

Embedding QA

embedding + real

Color code for embedding and real data

- MC (black)
- Reconstructed embedding tracks* (red)
- Real** (blue)

* matched pairs or contaminated pairs

** black is also used, see legend for each pad

Event & track selections

*** **Event selections**

z-vertex cut : $|v_z| < 220.0$ cm

trigger id cut : id = 680001

NOTE: Trigger id cut for real data has to be made manually in doEmbeddingQAMaker.C

*** **Track selections**

$0.0 < p_T < 5.0$ GeV/c

$|\eta| < 10.00$

$|y| < 2.20$

nHitsFit > 10

nHitsFit/nHitsPoss > 0.51

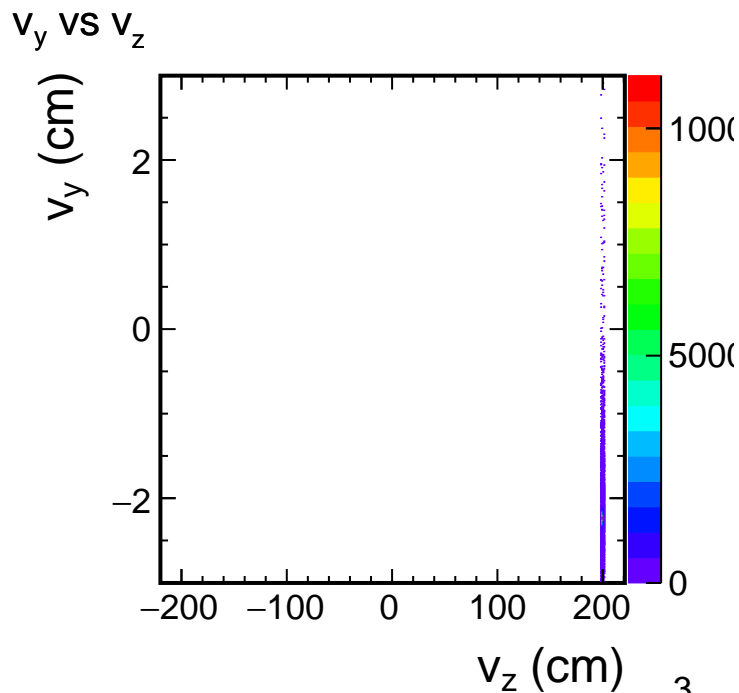
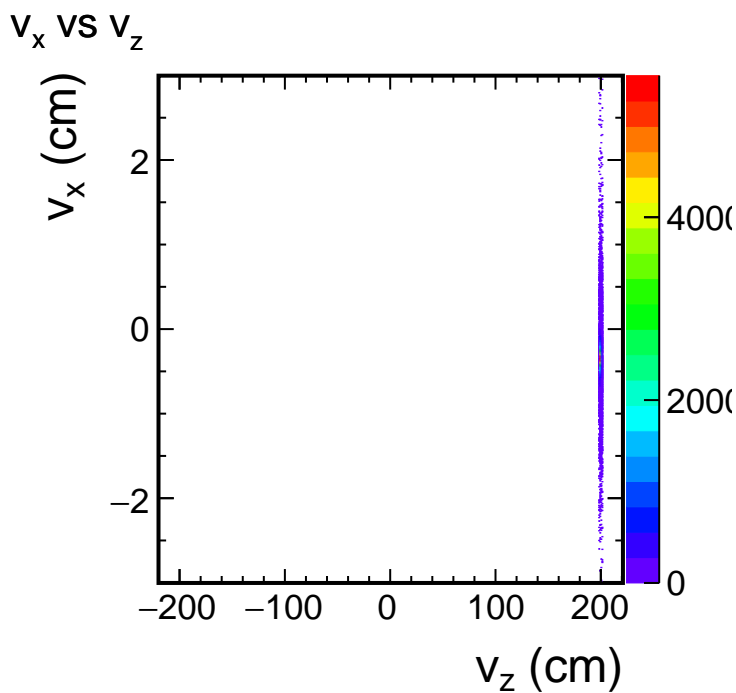
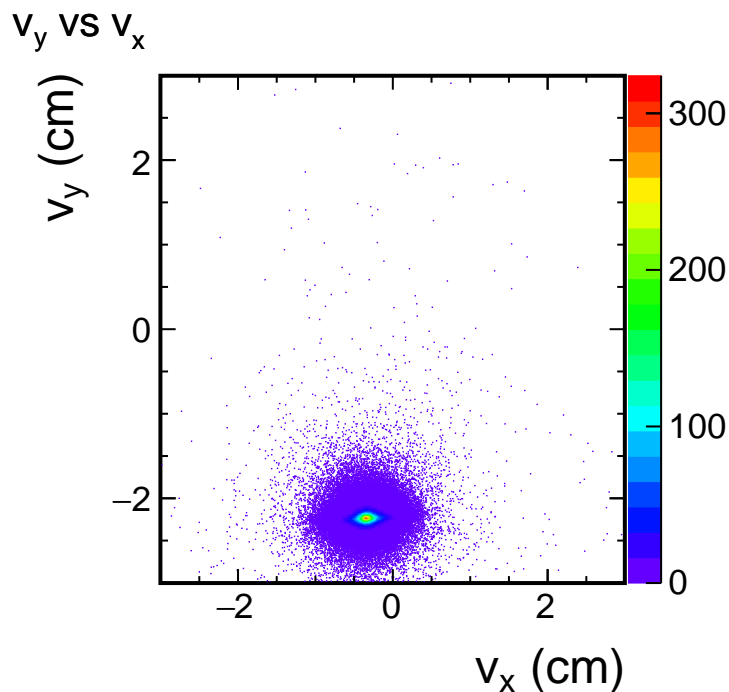
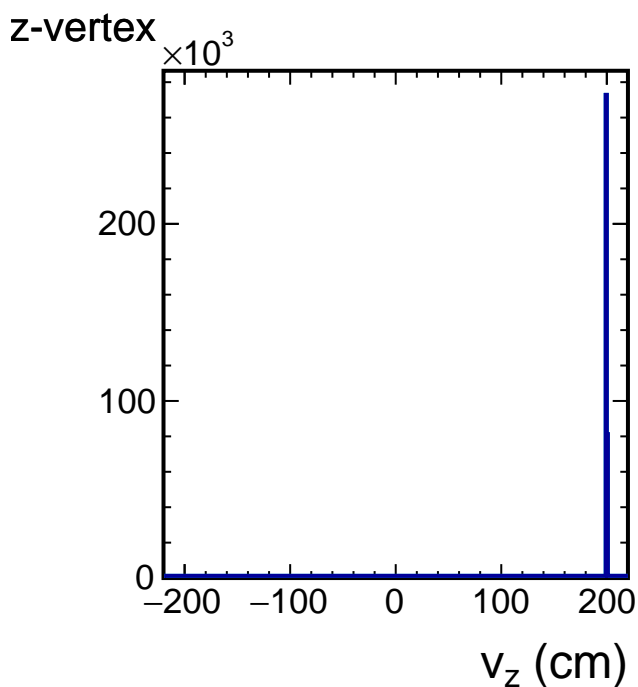
global Dca < 3.0 cm

$|\sigma| < 2.0$, using TPC dE/dx

NOTE1: Rapidity cut for real data has to be made manually in doEmbeddingQAMaker.C

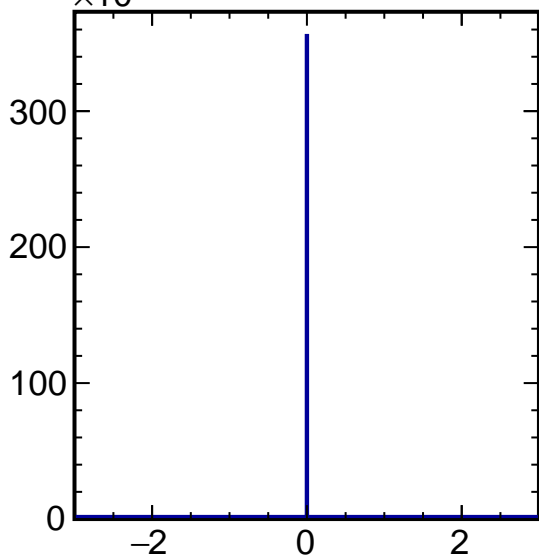
NOTE2: Cut on its own variable is currently disabled, e.x. no dca cut for dca histogram

Event vertices, offline cuts: $-220.0 < v_z < 220.0$ cm



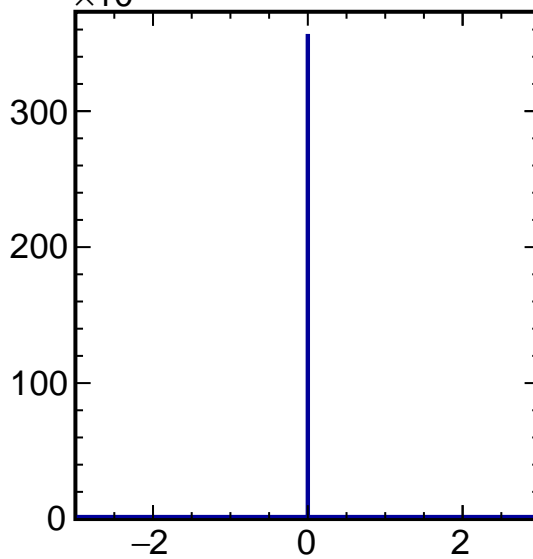
Event vertices, $\Delta v = v(\text{Data}) - v(\text{MC})$

$= v_x - v_x(\text{MC})$
 $\times 10^3$



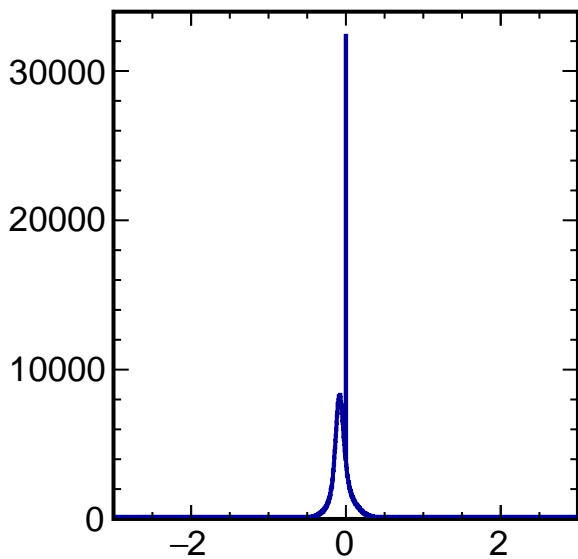
$\Delta v_x = v_x - v_x(\text{MC})$ (cm)

$= v_y - v_y(\text{MC})$
 $\times 10^3$



$\Delta v_y = v_y - v_y(\text{MC})$ (cm)

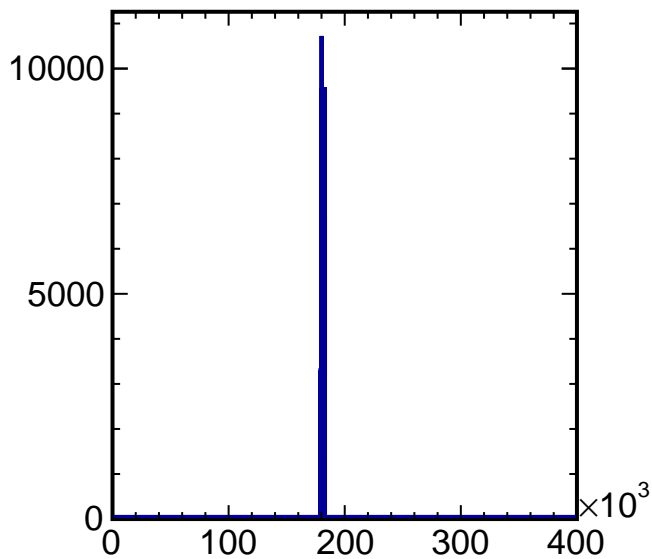
$= v_z - v_z(\text{MC})$



$\Delta v_z = v_z - v_z(\text{MC})$ (cm)

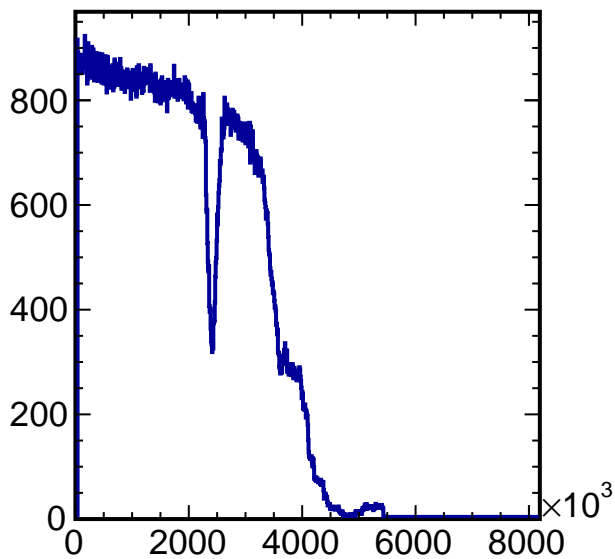
Run and event id

$(\text{Year} - 1999) \times 10^6$



Run number

Event id

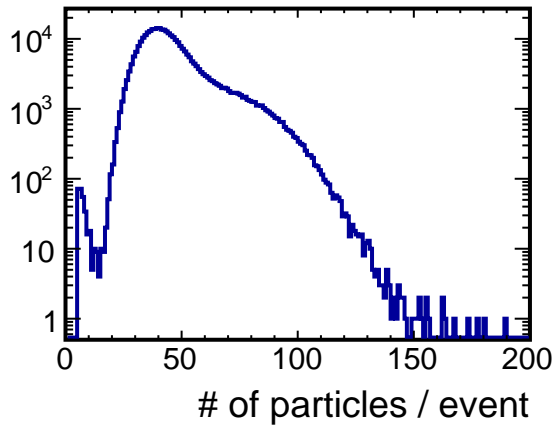


Event id

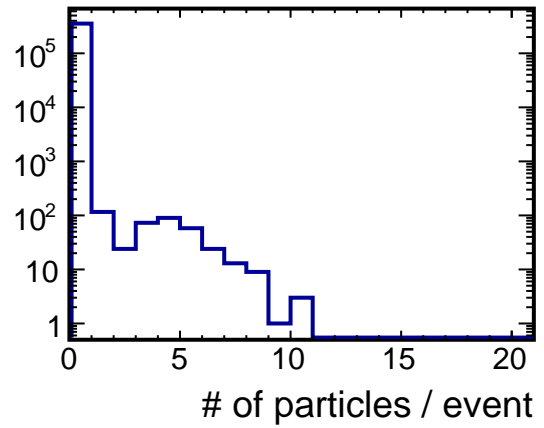
| Run id | statistics | Run id | statistics | Run id | statistics | Run id | statistics |
|----------|-------------|----------|--------------|----------|-------------|----------|-------------|
| 20179040 | 2374 events | 20180022 | 3057 events | 20181013 | 4540 events | 20182018 | 9078 events |
| 20179041 | 3306 events | 20180023 | 3100 events | 20181017 | 2963 events | 20182035 | 1737 events |
| 20180001 | 5585 events | 20180024 | 9425 events | 20181018 | 2318 events | 20183002 | 1680 events |
| 20180002 | 9019 events | 20180026 | 3922 events | 20181019 | 7611 events | 20183003 | 3603 events |
| 20180003 | 7232 events | 20180045 | 3950 events | 20181042 | 2964 events | 20183004 | 2730 events |
| 20180004 | 773 events | 20180046 | 10725 events | 20181043 | 3785 events | 20183005 | 7614 events |
| 20180007 | 5740 events | 20180047 | 5739 events | 20181044 | 6759 events | 20183008 | 5074 events |
| 20180008 | 2384 events | 20180048 | 4842 events | 20181045 | 284 events | 20183009 | 4337 events |
| 20180009 | 1774 events | 20181001 | 4012 events | 20182006 | 5631 events | 20183010 | 4229 events |
| 20180010 | 404 events | 20181002 | 4821 events | 20182007 | 2966 events | 20183011 | 1069 events |
| 20180011 | 9369 events | 20181003 | 3371 events | 20182008 | 1951 events | 20183012 | 3992 events |
| 20180012 | 5304 events | 20181004 | 7232 events | 20182009 | 1575 events | 20183015 | 4575 events |
| 20180013 | 5454 events | 20181005 | 5987 events | 20182010 | 1846 events | 20183016 | 2531 events |
| 20180014 | 3109 events | 20181006 | 3930 events | 20182011 | 5677 events | 20183017 | 1415 events |
| 20180015 | 2251 events | 20181007 | 5107 events | 20182012 | 5604 events | 20183018 | 1296 events |
| 20180016 | 1570 events | 20181008 | 5621 events | 20182013 | 5708 events | 20183020 | 3992 events |
| 20180017 | 1581 events | 20181009 | 3994 events | 20182014 | 8677 events | 20183021 | 7743 events |
| 20180018 | 9566 events | 20181010 | 3609 events | 20182015 | 3423 events | 20183022 | 9586 events |
| 20180020 | 2057 events | 20181011 | 3021 events | 20182016 | 2830 events | 20183023 | 3192 events |
| 20180021 | 2222 events | 20181012 | 8677 events | 20182017 | 6791 events | 20183024 | 6729 events |

