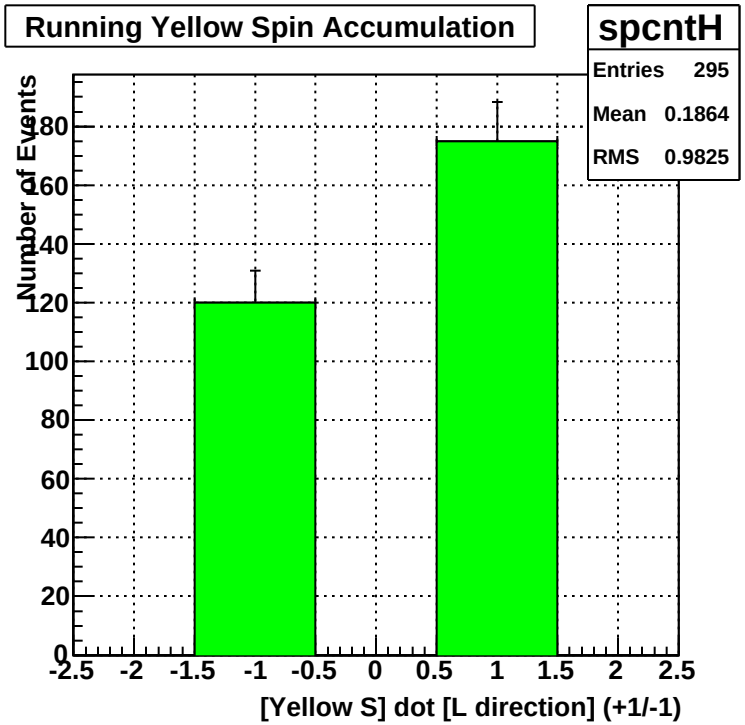
295) Rnum=7127049 EventN=1102908 (1 Yu-N[+])

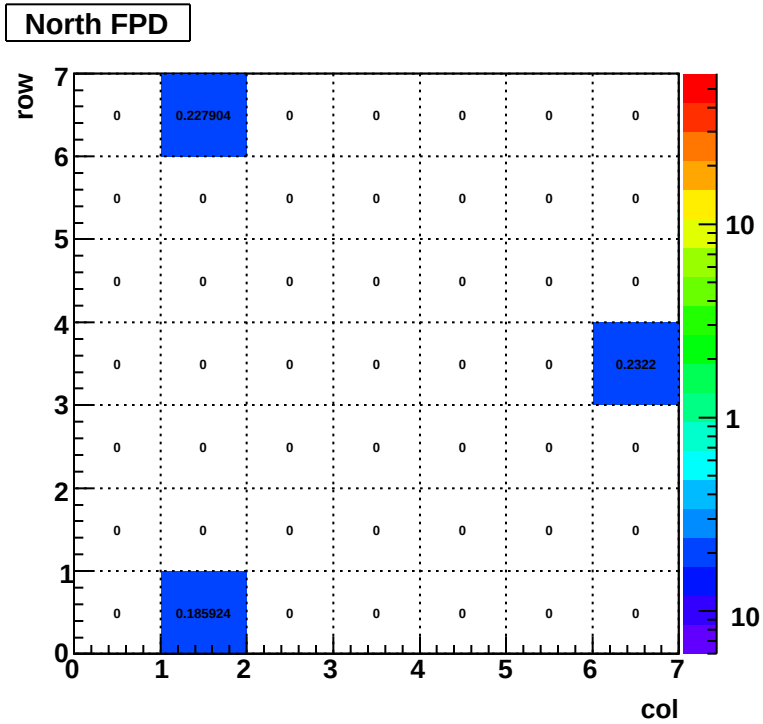
(1) Energy=55.573727 Y=-3.679255 Phi=0.137236