Multiplicity distribution

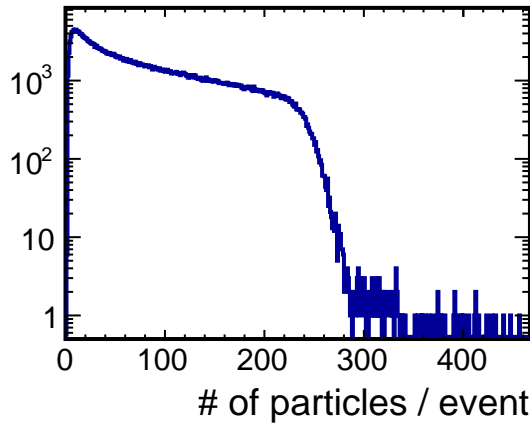
MC tracks



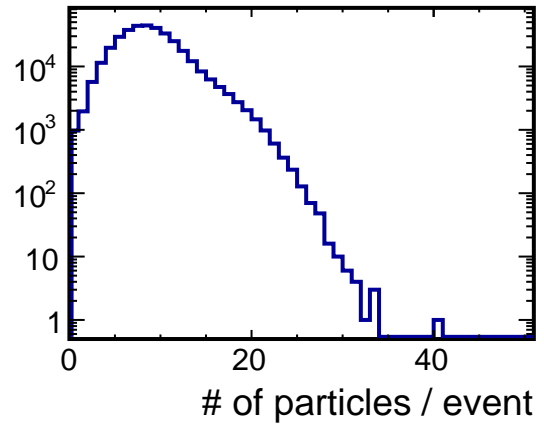
matched pairs



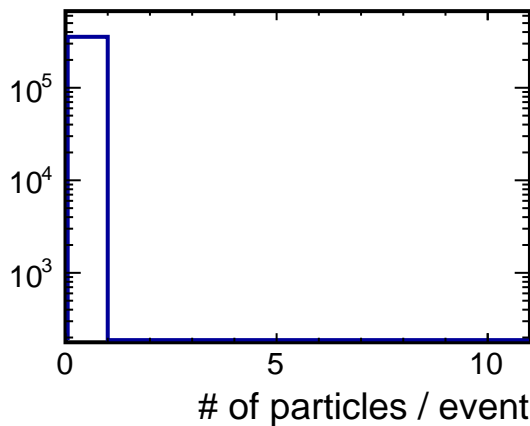
Ghost pairs



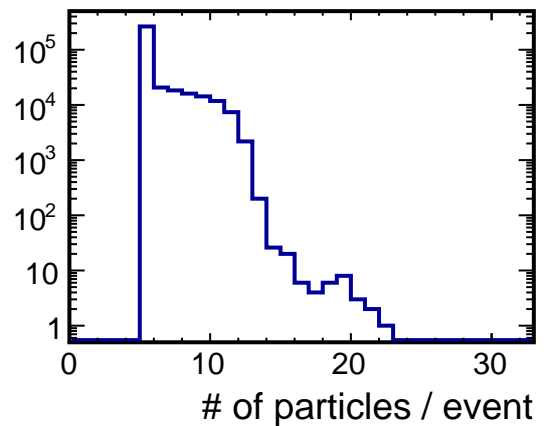
contaminated pairs



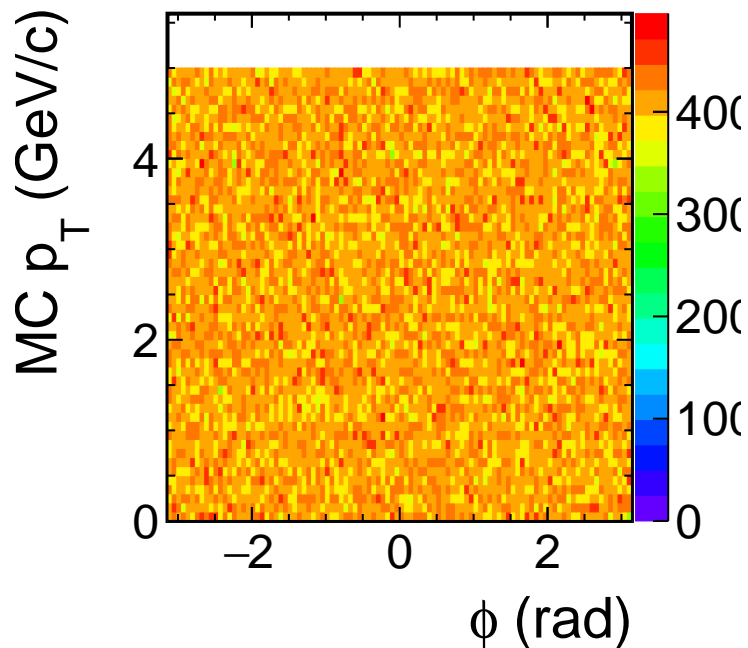
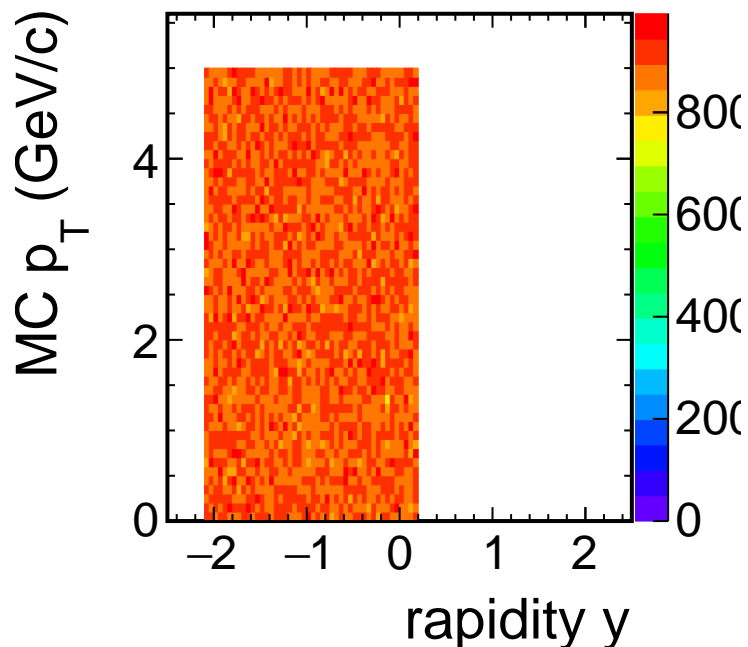
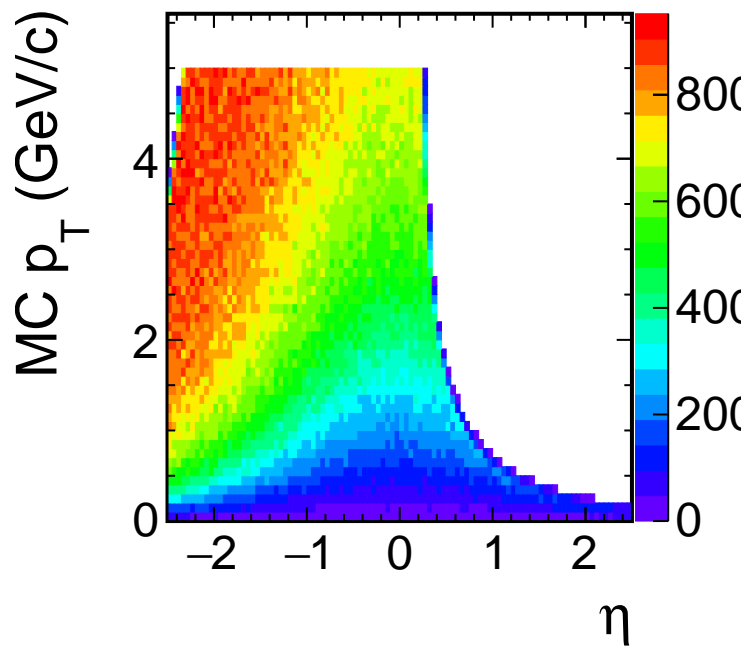
matched global pairs



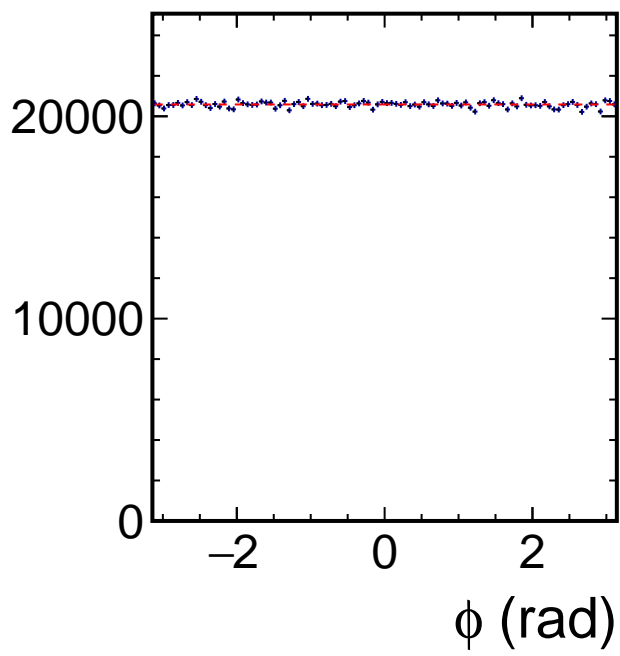
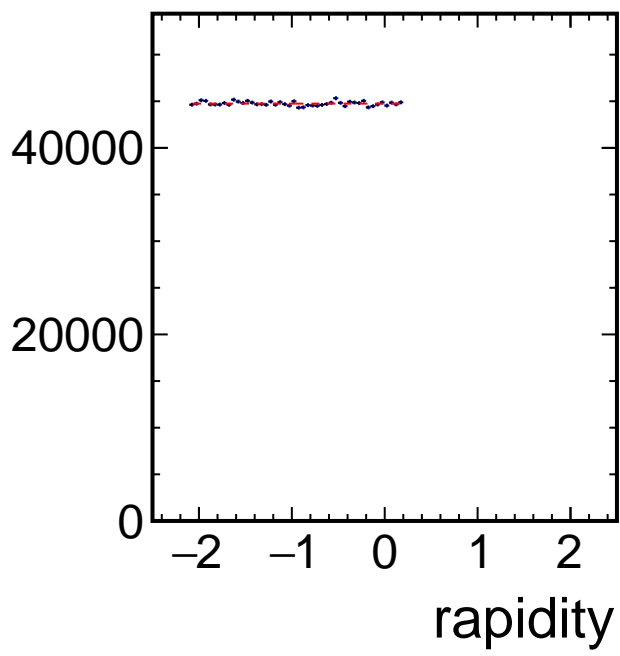
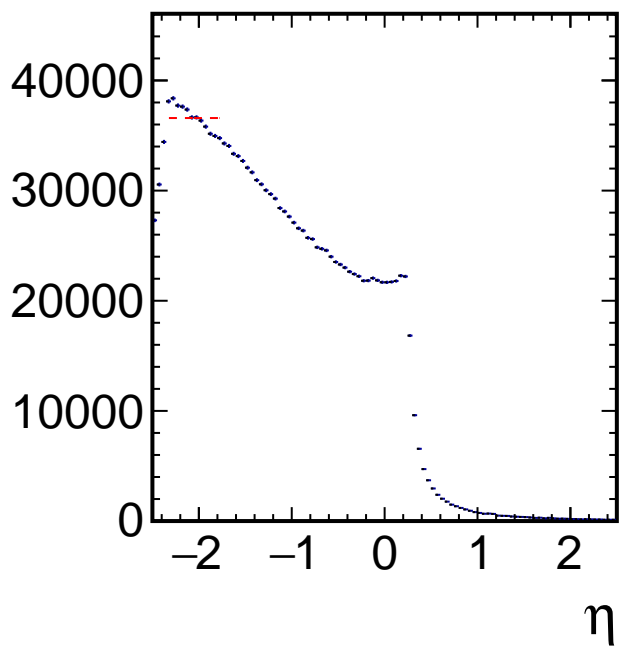
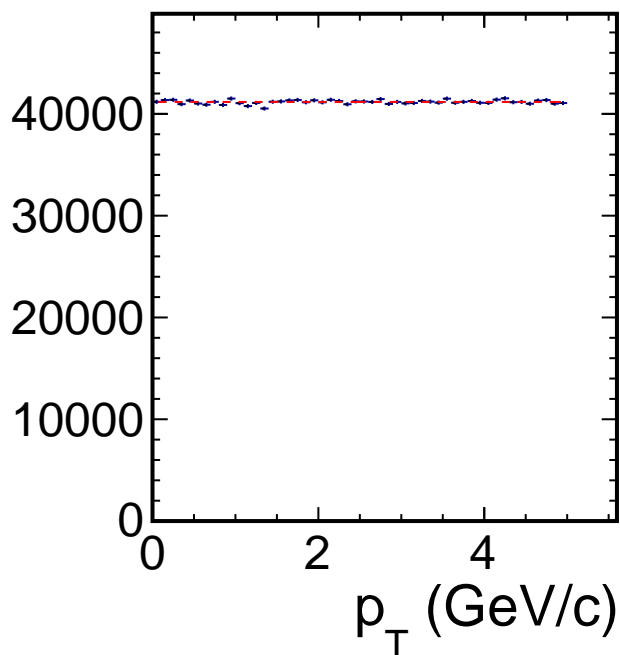
primary MC tracks



MC track QA (2D)

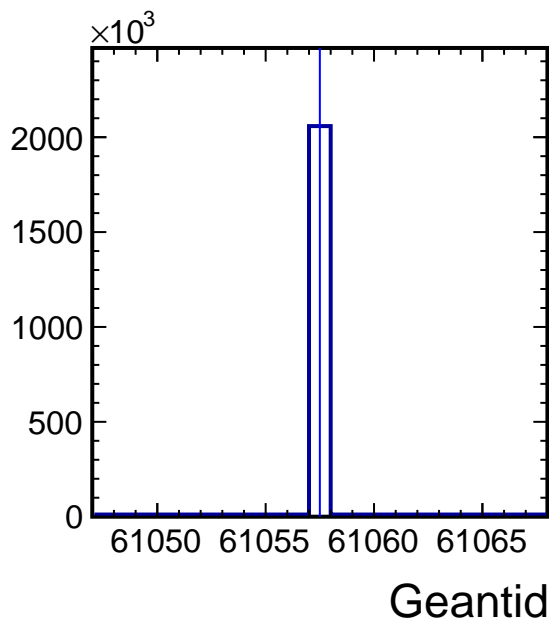


MC track QA (1D)

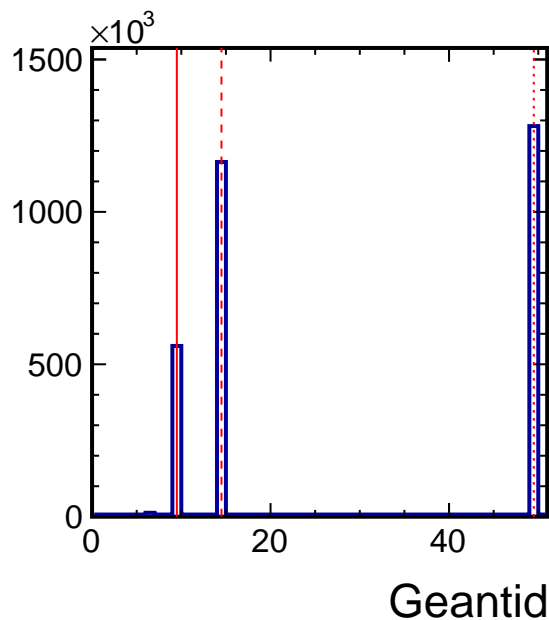


Geant id

Geant id for He4Lambda



Filtered Geant id

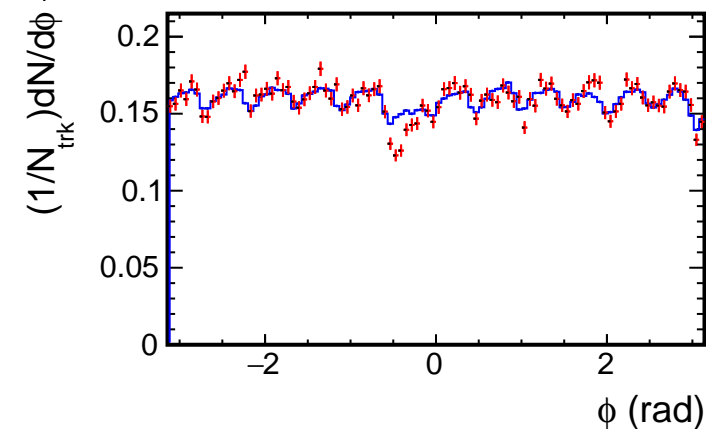


Particle informations

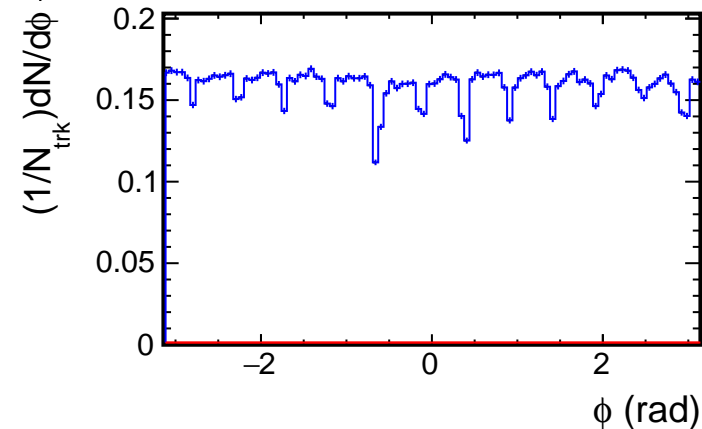
- Parent He4Lambda (MC, geantid=61057)
- Daughter pi- (from He4Lambda) (CONTAM, geantid=9)
- - - Daughter proton (from He4Lambda) (CONTAM, geantid=14)
- ⋯ Daughter He3 (from He4Lambda) (CONTAM, geantid=49)

Projection of ϕ for each p_T bin

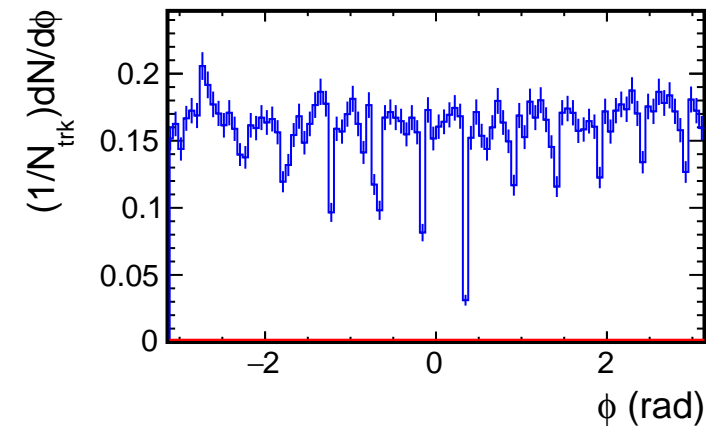
$p_T < 0.5$ (GeV/c)



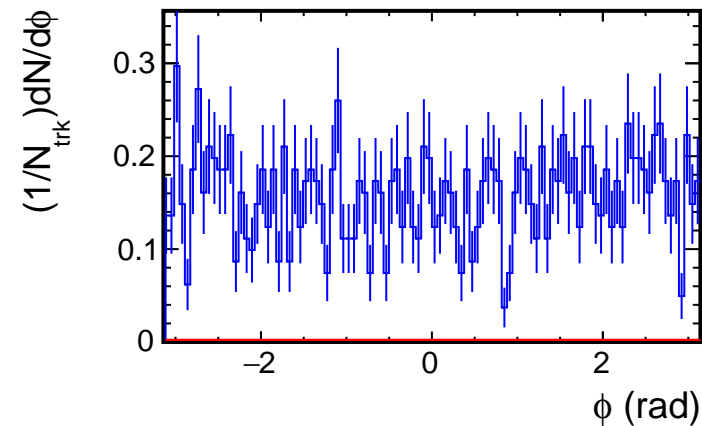
$p_T < 1.0$ (GeV/c)



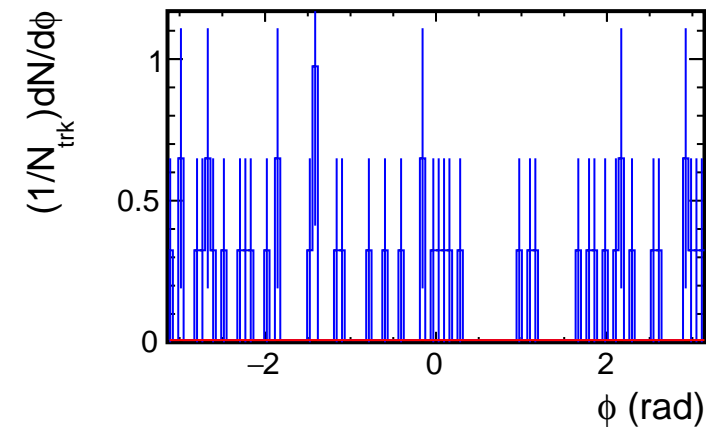
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



$p_T < 2.5$ (GeV/c)

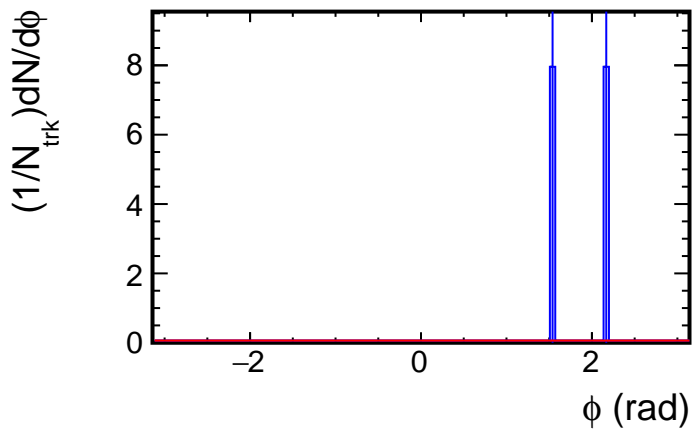


— Daughter pi- (from He4Lambda)
(CONTAM, geantid=9)

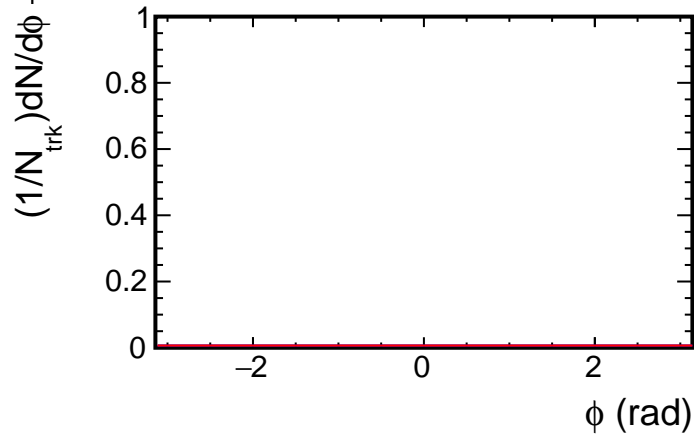
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

Projection of ϕ for each p_T bin

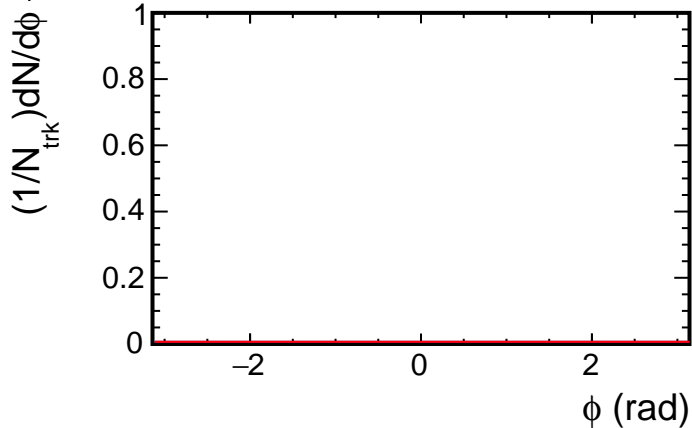
$p_T < 3.0$ (GeV/c)



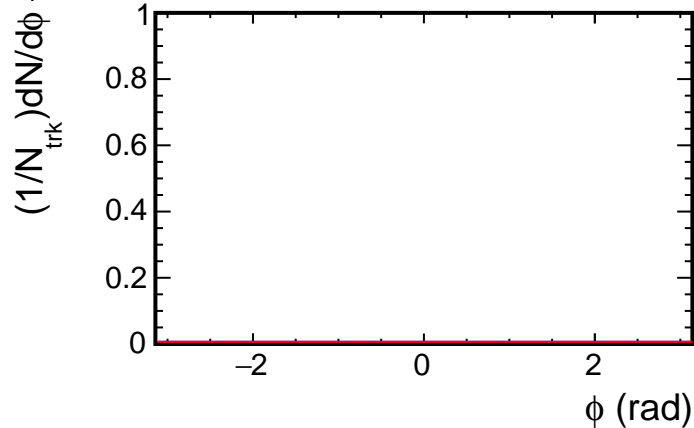
$p_T < 3.5$ (GeV/c)



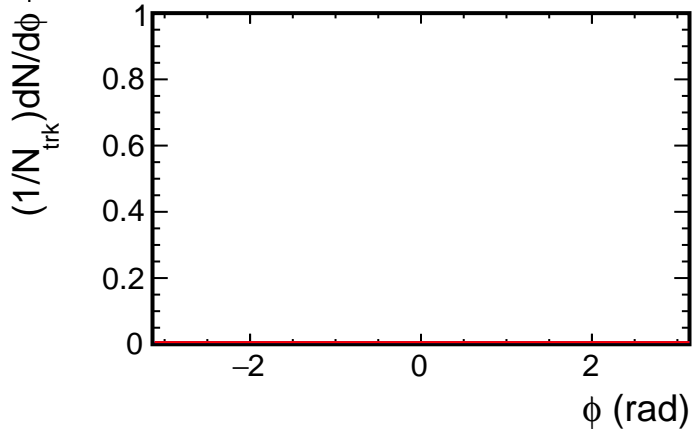
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