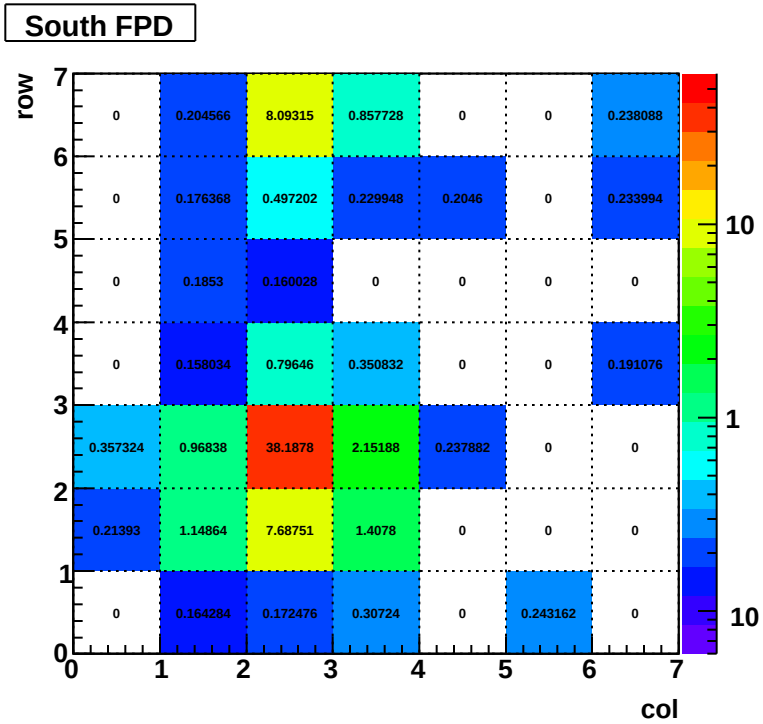
(2) Energy=11.263604 Y=-3.645518 Phi=-0.250702

M12=0.497 Y12=-3.684 Phi12=0.071 E12=66.837

SumN(-) = 120 SumN(+)= 175 AN/.6=0.311







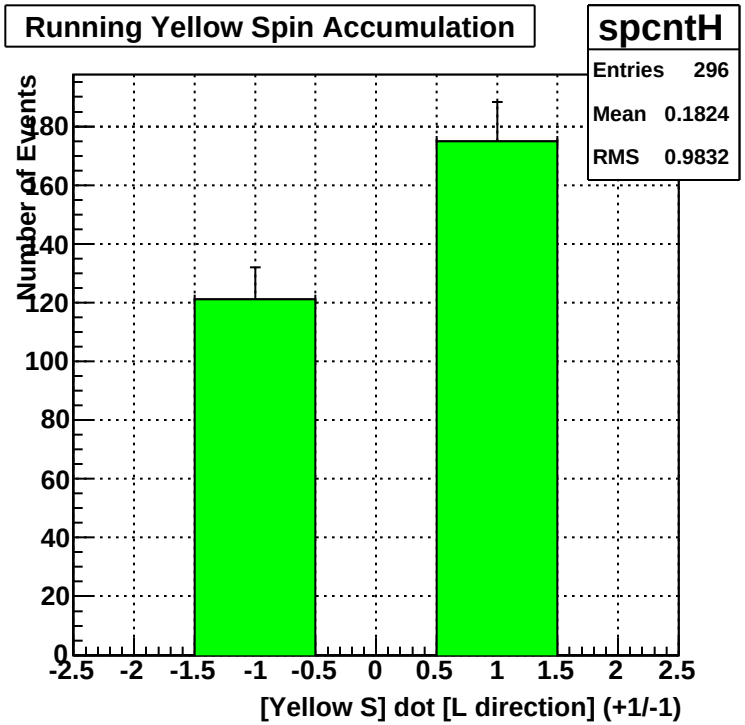
296) Rnum=7127064 EventN=1509176 (0 Yd-N[-])

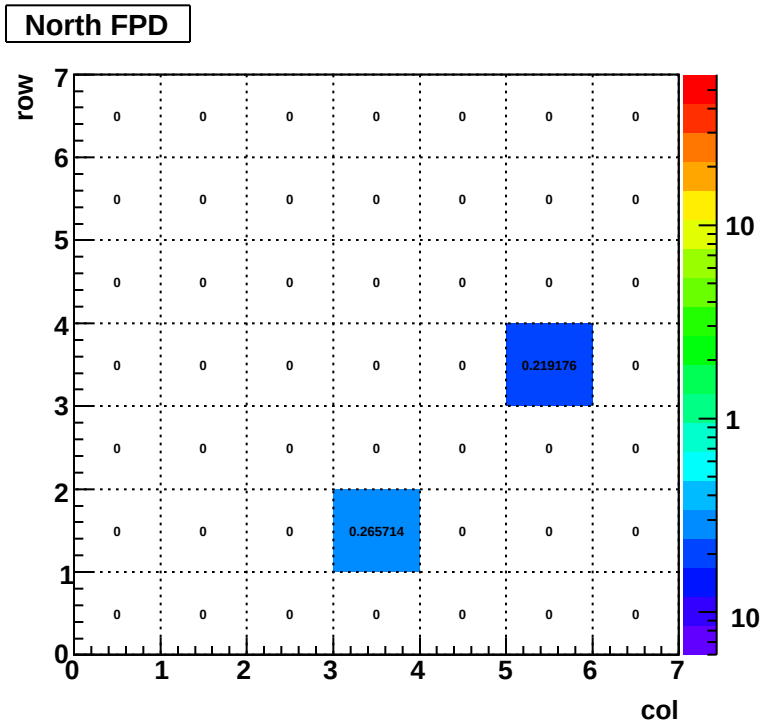
(1) Energy=52.014072 Y=-3.879912 Phi=0.070602

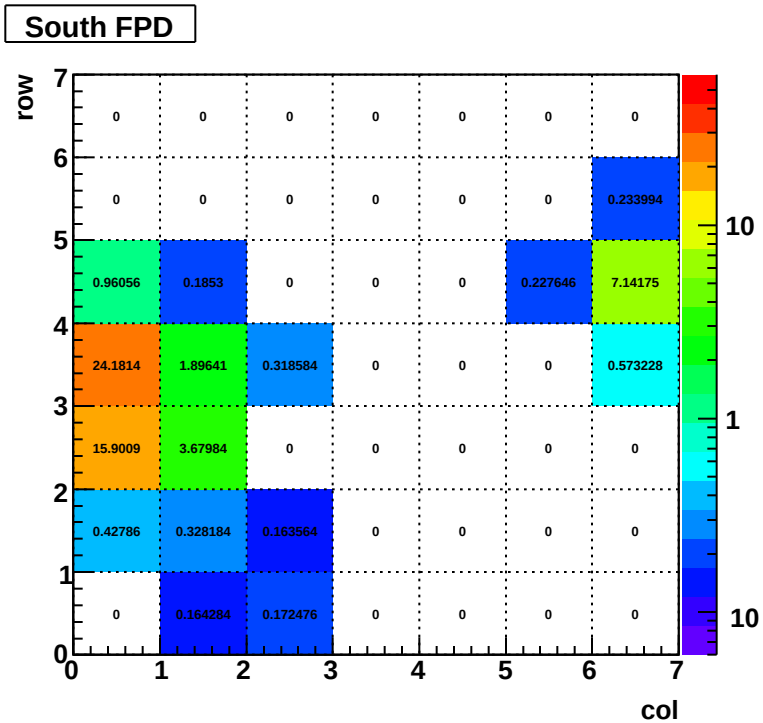
(2) Energy=9.787563 Y=-3.364944 Phi=-0.049458