$p_T < 5.0$ (GeV/c)

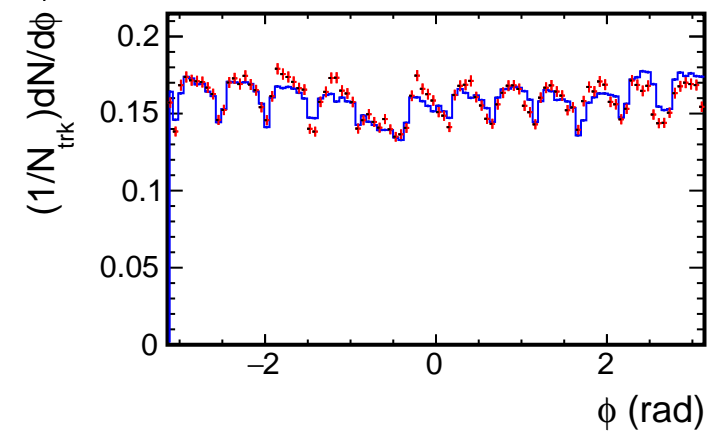


— Daughter pi- (from He4Lambda)
(CONTAM, geantid=9)

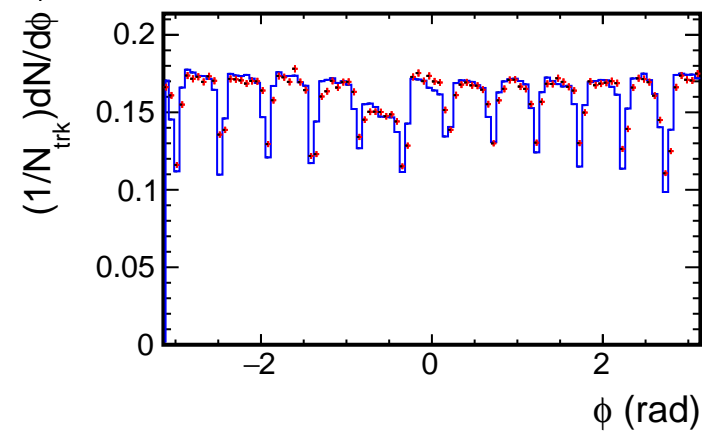
— pi-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Projection of ϕ for each p_T bin

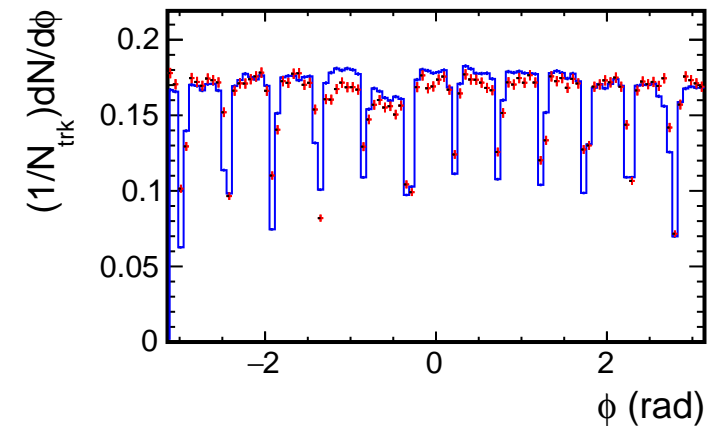
$p_T < 0.5$ (GeV/c)



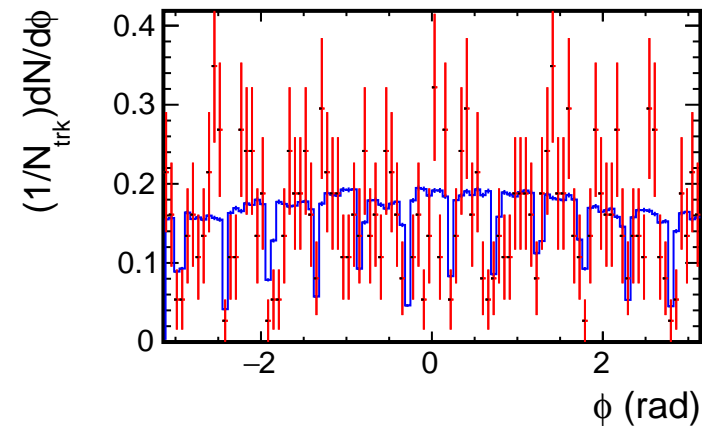
$p_T < 1.0$ (GeV/c)



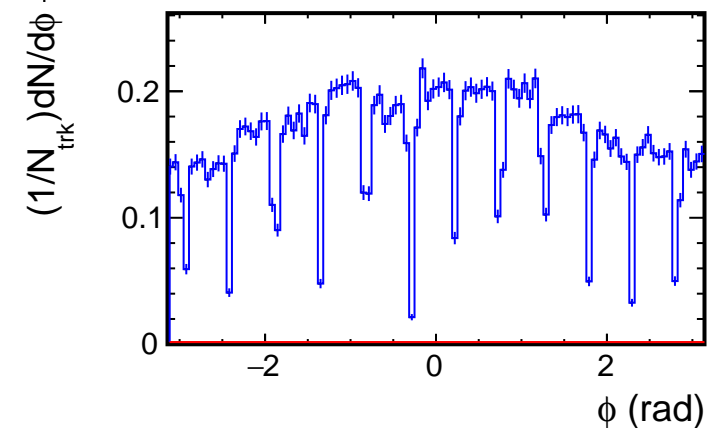
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



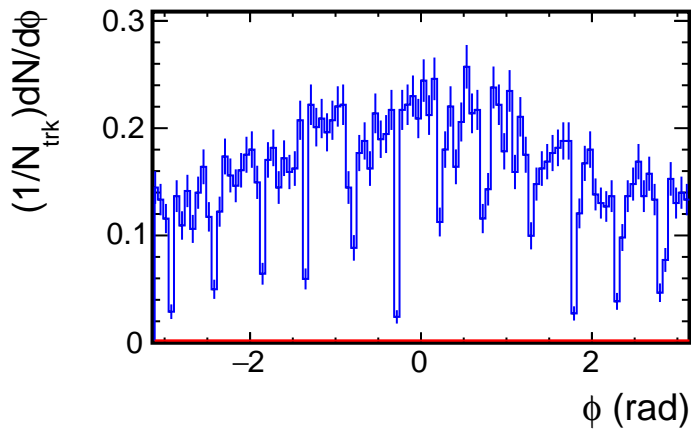
$p_T < 2.5$ (GeV/c)



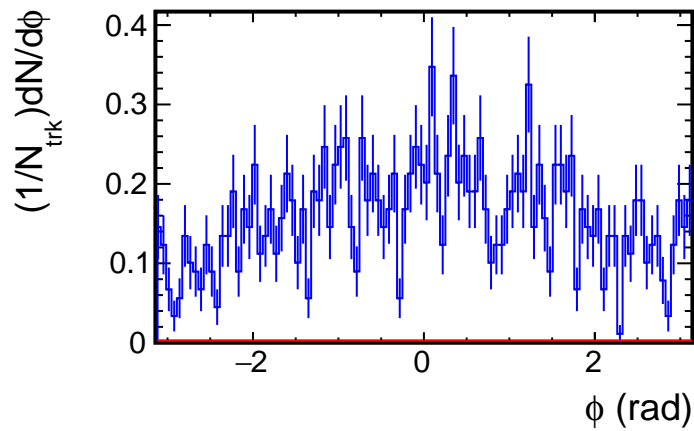
- Daughter proton (from He4Lambda)
(CONTAM, geantid=14)
- proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Projection of ϕ for each p_T bin

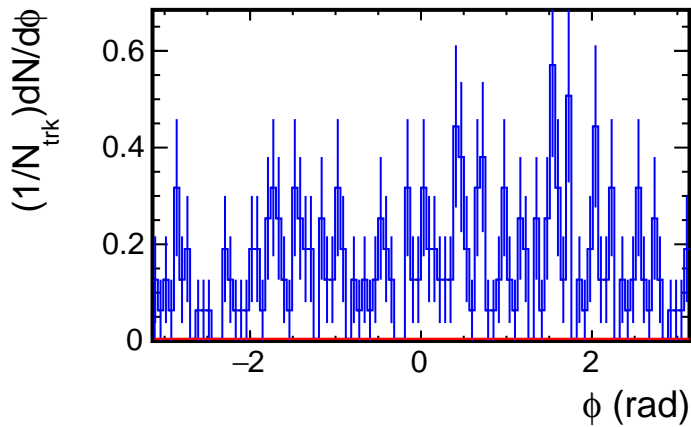
$p_T < 3.0$ (GeV/c)



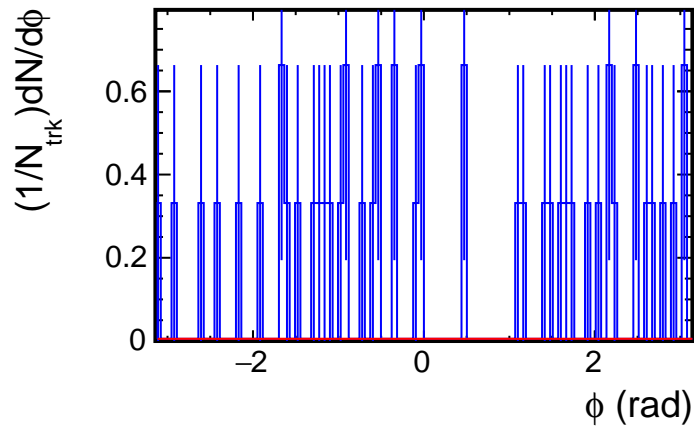
$p_T < 3.5$ (GeV/c)



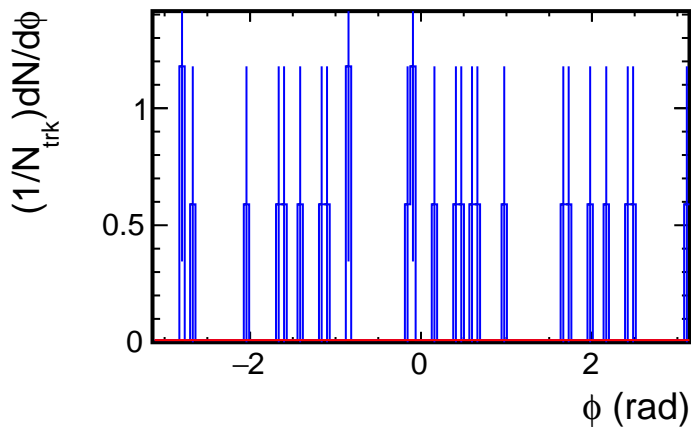
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



$p_T < 5.0$ (GeV/c)

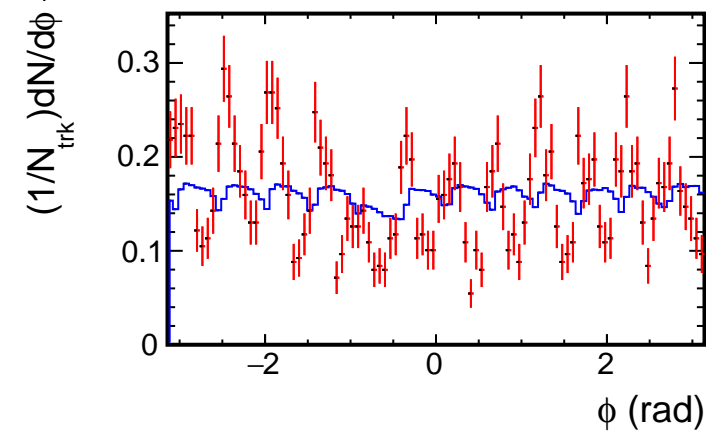


— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

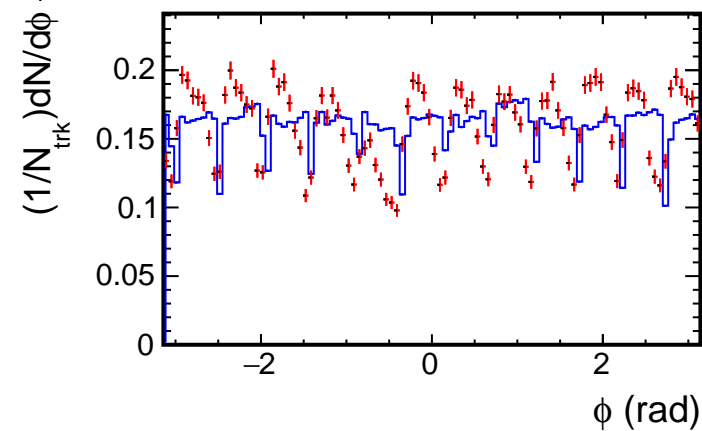
— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Projection of ϕ for each p_T bin

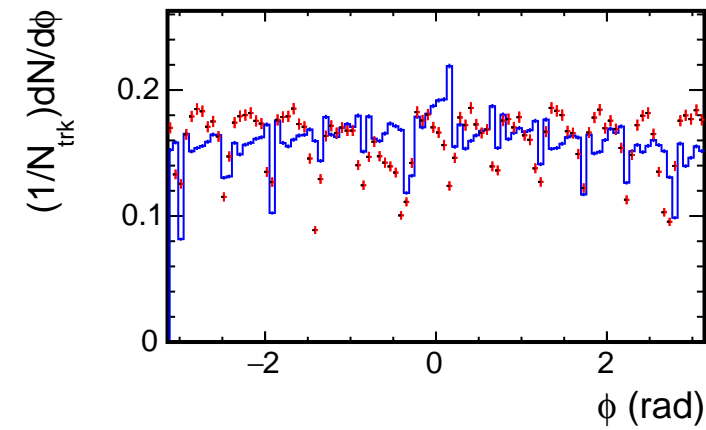
$p_T < 0.5$ (GeV/c)



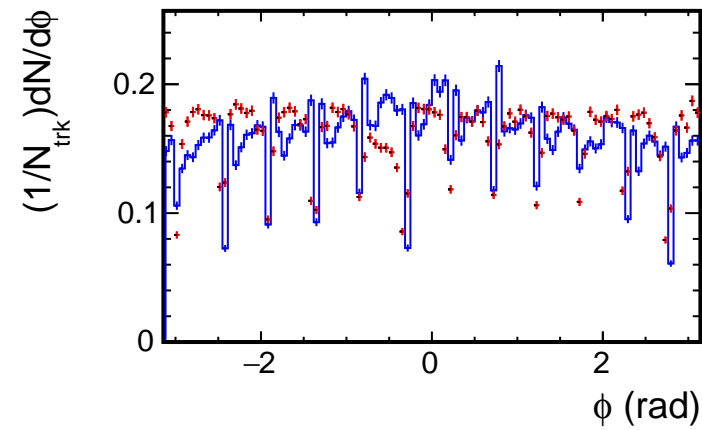
$p_T < 1.0$ (GeV/c)



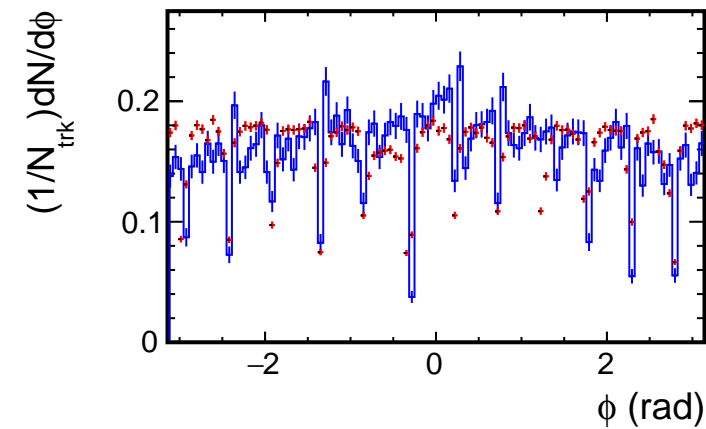
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



$p_T < 2.5$ (GeV/c)

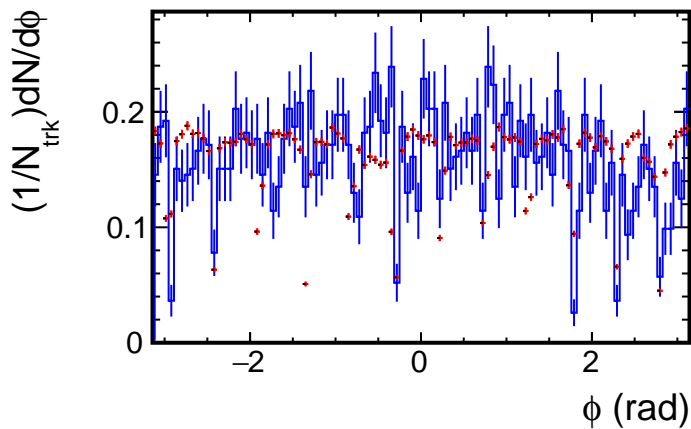


— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

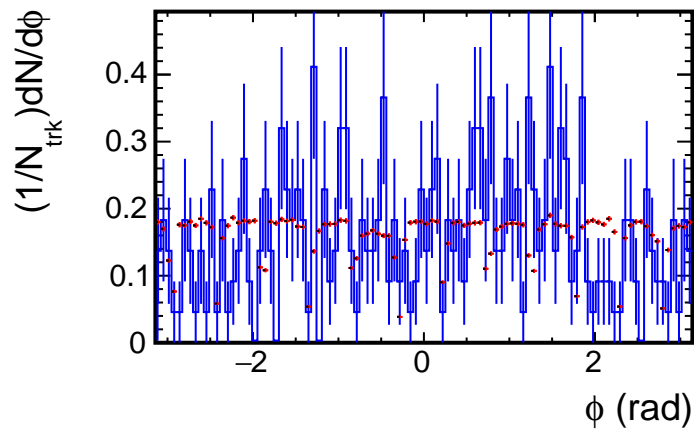
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Projection of ϕ for each p_T bin

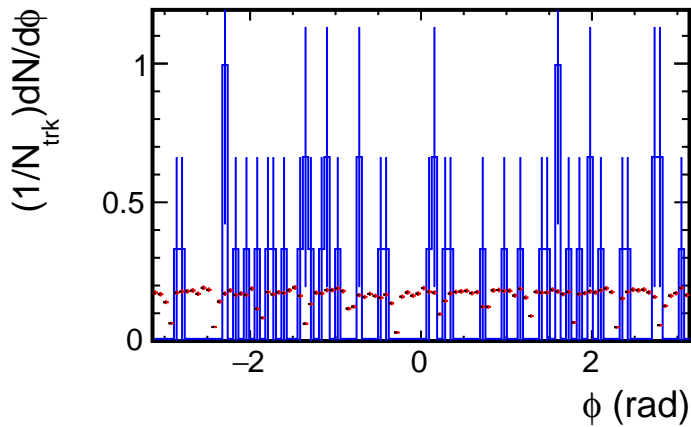
$p_T < 3.0$ (GeV/c)



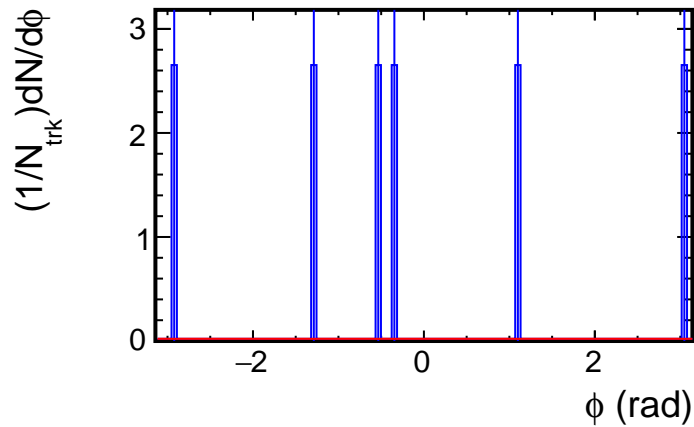
$p_T < 3.5$ (GeV/c)



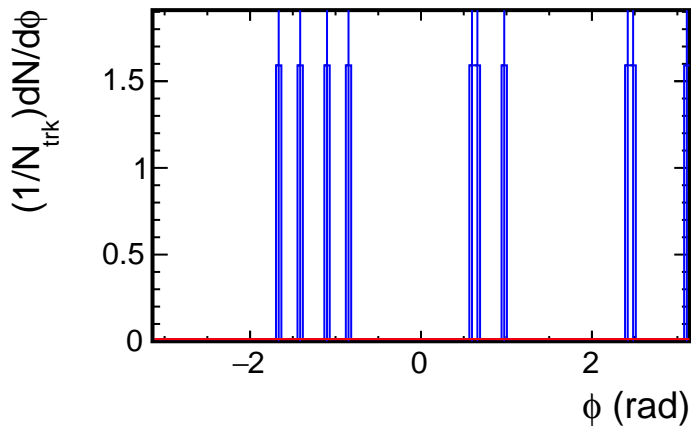
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



$p_T < 5.0$ (GeV/c)