M12=0.644 Y12=-3.780 Phi12=0.042 E12=61.802

SumN(-) = 121 SumN(+)= 175 AN/.6=0.304







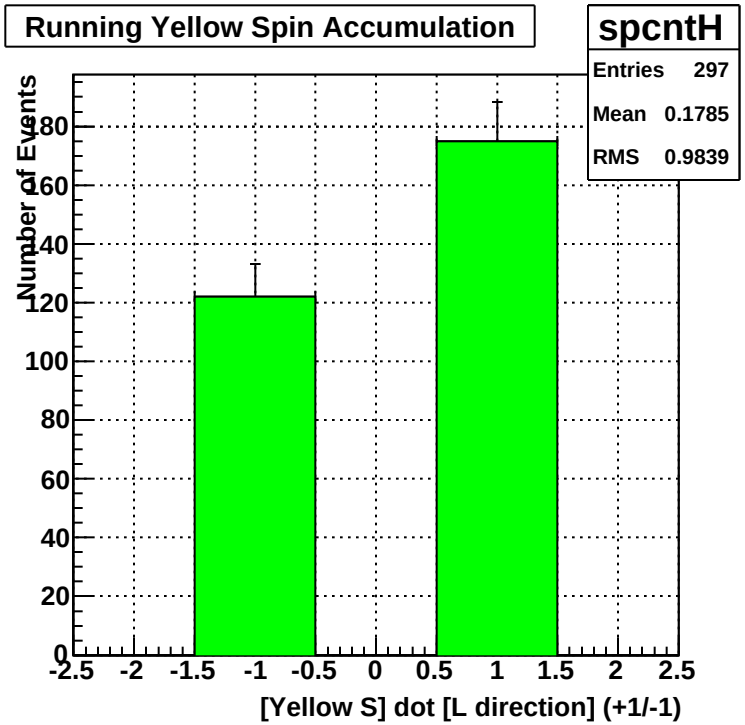
297) Rnum=7127066 EventN=2208024 (3 Yu-S[-])

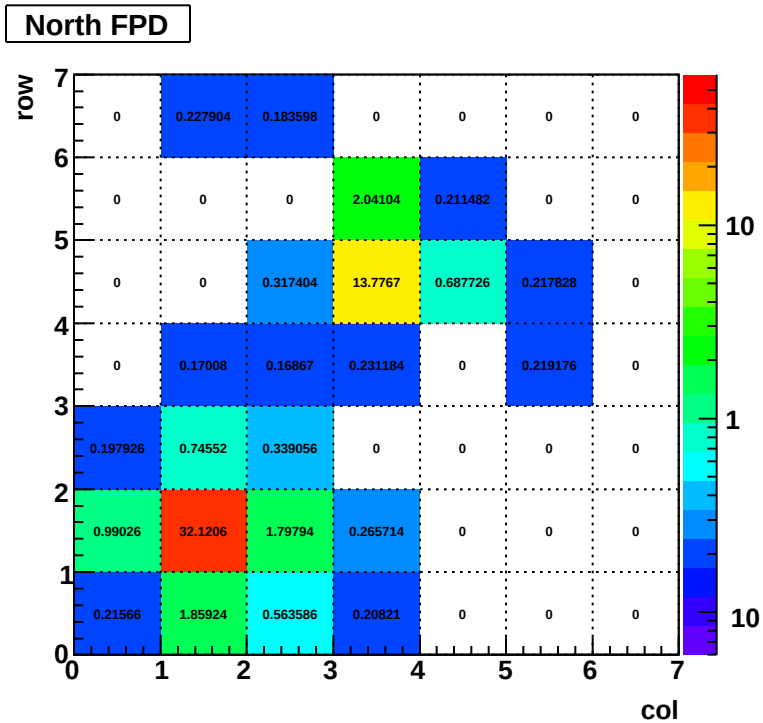
(1) Energy=42.246548 Y=-3.759524 Phi=2.912933

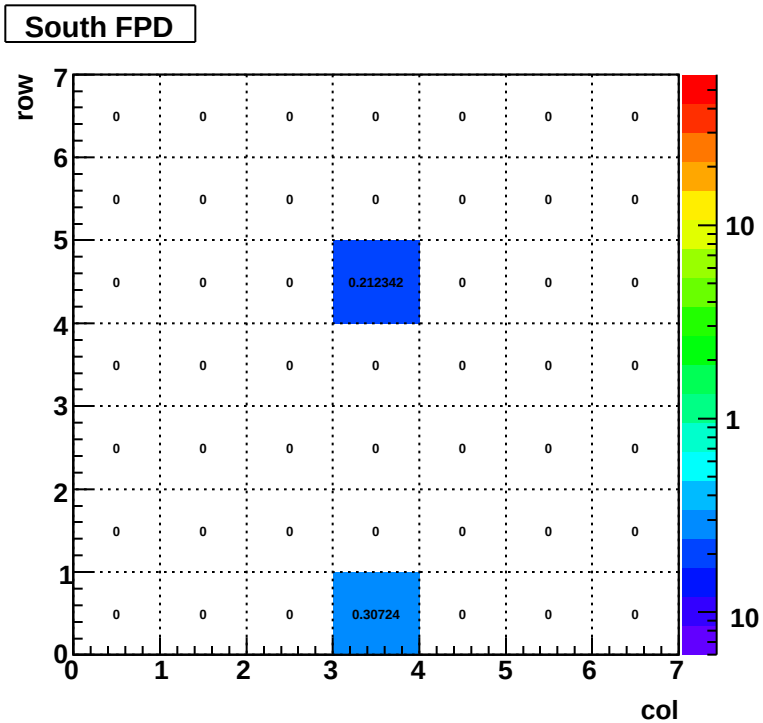
(2) Energy=18.336733 Y=-3.595773 Phi=-3.045507

M12=0.510 Y12=-3.719 Phi12=3.022 E12=60.583

SumN(-) = 122 SumN(+)= 175 AN/.6=0.297







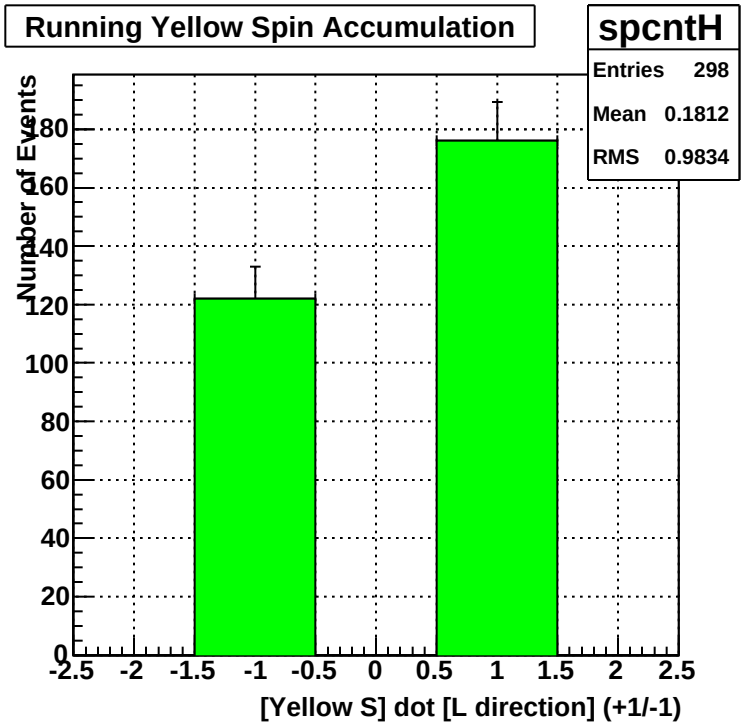
298) Rnum=7127067 EventN=609087 (2 Yd-S[+])

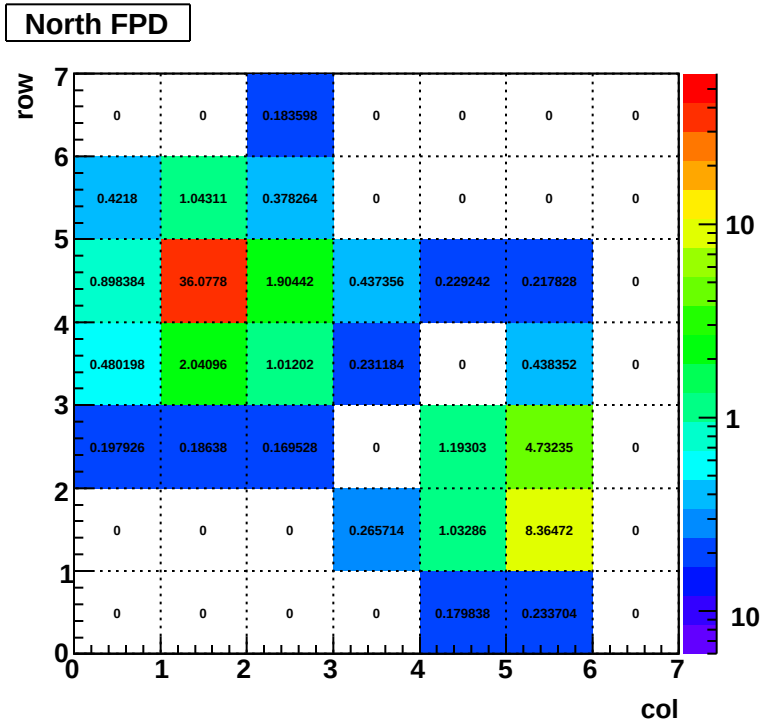
(1) Energy=47.642784 Y=-3.781354 Phi=-3.062906