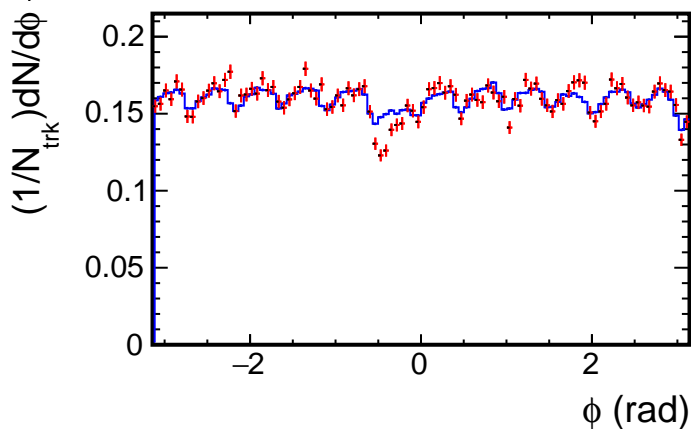


— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

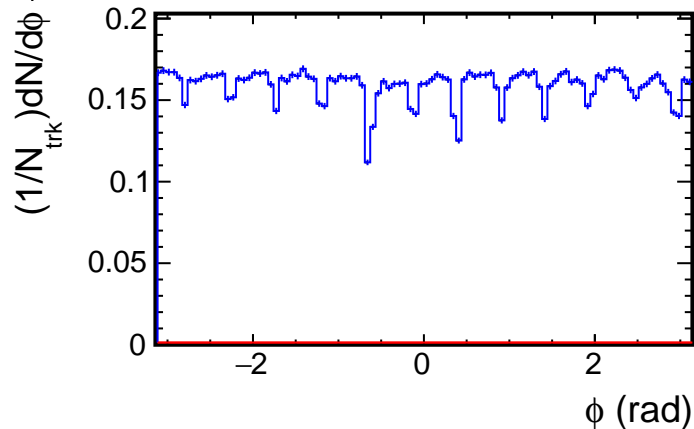
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Projection of ϕ for each p_T bin

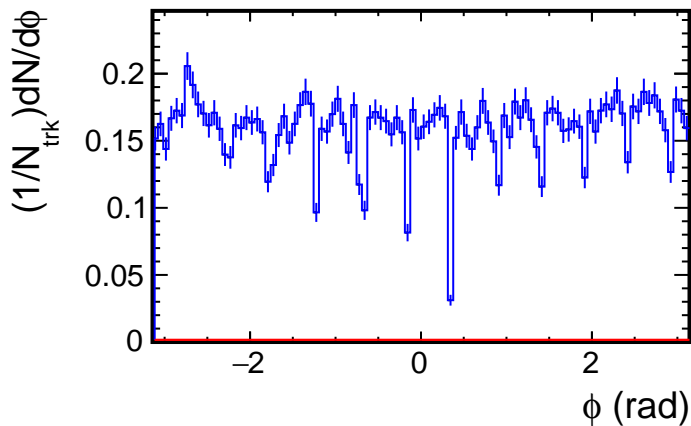
$p_T < 0.5$ (GeV/c)



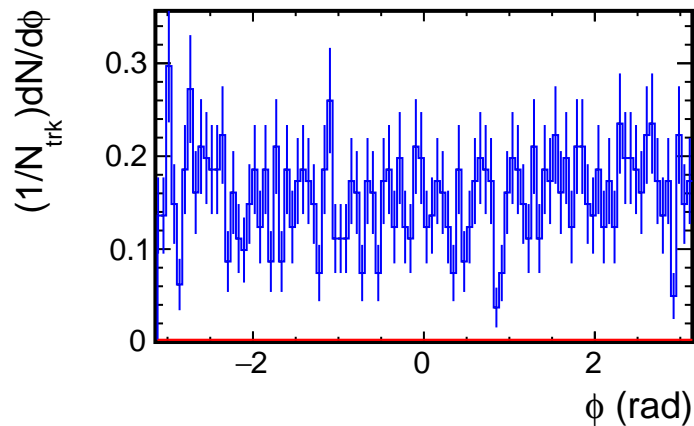
$p_T < 1.0$ (GeV/c)



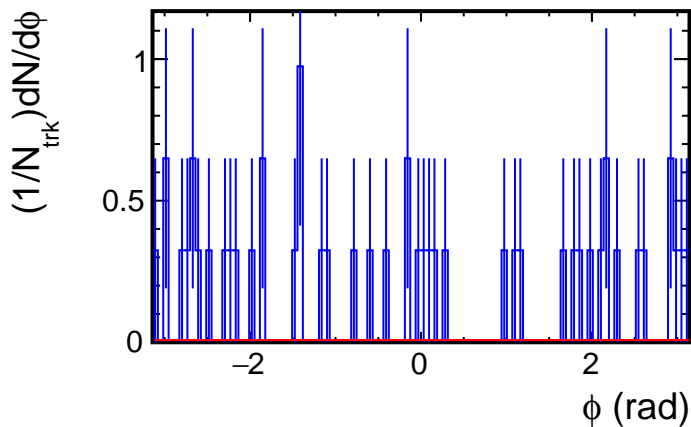
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



$p_T < 2.5$ (GeV/c)

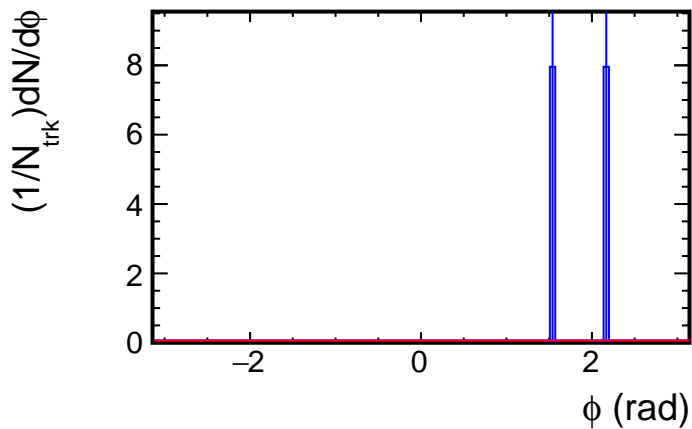


— Daughter pi- (from He4Lambda)
(CONTAM, geantid=9)

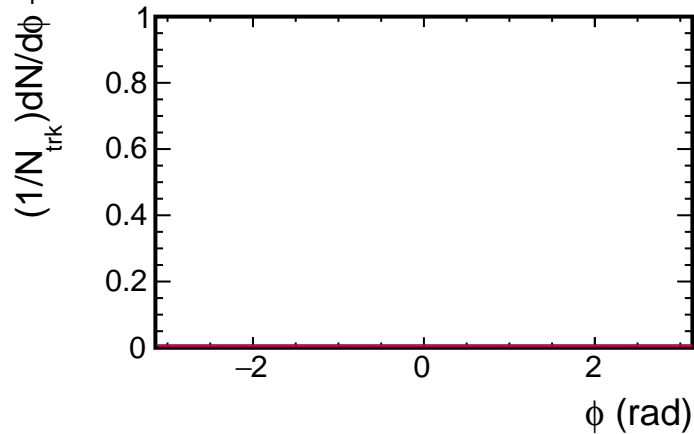
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

Projection of ϕ for each p_T bin

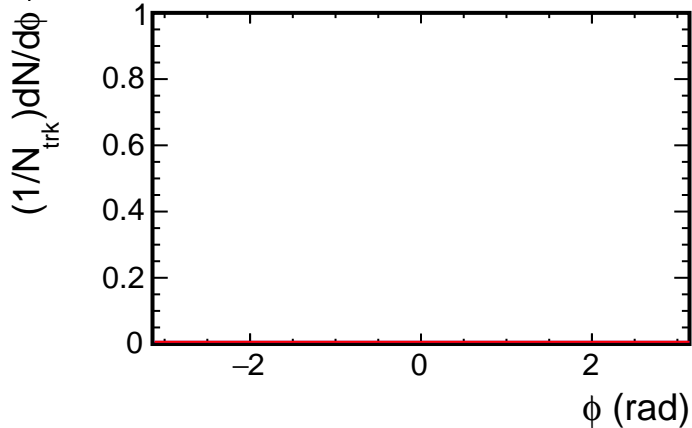
$p_T < 3.0$ (GeV/c)



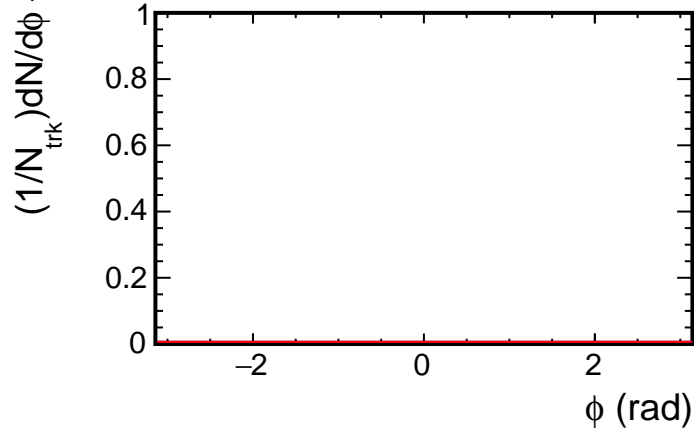
$p_T < 3.5$ (GeV/c)



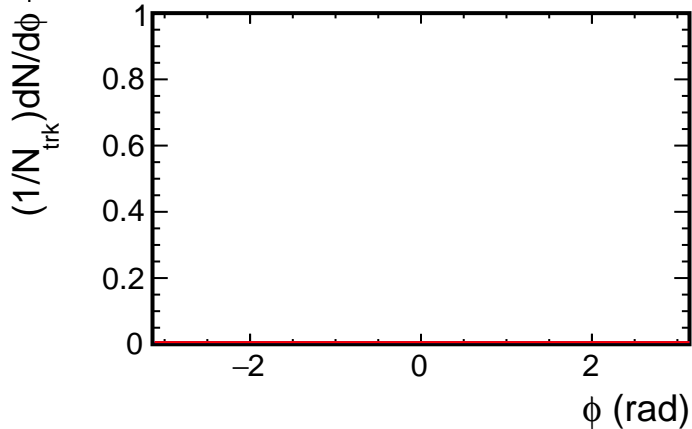
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



$p_T < 5.0$ (GeV/c)

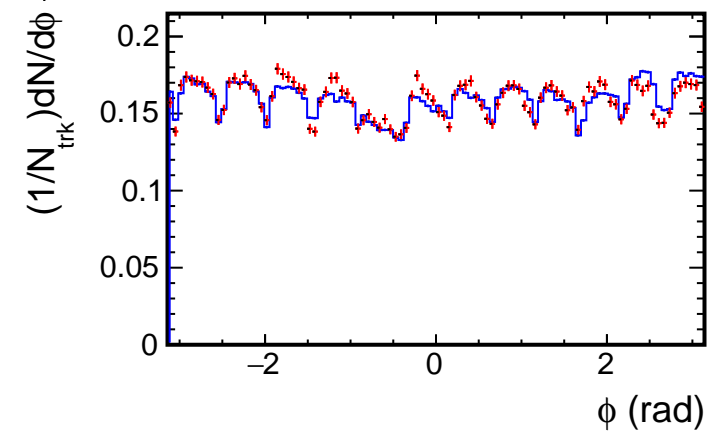


— Daughter pi- (from He4Lambda)
(CONTAM, geantid=9)

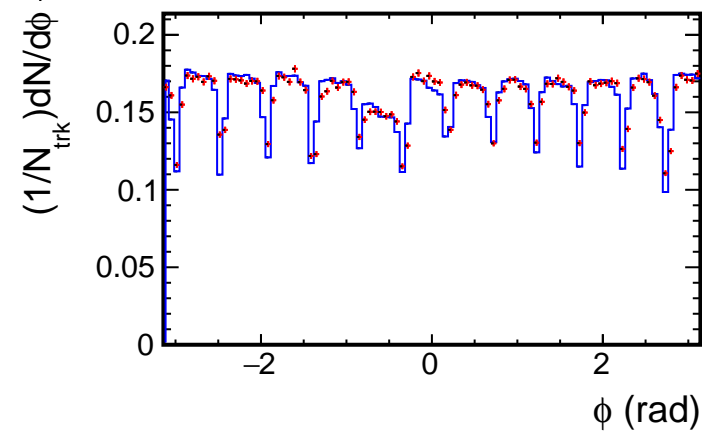
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

Projection of ϕ for each p_T bin

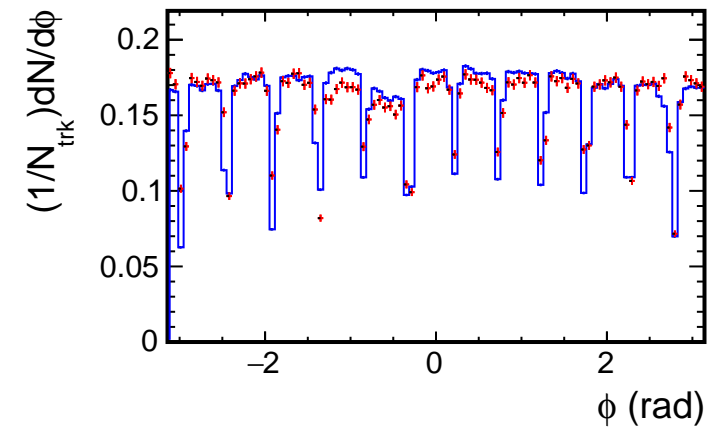
$p_T < 0.5$ (GeV/c)



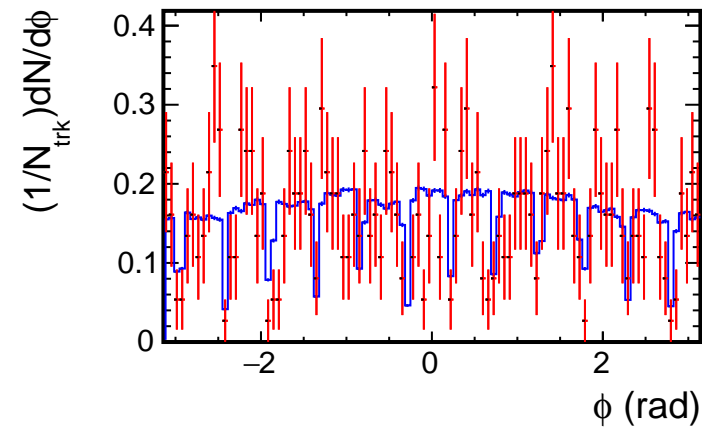
$p_T < 1.0$ (GeV/c)



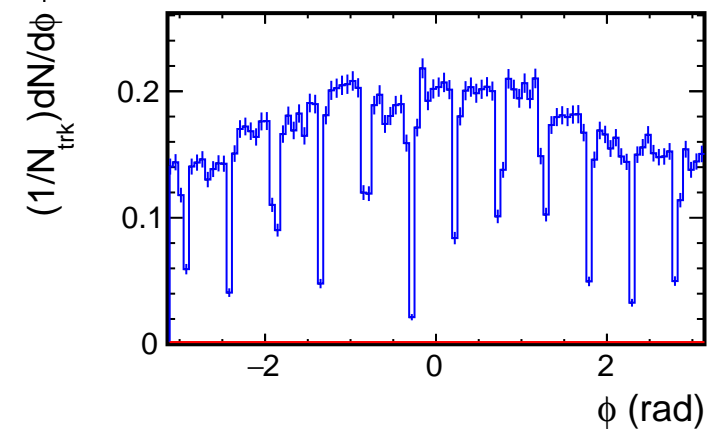
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



$p_T < 2.5$ (GeV/c)

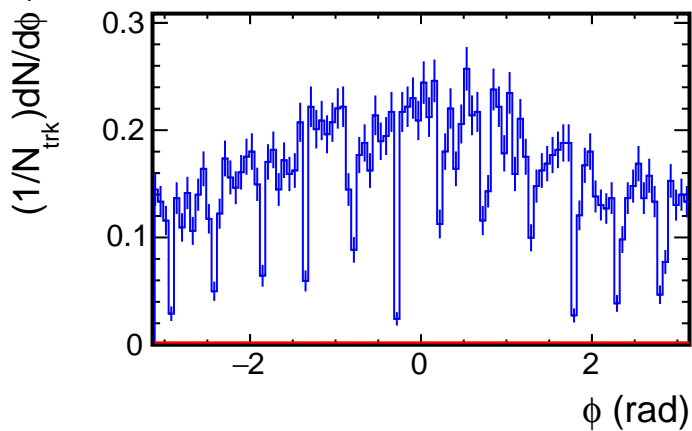


— Daughter proton (from He4Lambda)
 (CONTAM, geantid=14)

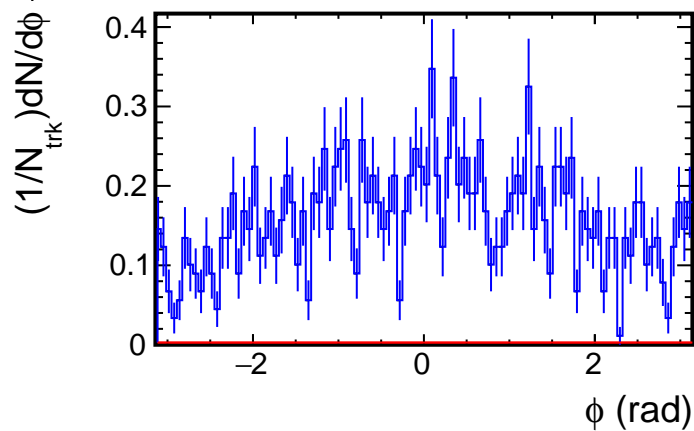
— proton
 (PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Projection of ϕ for each p_T bin

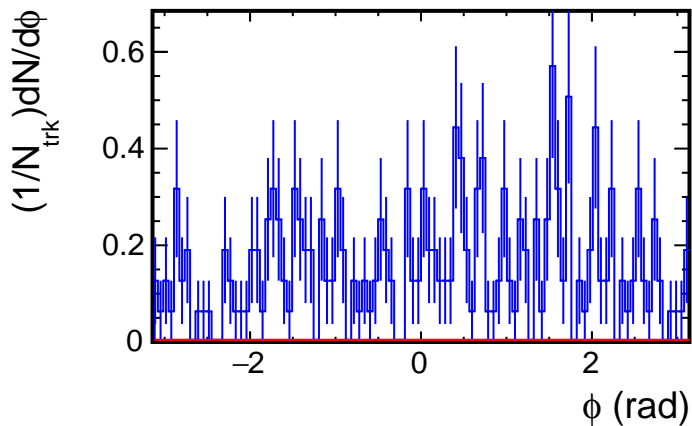
$p_T < 3.0$ (GeV/c)



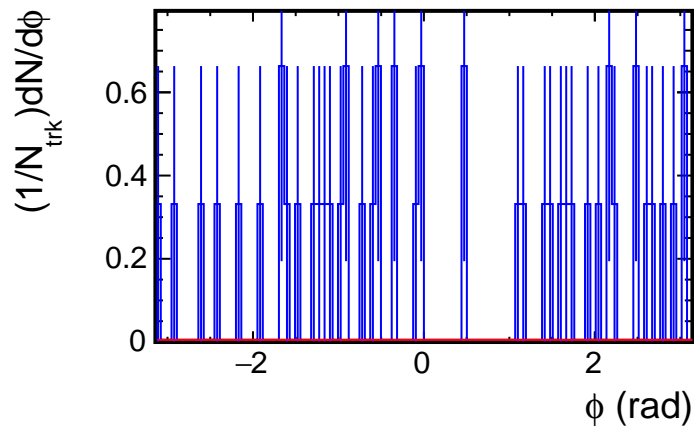
$p_T < 3.5$ (GeV/c)



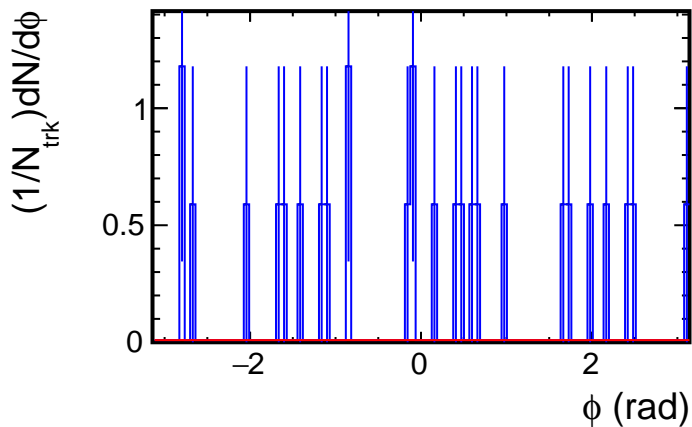
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



$p_T < 5.0$ (GeV/c)

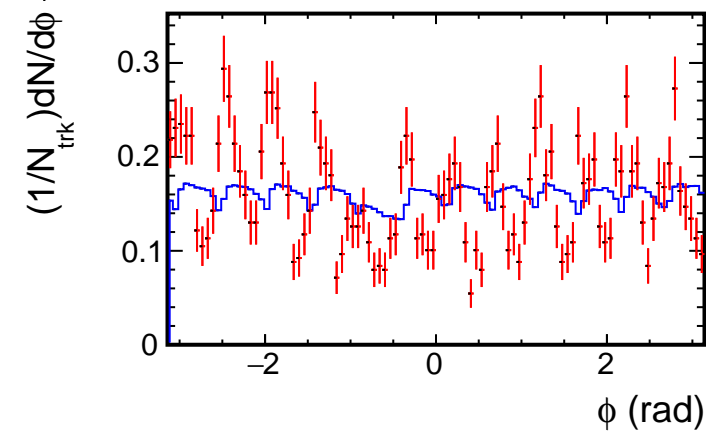


— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

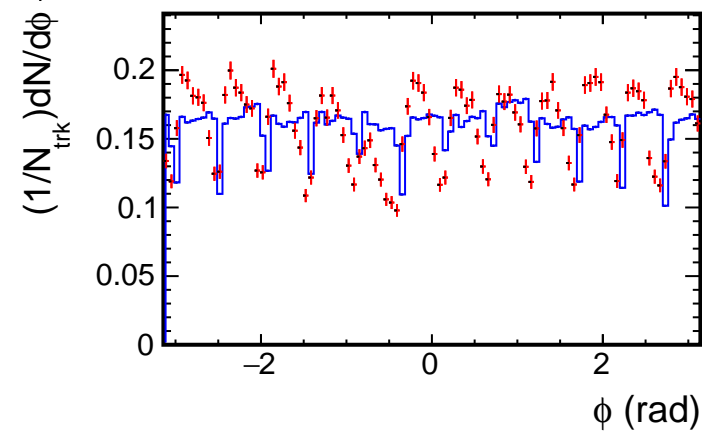
— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Projection of ϕ for each p_T bin

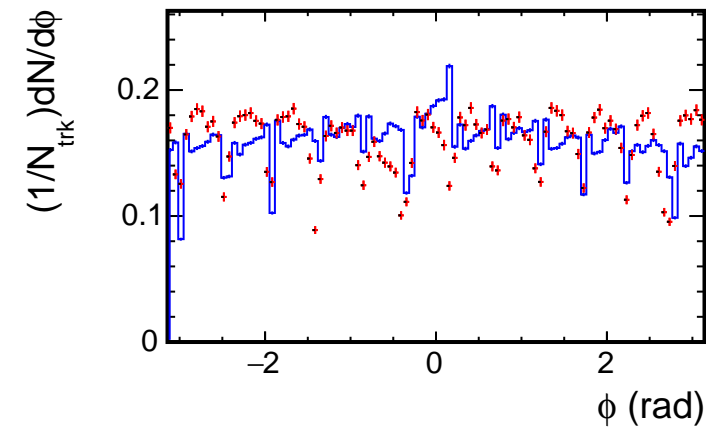
$p_T < 0.5$ (GeV/c)



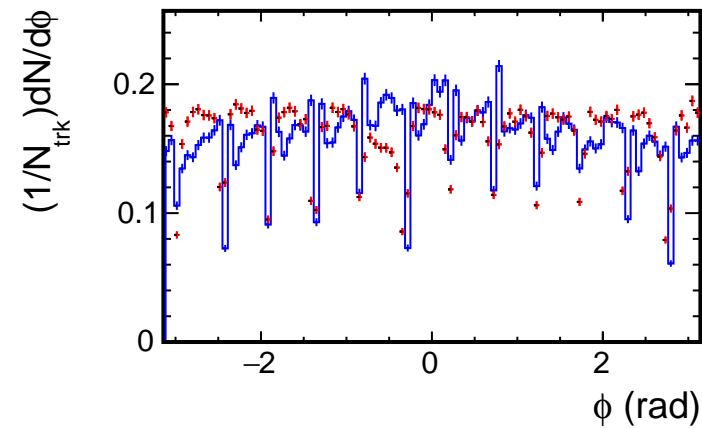
$p_T < 1.0$ (GeV/c)



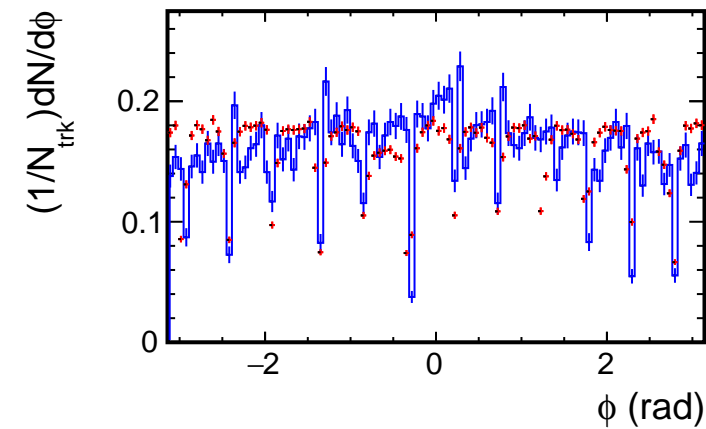
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



$p_T < 2.5$ (GeV/c)

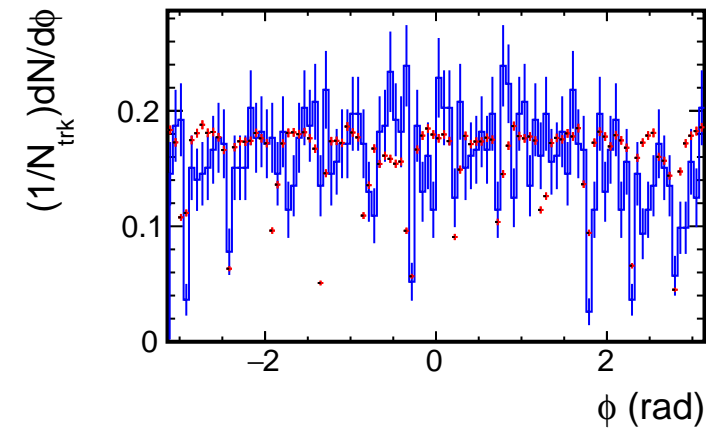


— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

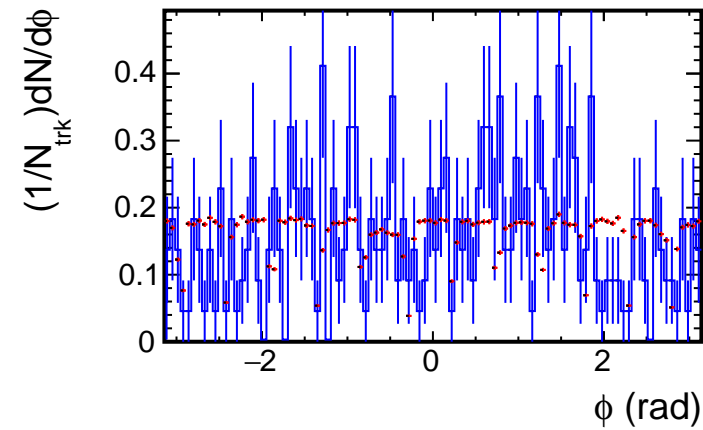
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Projection of ϕ for each p_T bin

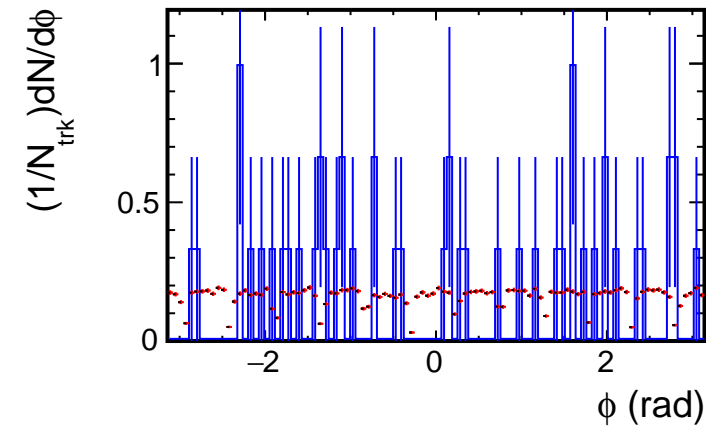
$p_T < 3.0$ (GeV/c)



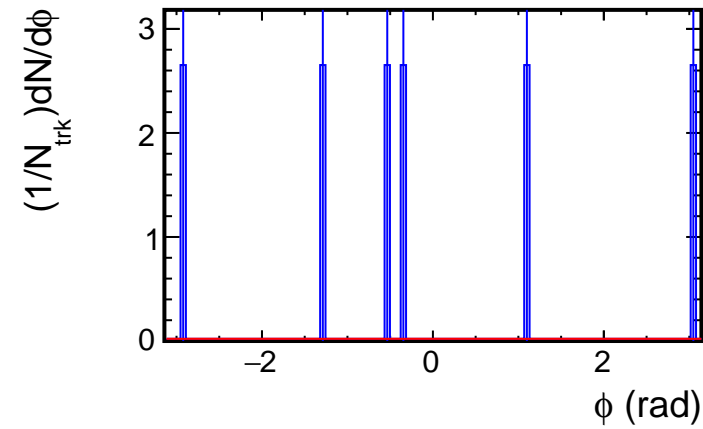
$p_T < 3.5$ (GeV/c)



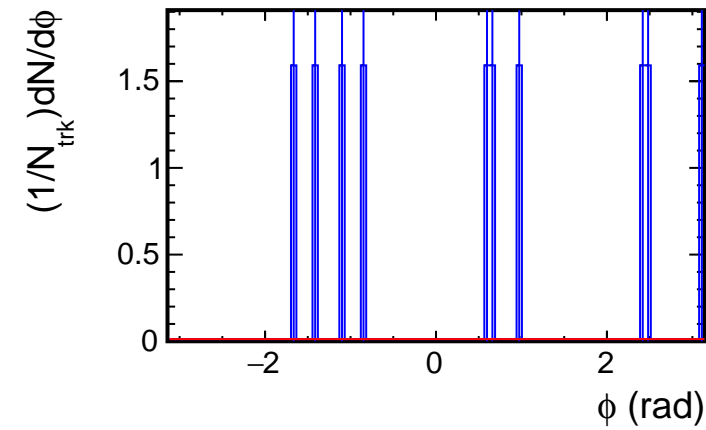
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



$p_T < 5.0$ (GeV/c)

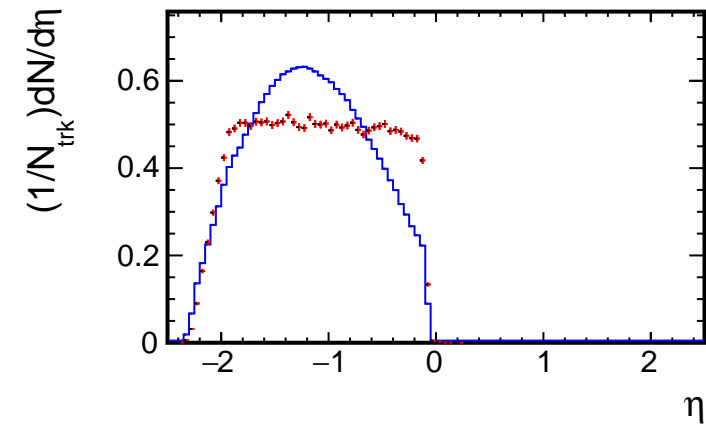


— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

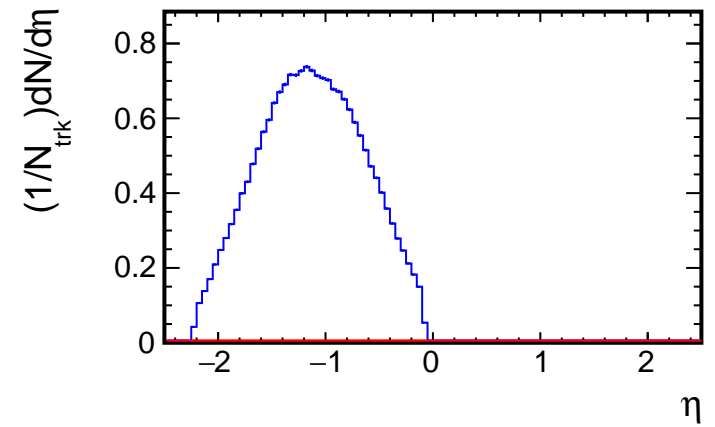
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Projection of η for each p_T bin

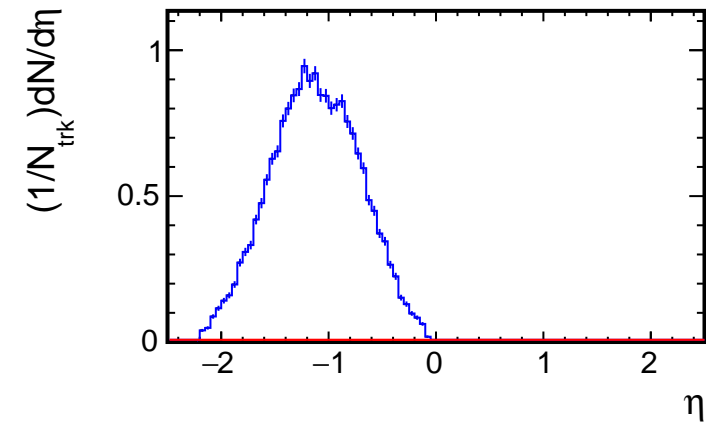
$p_T < 0.5$ (GeV/c)



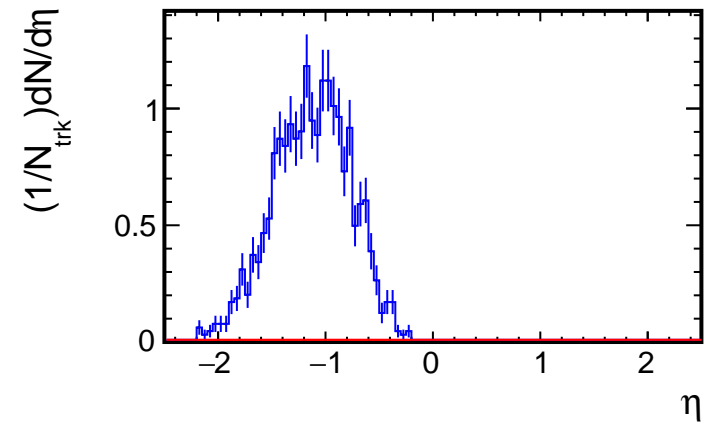
$p_T < 1.0$ (GeV/c)



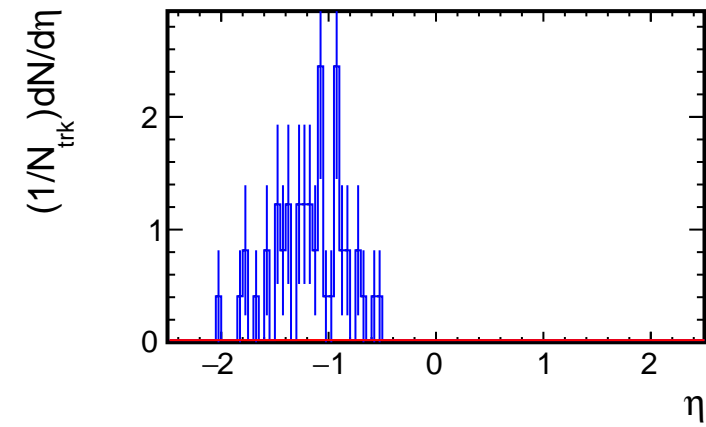
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



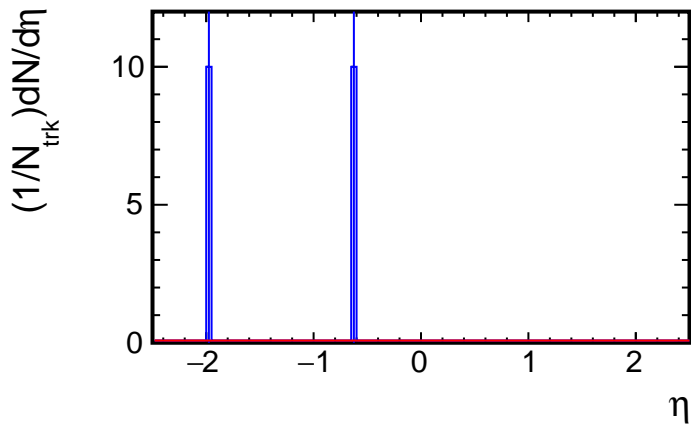
$p_T < 2.5$ (GeV/c)



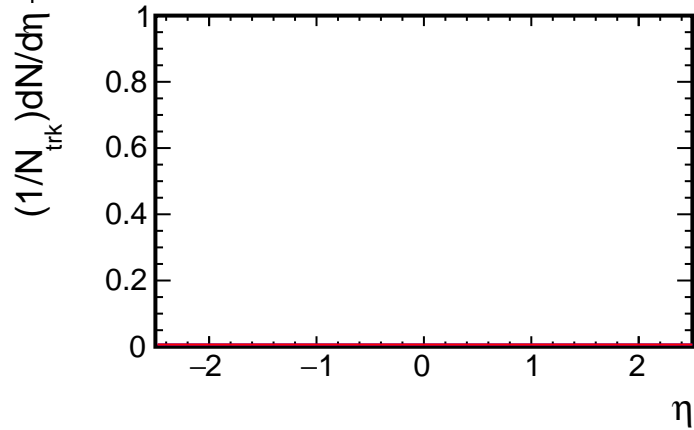
- Daughter pi- (from He4Lambda)
(CONTAM, geantid=9)
- pi-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Projection of η for each p_T bin

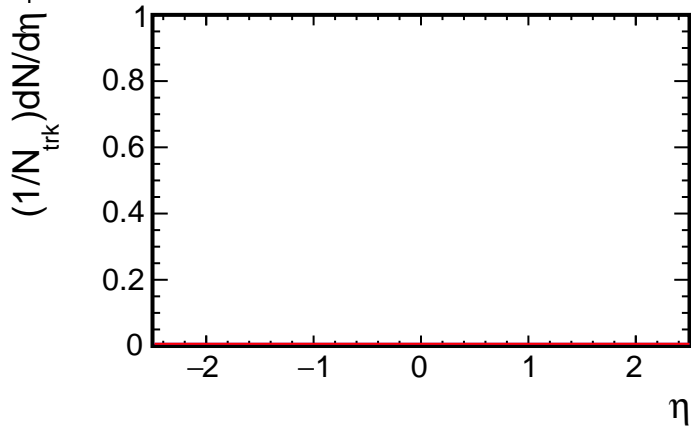
$p_T < 3.0$ (GeV/c)



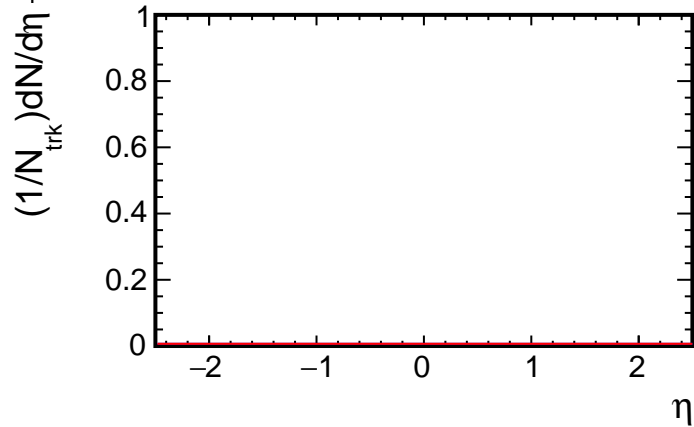
$p_T < 3.5$ (GeV/c)



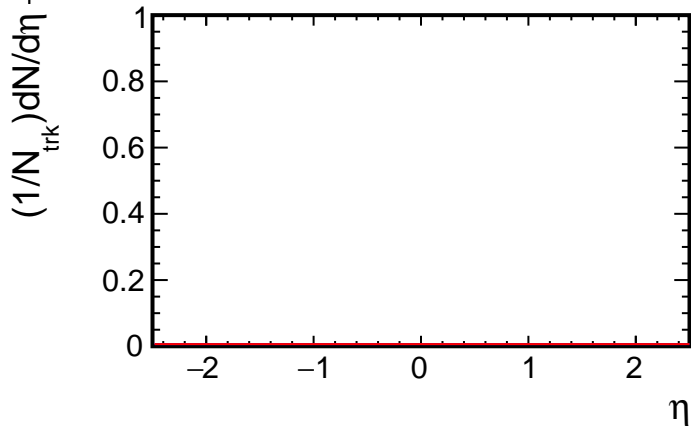
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



$p_T < 5.0$ (GeV/c)

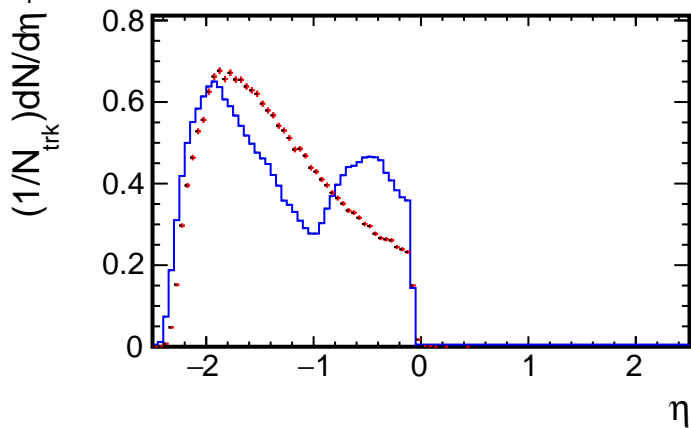


— Daughter pi- (from He4Lambda)
(CONTAM, geantid=9)

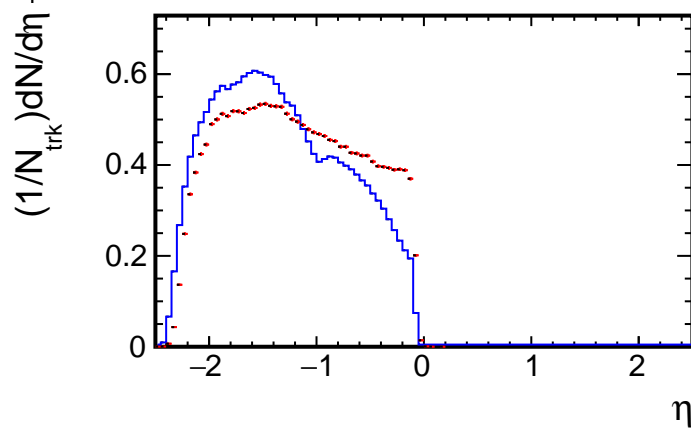
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