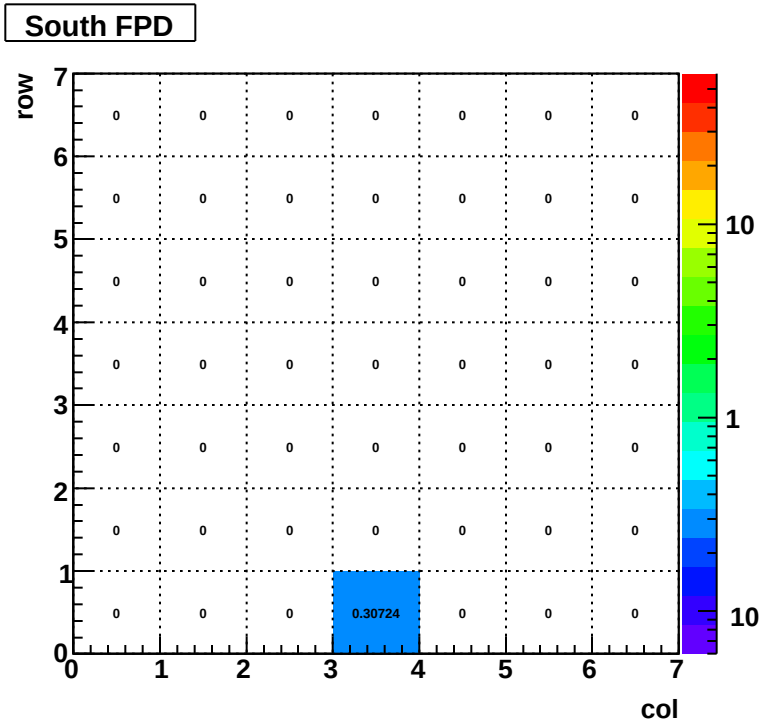
(2) Energy=15.535796 Y=-3.457954 Phi=3.015221

M12=0.559 Y12=-3.696 Phi12=-3.126 E12=63.179

SumN(-) = 122 SumN(+)= 176 AN/.6=0.302







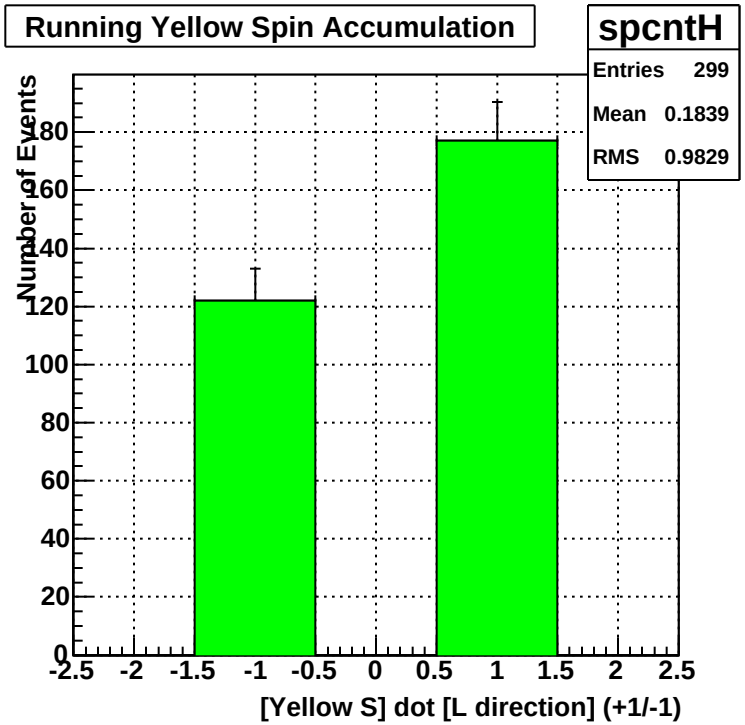
299) Rnum=7127069 EventN=3700458 (1 Yu-N[+])