Projection of η for each p_T bin

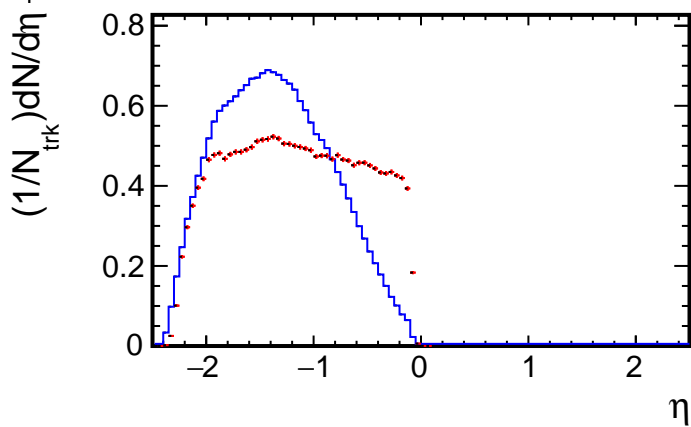
$p_T < 0.5$ (GeV/c)



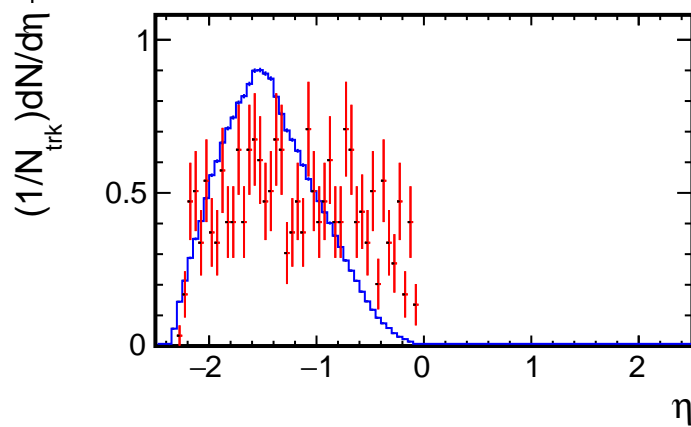
$p_T < 1.0$ (GeV/c)



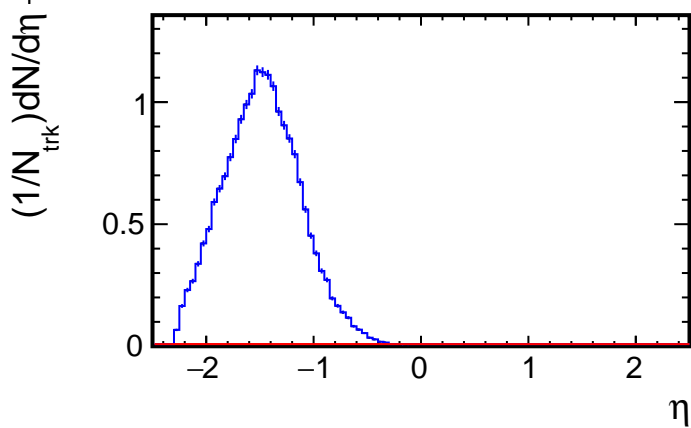
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



$p_T < 2.5$ (GeV/c)

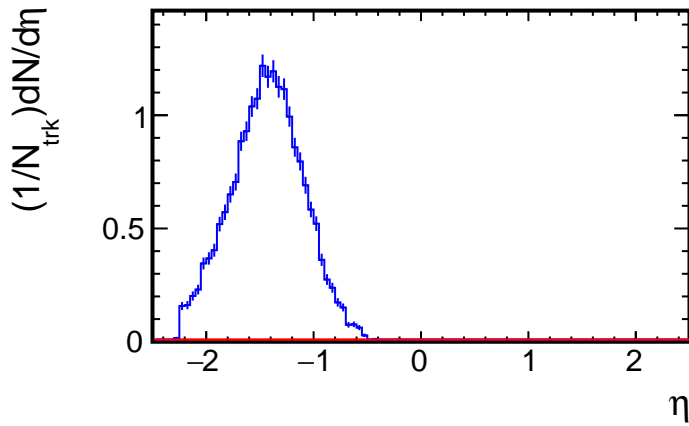


— Daughter proton (from He4Lambda)
 (CONTAM, geantid=14)

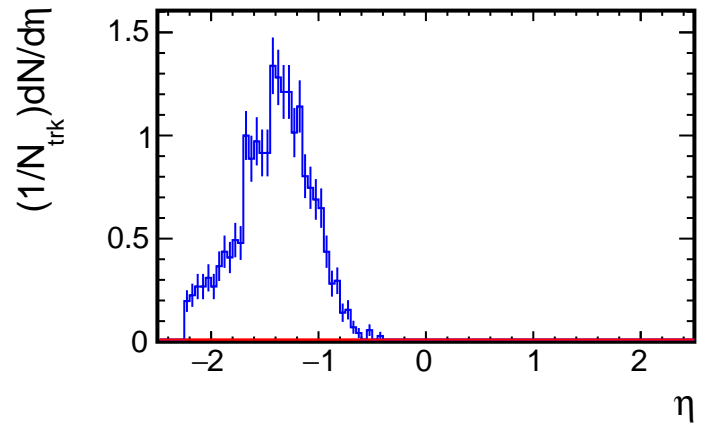
— proton
 (PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Projection of η for each p_T bin

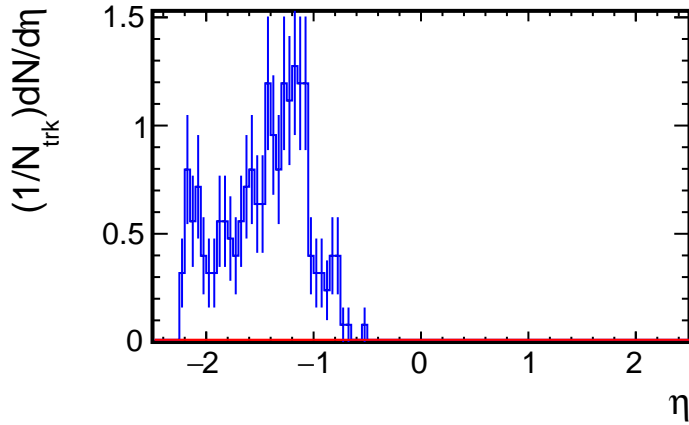
$p_T < 3.0$ (GeV/c)



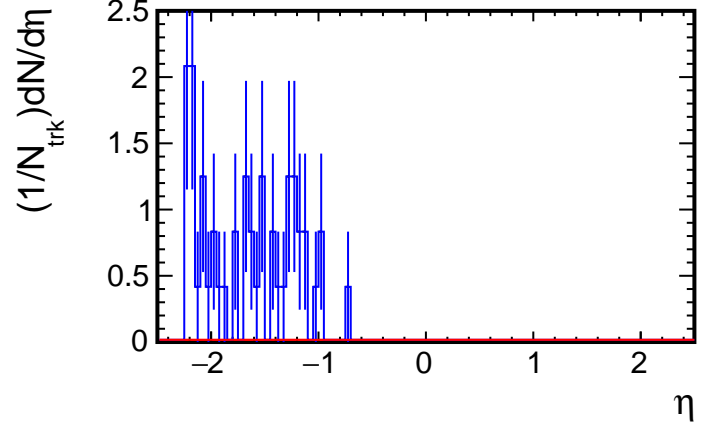
$p_T < 3.5$ (GeV/c)



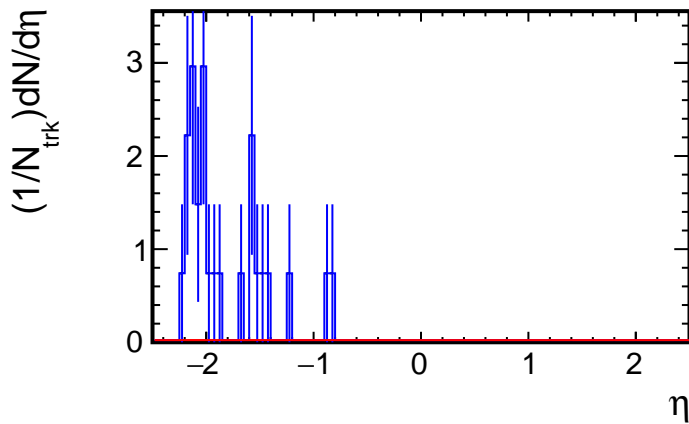
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



$p_T < 5.0$ (GeV/c)

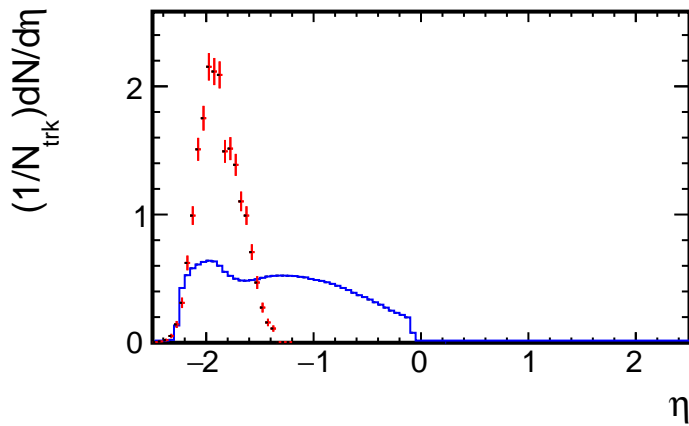


— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

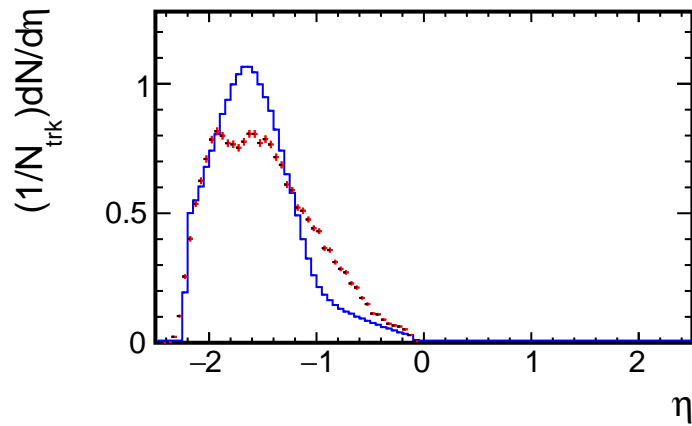
— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Projection of η for each p_T bin

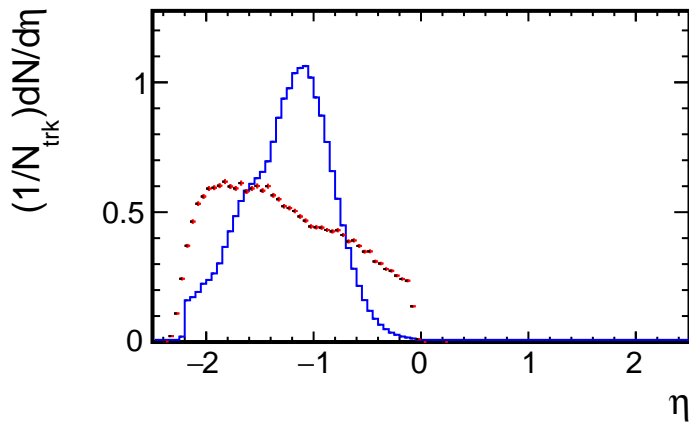
$p_T < 0.5$ (GeV/c)



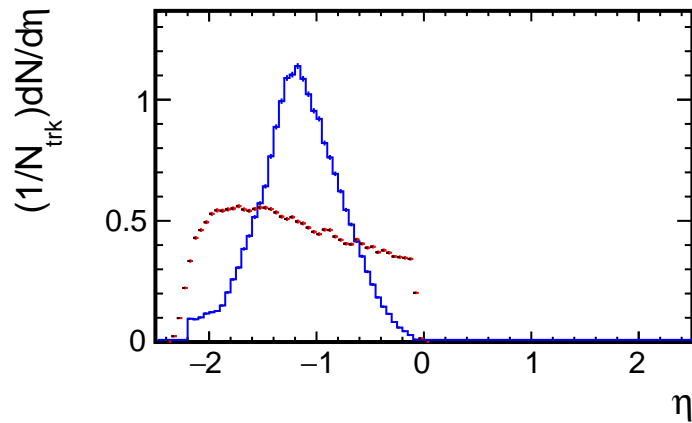
$p_T < 1.0$ (GeV/c)



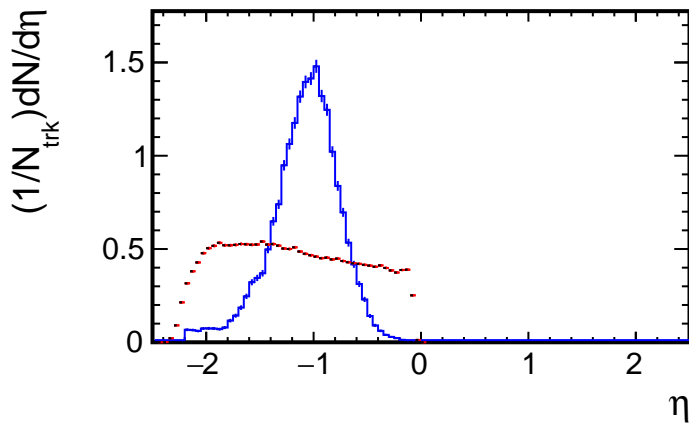
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



$p_T < 2.5$ (GeV/c)

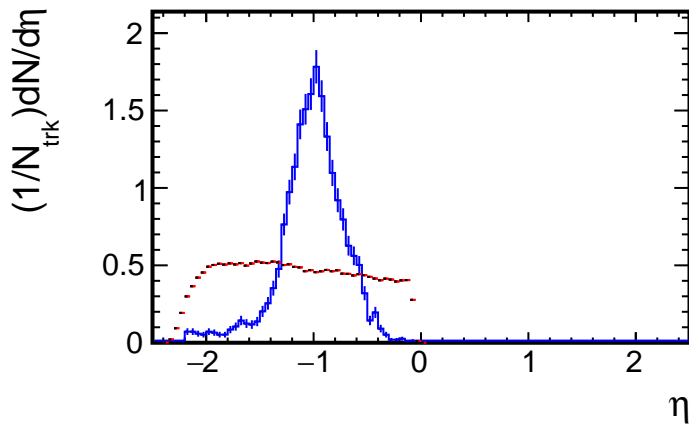


— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

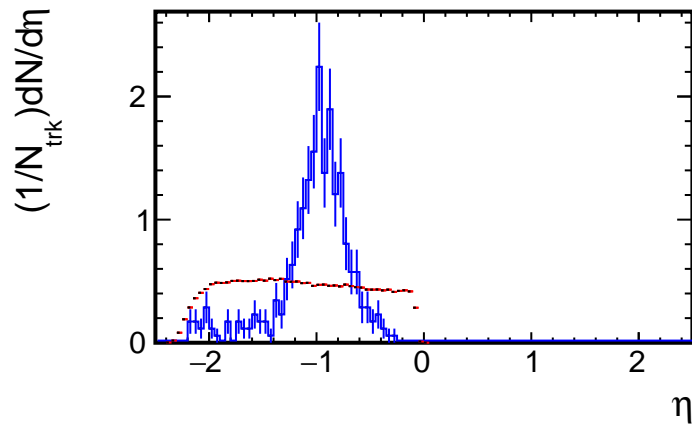
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Projection of η for each p_T bin

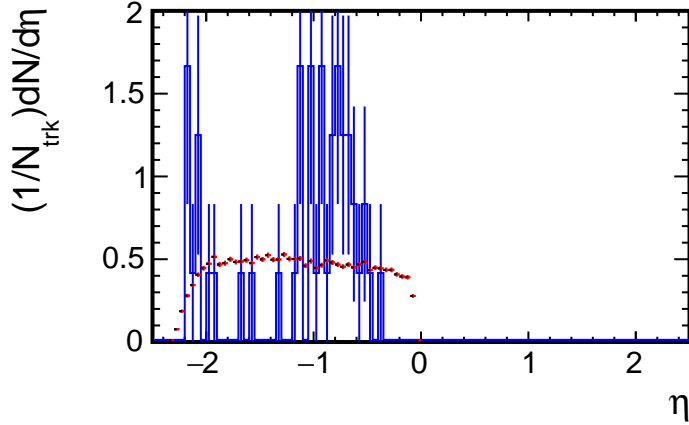
$p_T < 3.0$ (GeV/c)



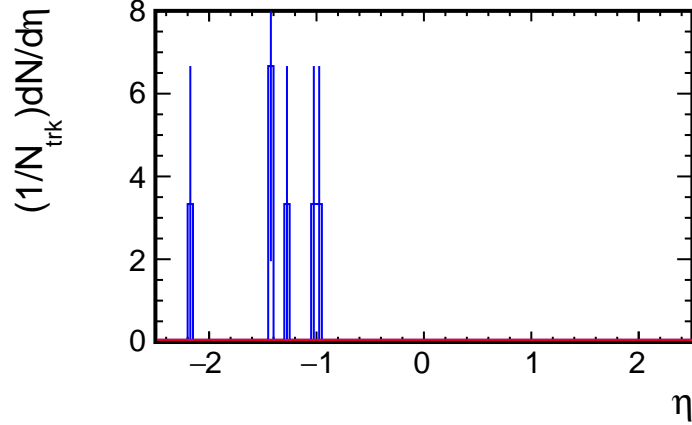
$p_T < 3.5$ (GeV/c)



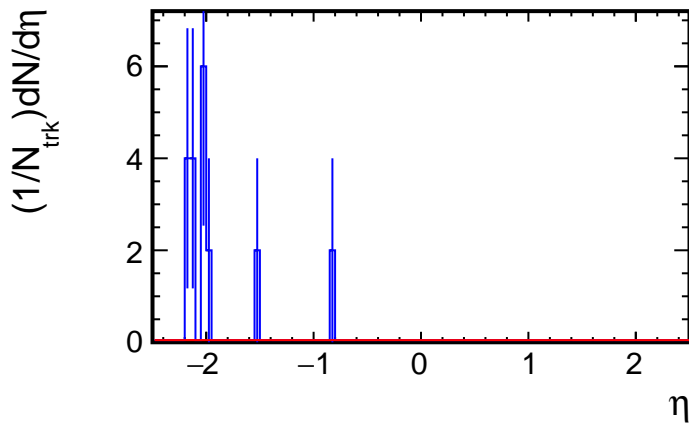
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



$p_T < 5.0$ (GeV/c)

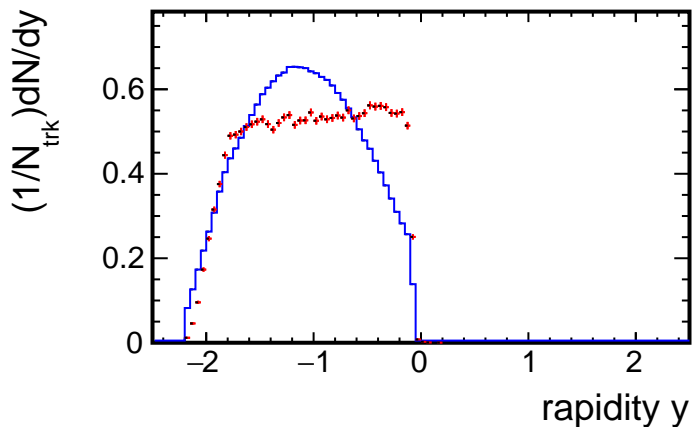


— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

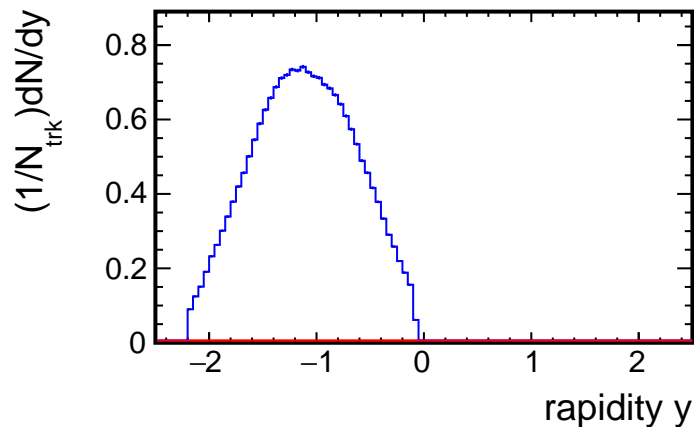
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Projection of y for each p_T bin

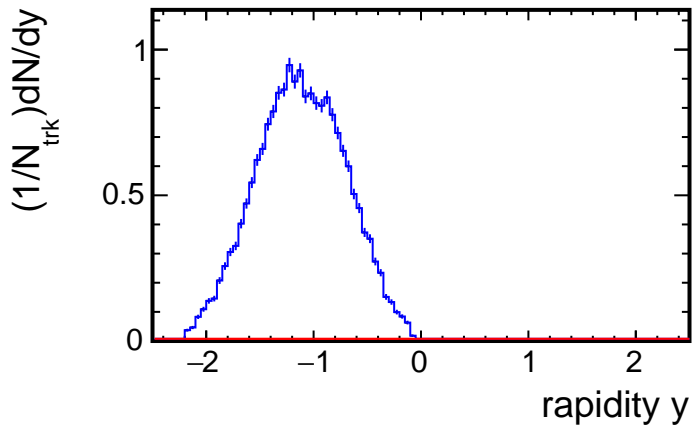
$p_T < 0.5$ (GeV/c)



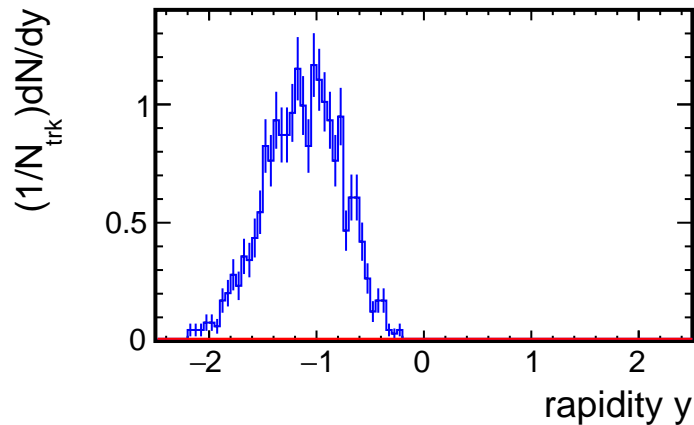
$p_T < 1.0$ (GeV/c)



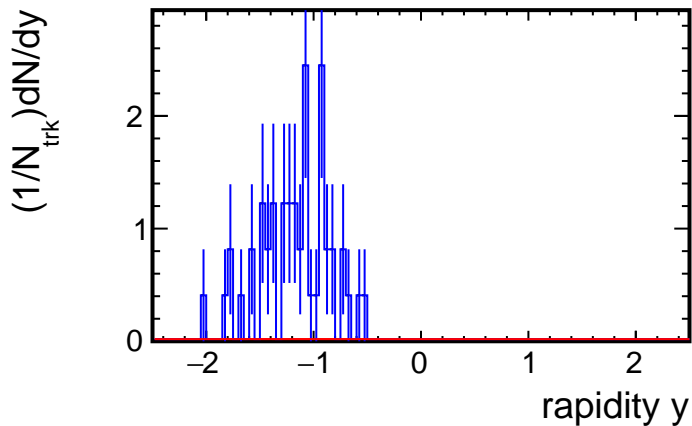
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



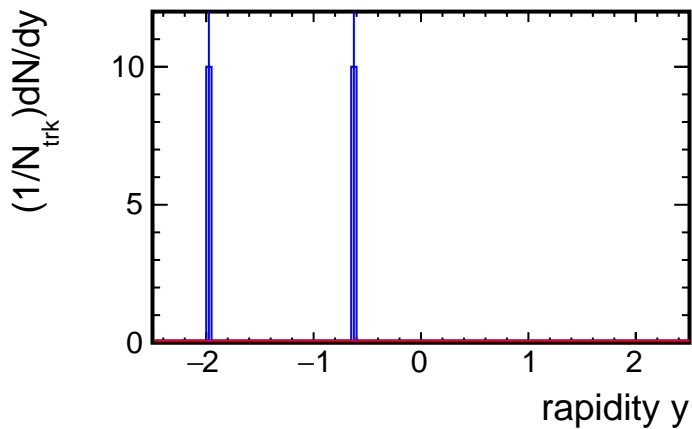
$p_T < 2.5$ (GeV/c)



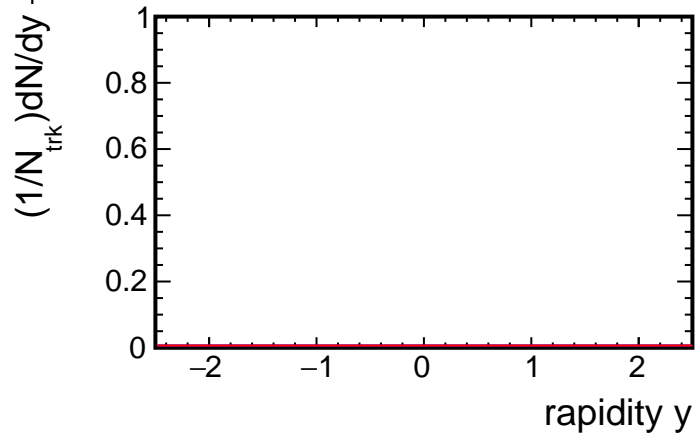
- Daughter π^- (from He4Lambda)
(CONTAM, geantid=9)
- π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Projection of y for each p_T bin

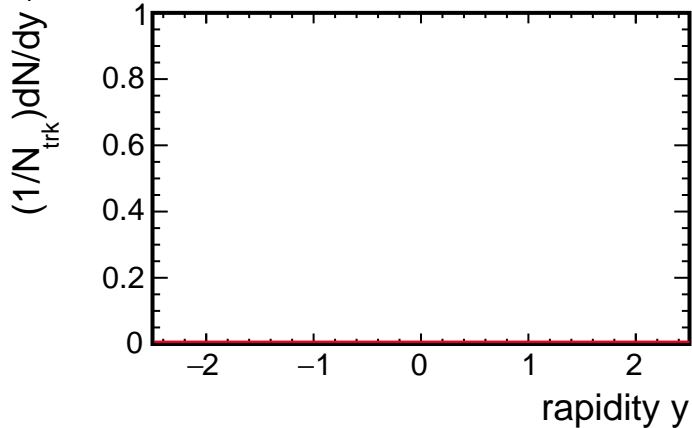
$p_T < 3.0$ (GeV/c)



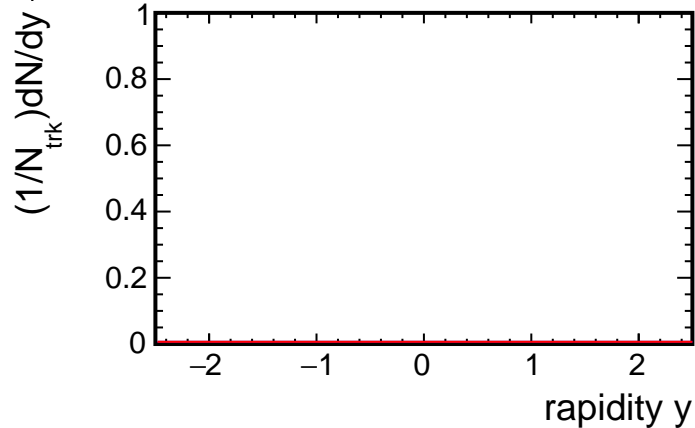
$p_T < 3.5$ (GeV/c)



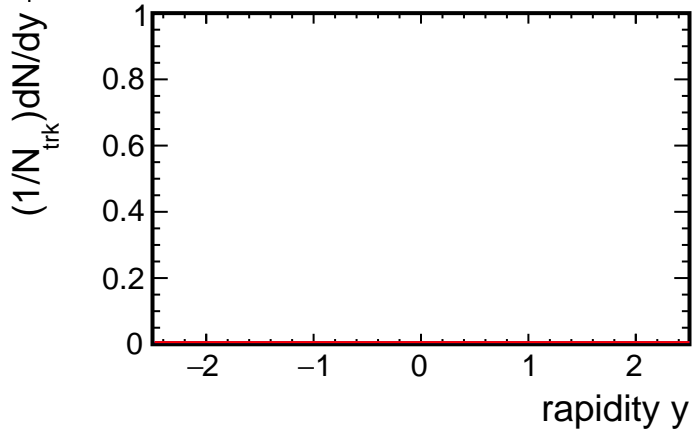
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



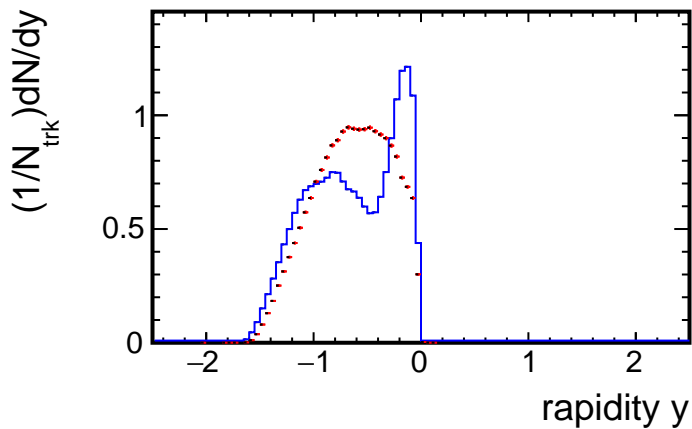
$p_T < 5.0$ (GeV/c)



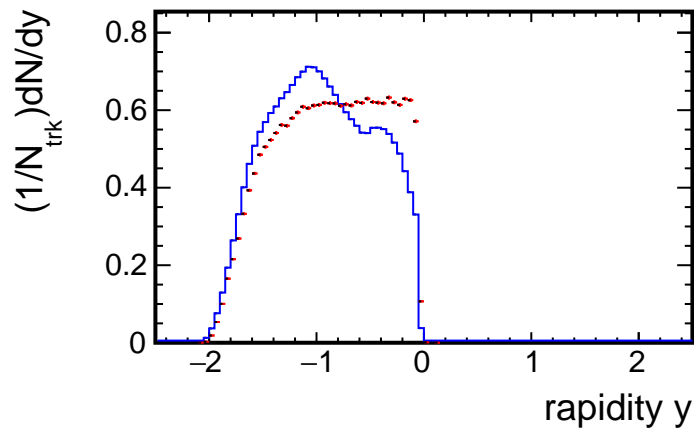
- Daughter pi- (from He4Lambda)
(CONTAM, geantid=9)
- pi-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Projection of y for each p_T bin

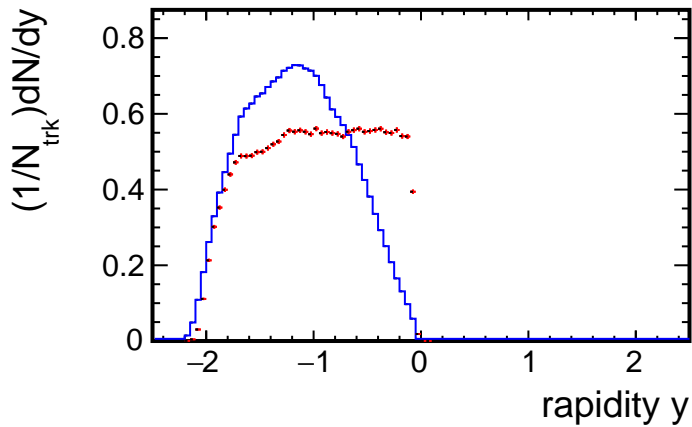
$p_T < 0.5$ (GeV/c)



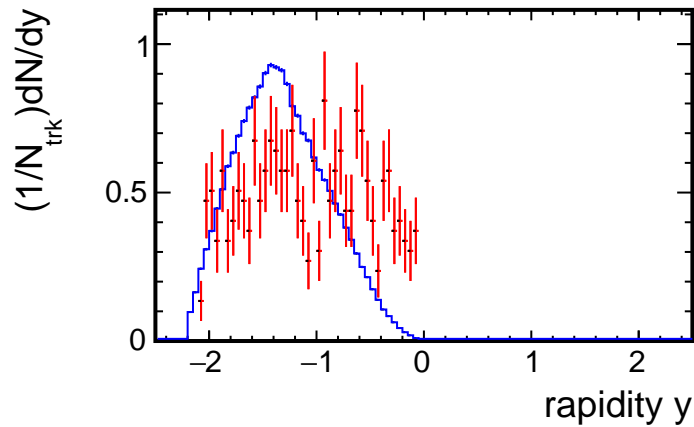
$p_T < 1.0$ (GeV/c)



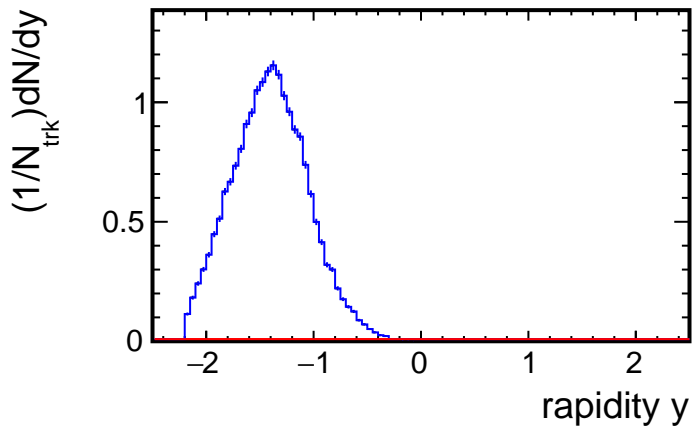
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



$p_T < 2.5$ (GeV/c)

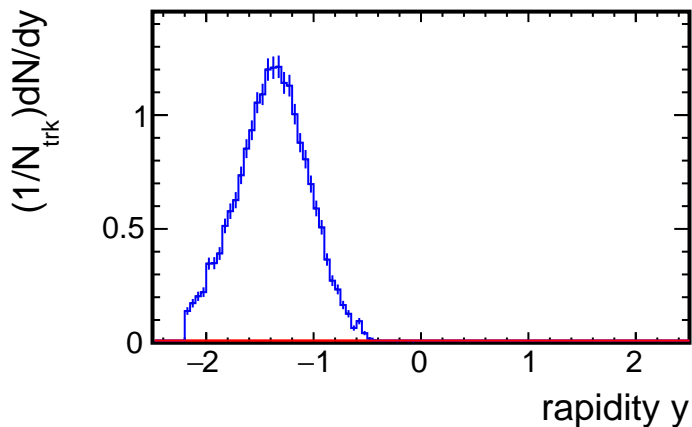


— Daughter proton (from He4Lambda)
 (CONTAM, geantid=14)

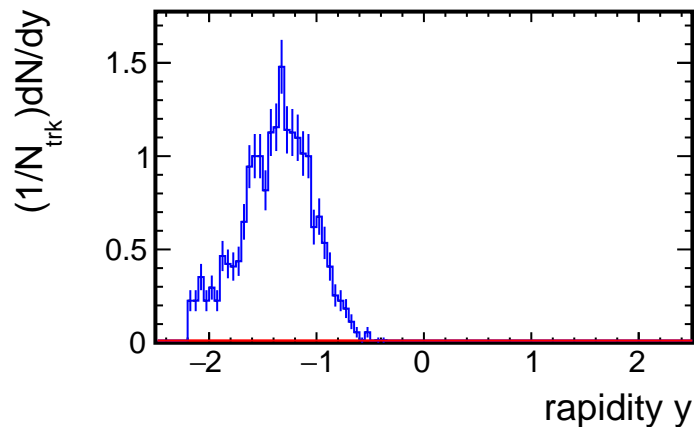
— proton
 (PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Projection of y for each p_T bin

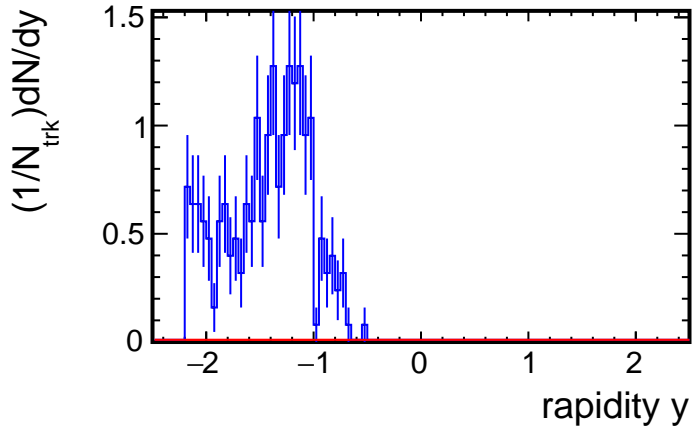
$p_T < 3.0$ (GeV/c)



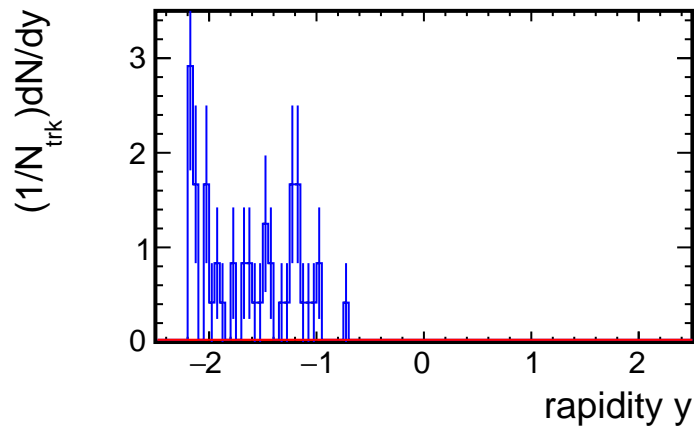
$p_T < 3.5$ (GeV/c)



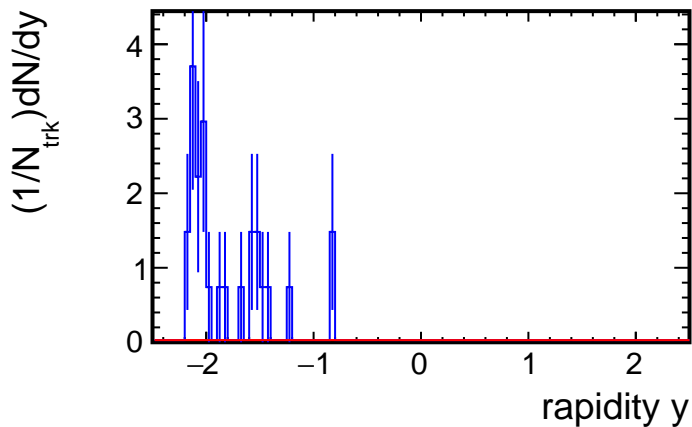
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



$p_T < 5.0$ (GeV/c)

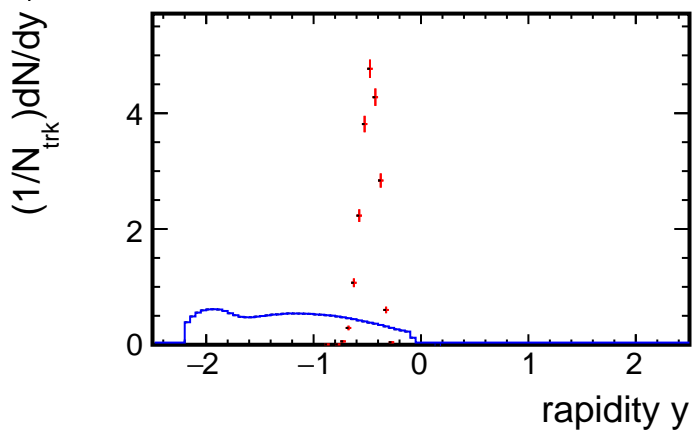


— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

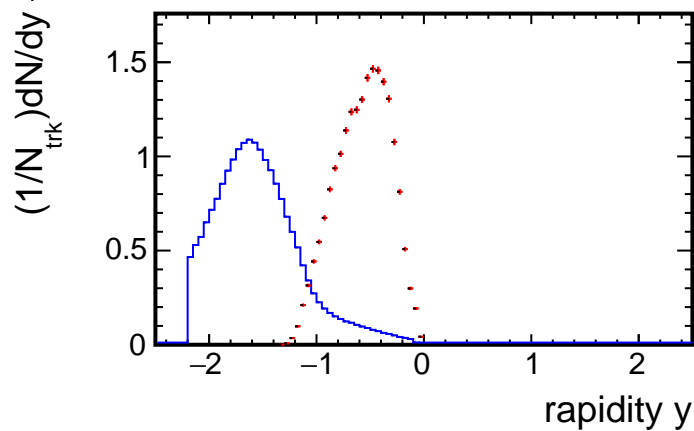
— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Projection of y for each p_T bin

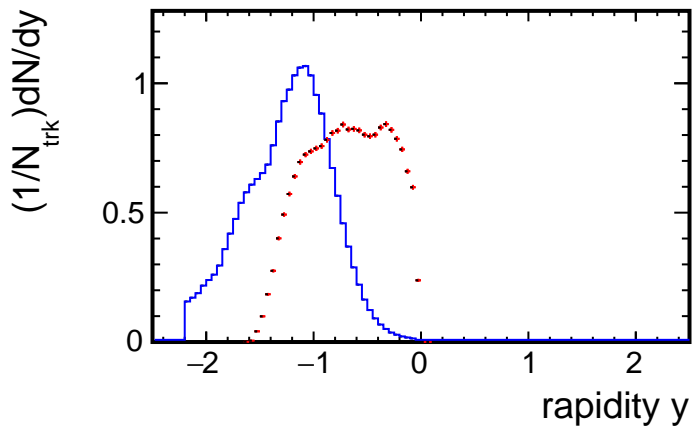
$p_T < 0.5$ (GeV/c)



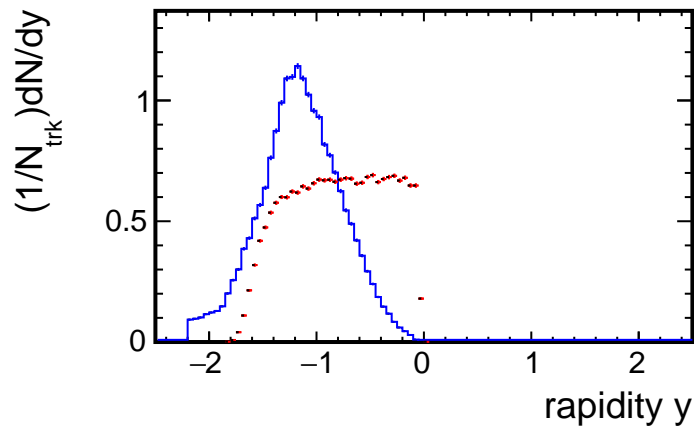
$p_T < 1.0$ (GeV/c)