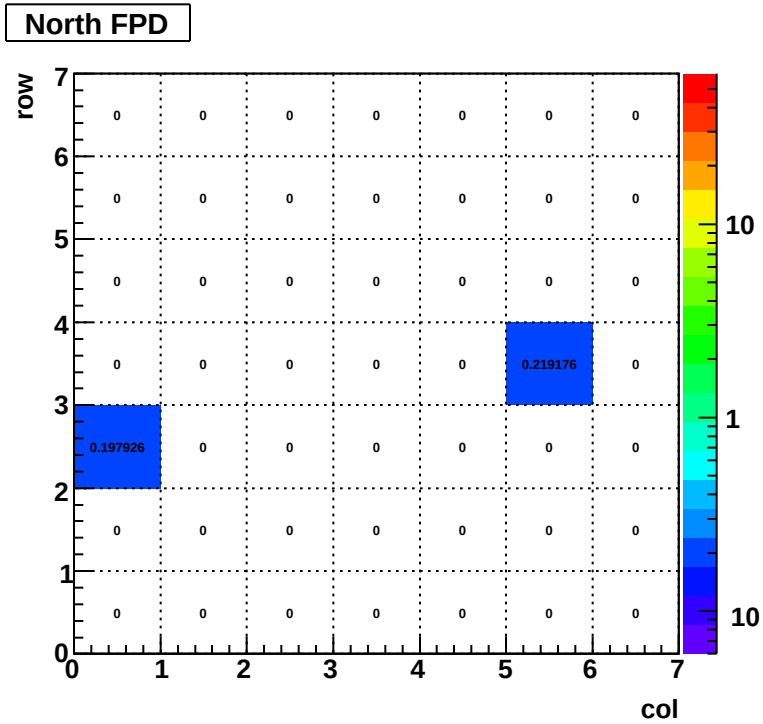
(1) Energy=34.699516 Y=-3.666807 Phi=0.173391

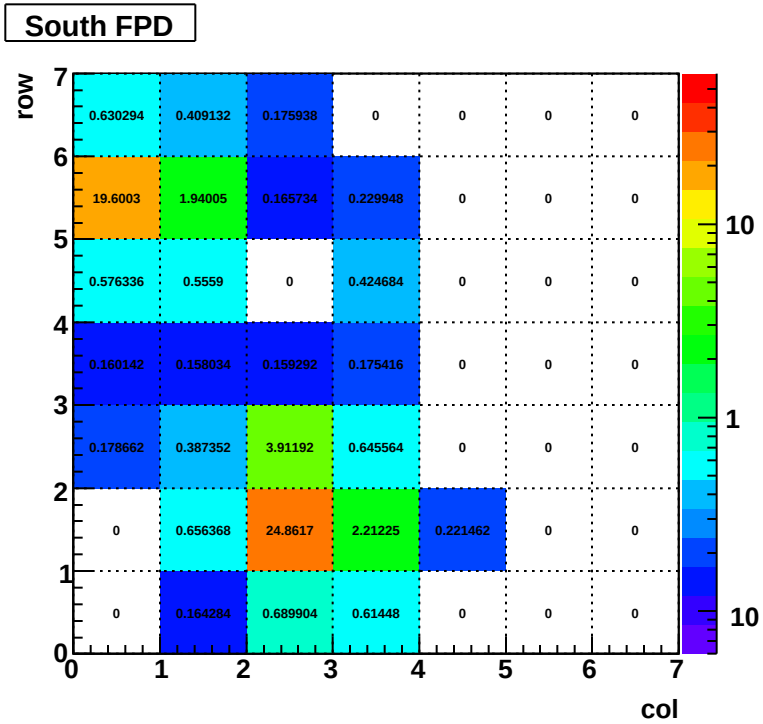
(2) Energy=25.863220 Y=-3.860178 Phi=-0.208256

M12=0.592 Y12=-3.762 Phi12=0.029 E12=60.563

SumN(-) = 122 SumN(+)= 177 AN/.6=0.307







Fri Nov 6 01:15:36 2009