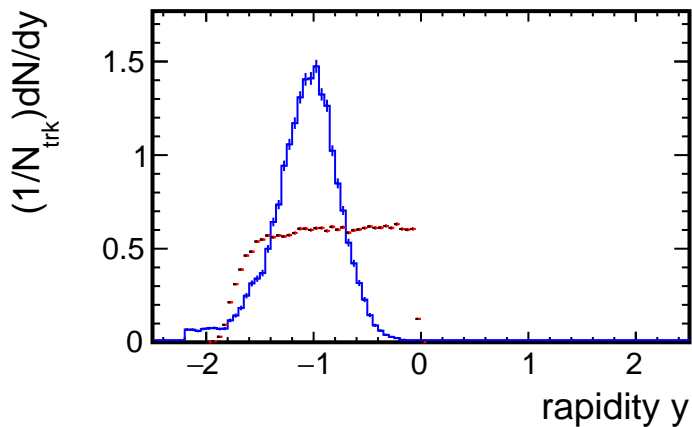
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



$p_T < 2.5$ (GeV/c)

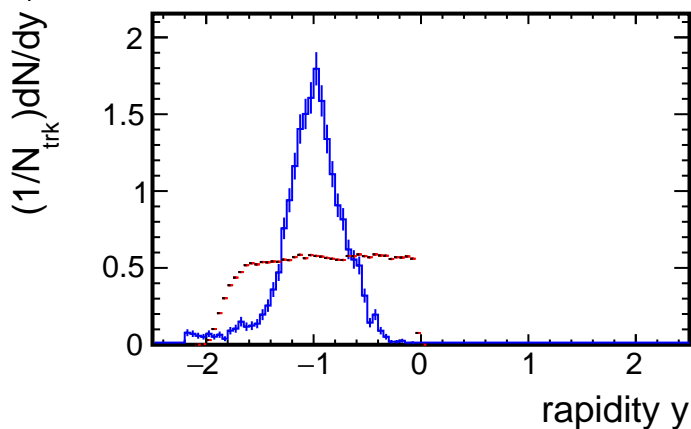


— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

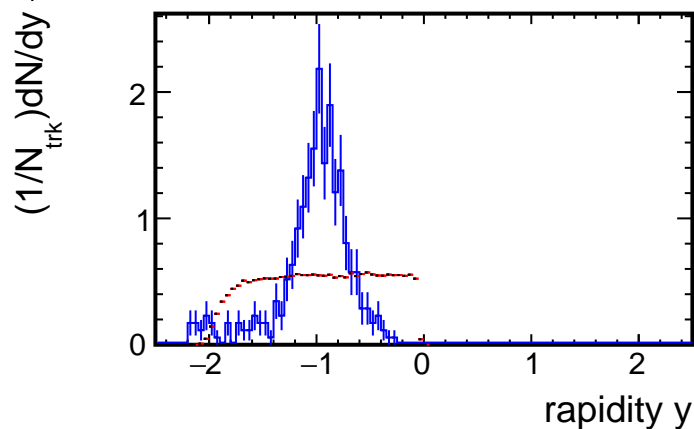
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Projection of y for each p_T bin

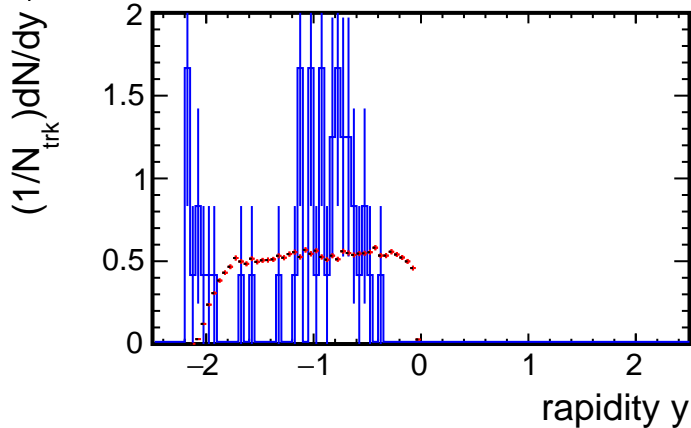
$p_T < 3.0$ (GeV/c)



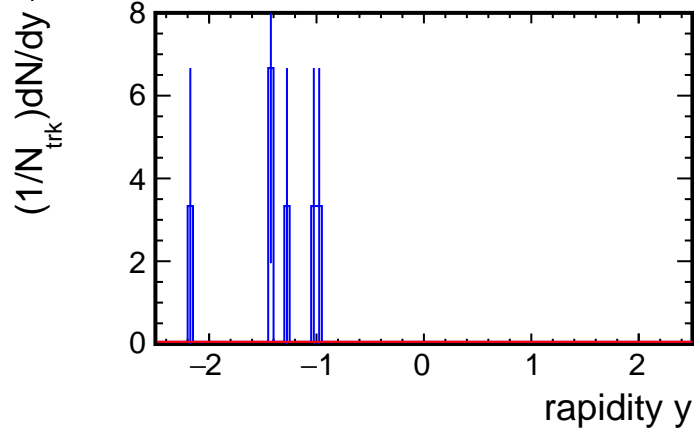
$p_T < 3.5$ (GeV/c)



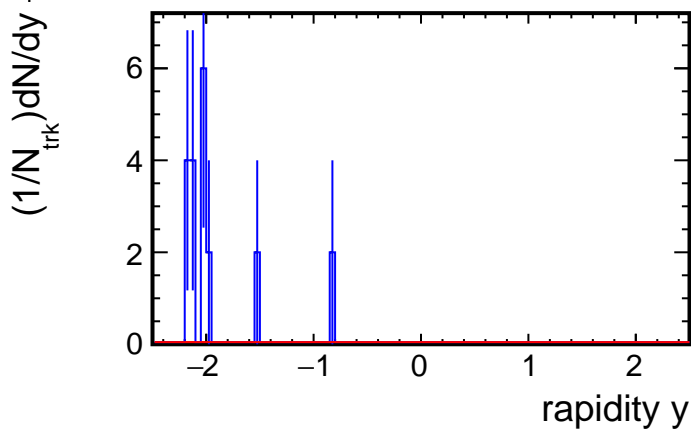
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



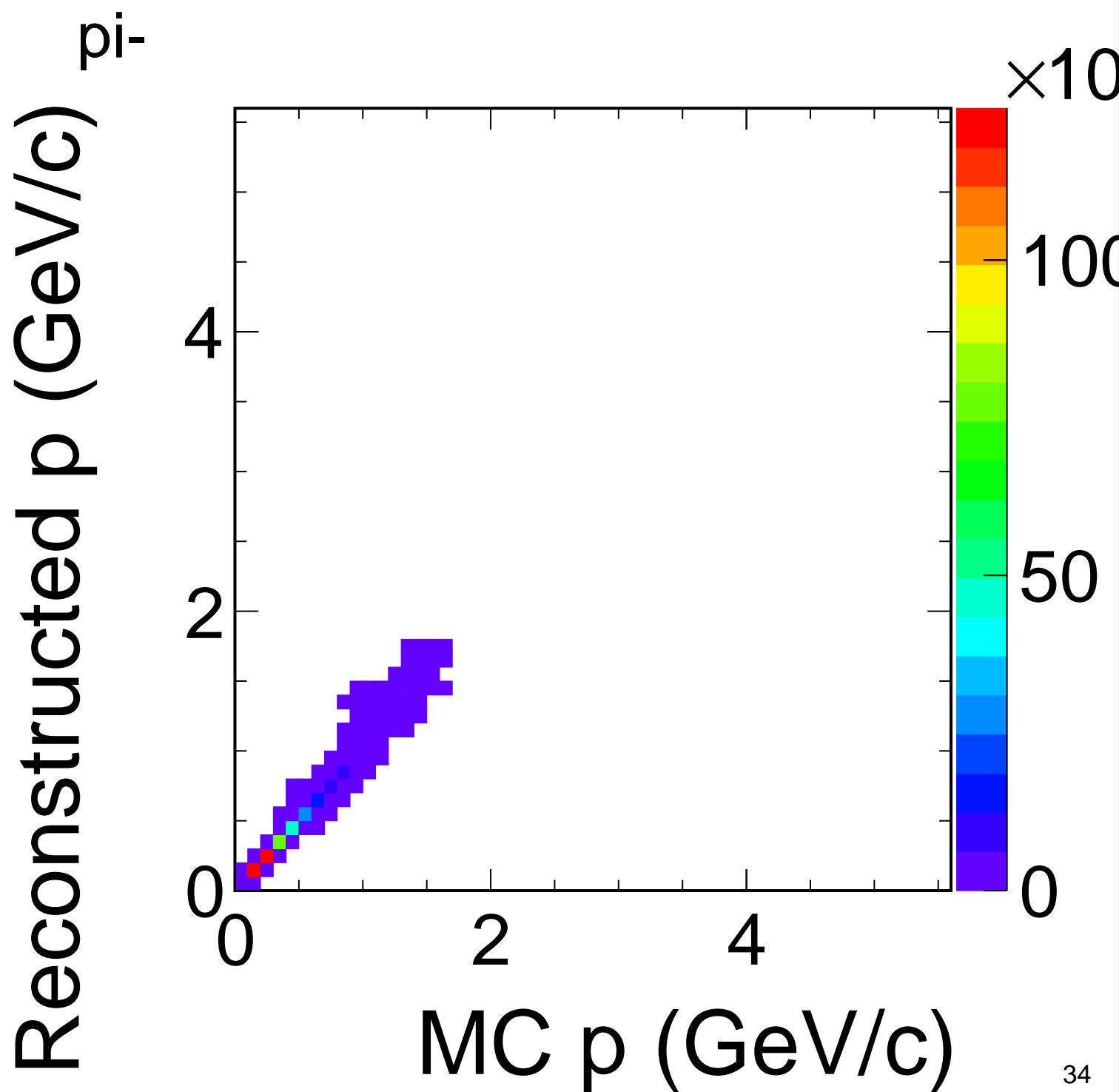
$p_T < 5.0$ (GeV/c)



— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

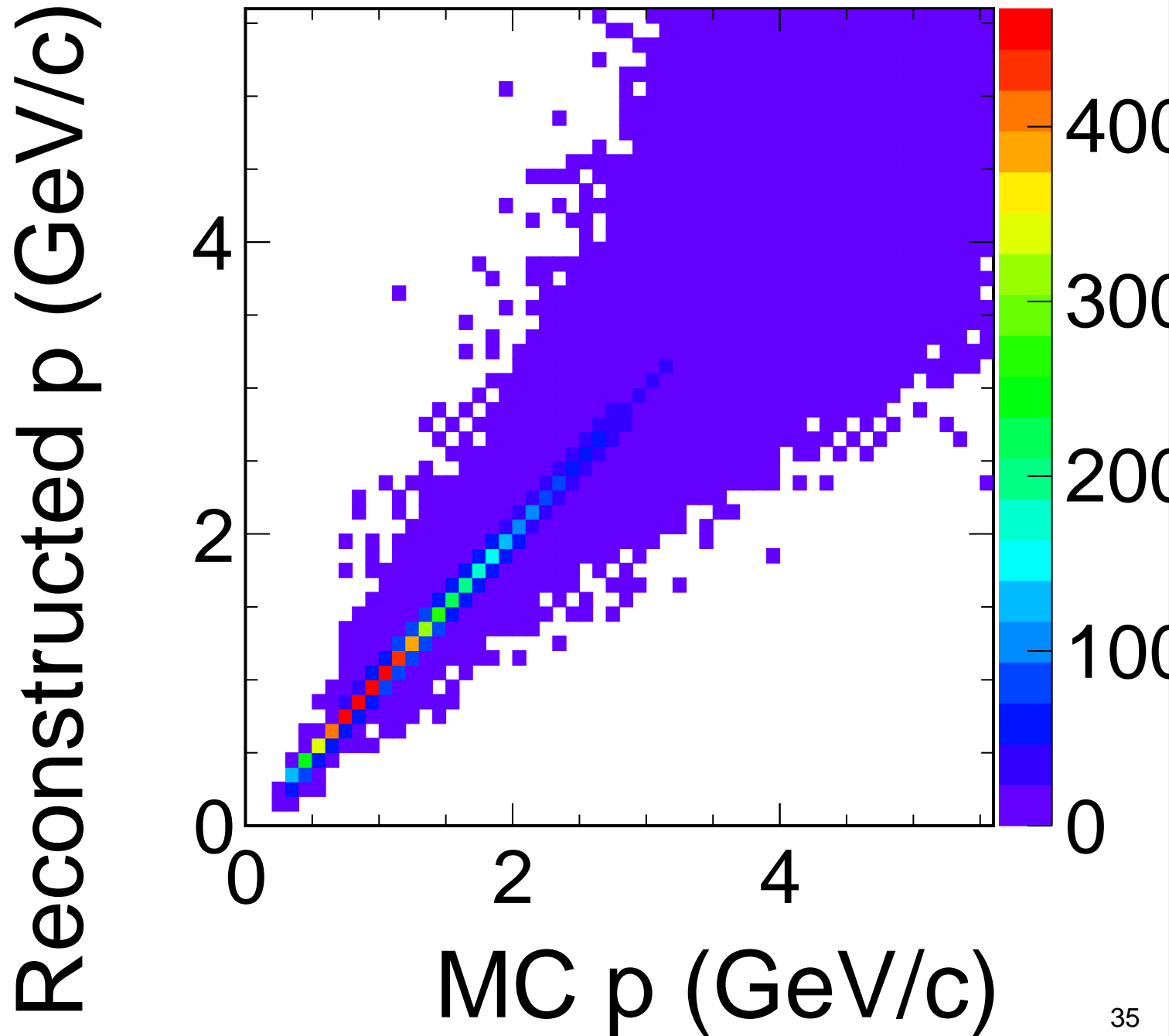
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Reconstructed momentum vs MC momentum



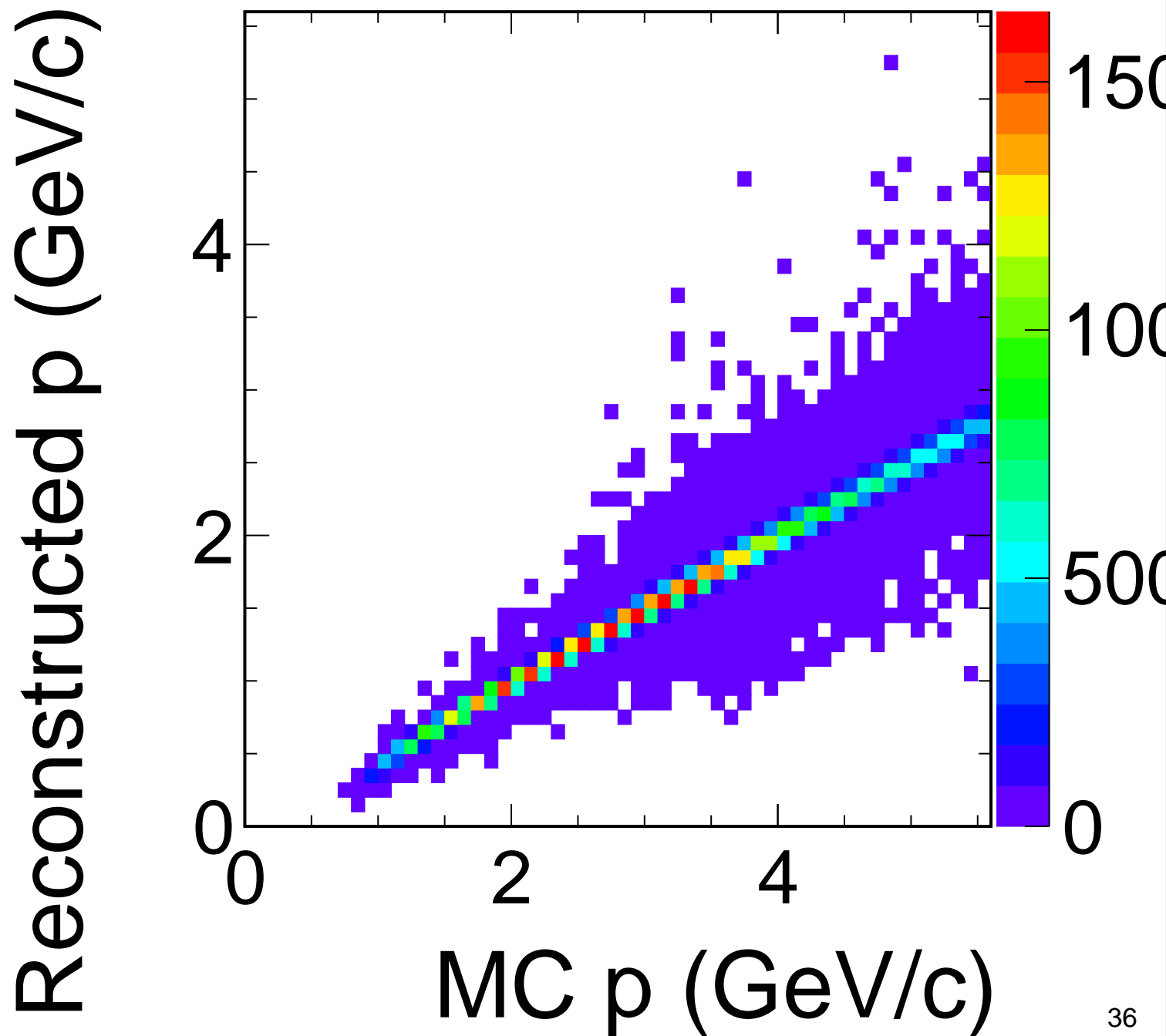
Reconstructed momentum vs MC momentum

proton

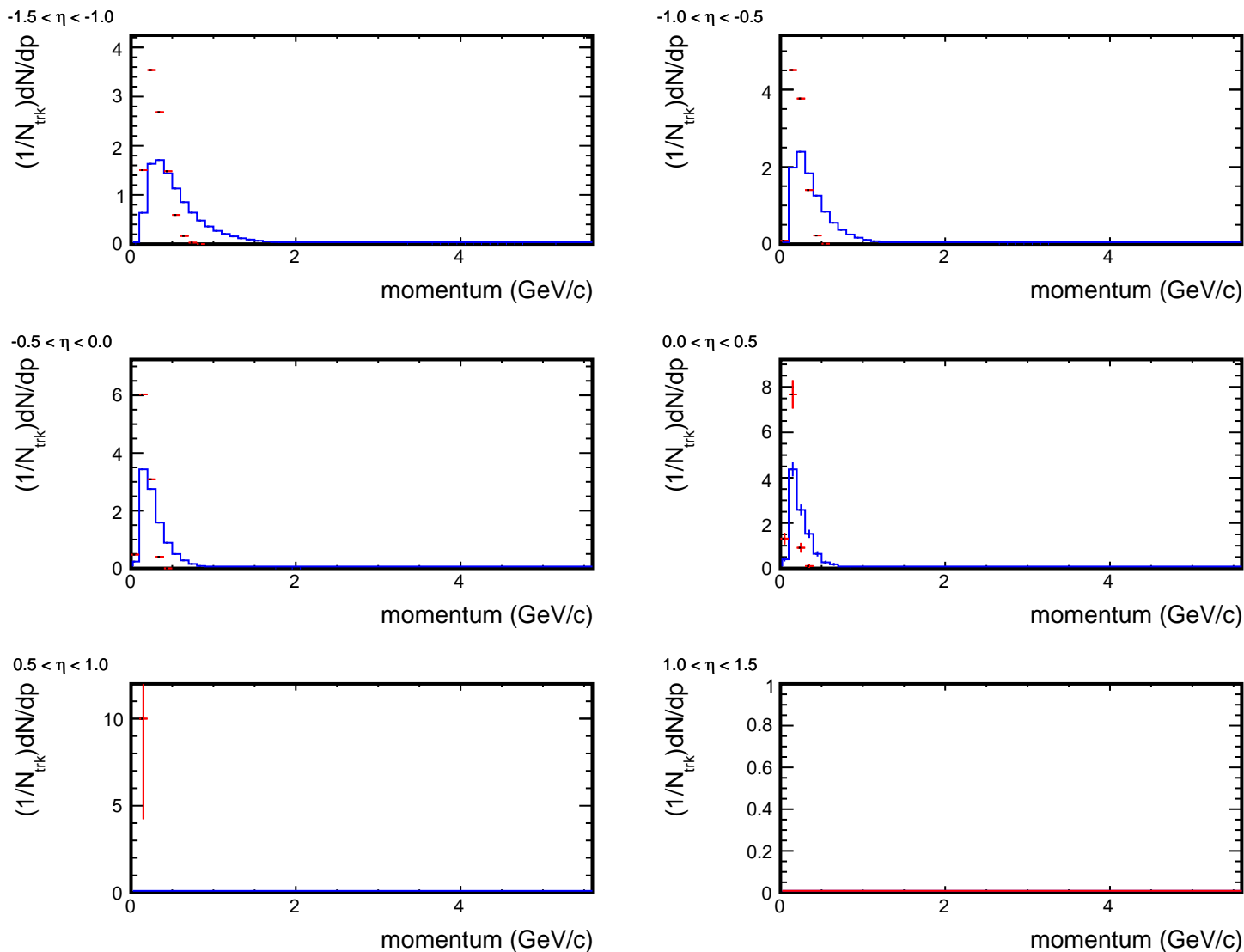


Reconstructed momentum vs MC momentum

He3

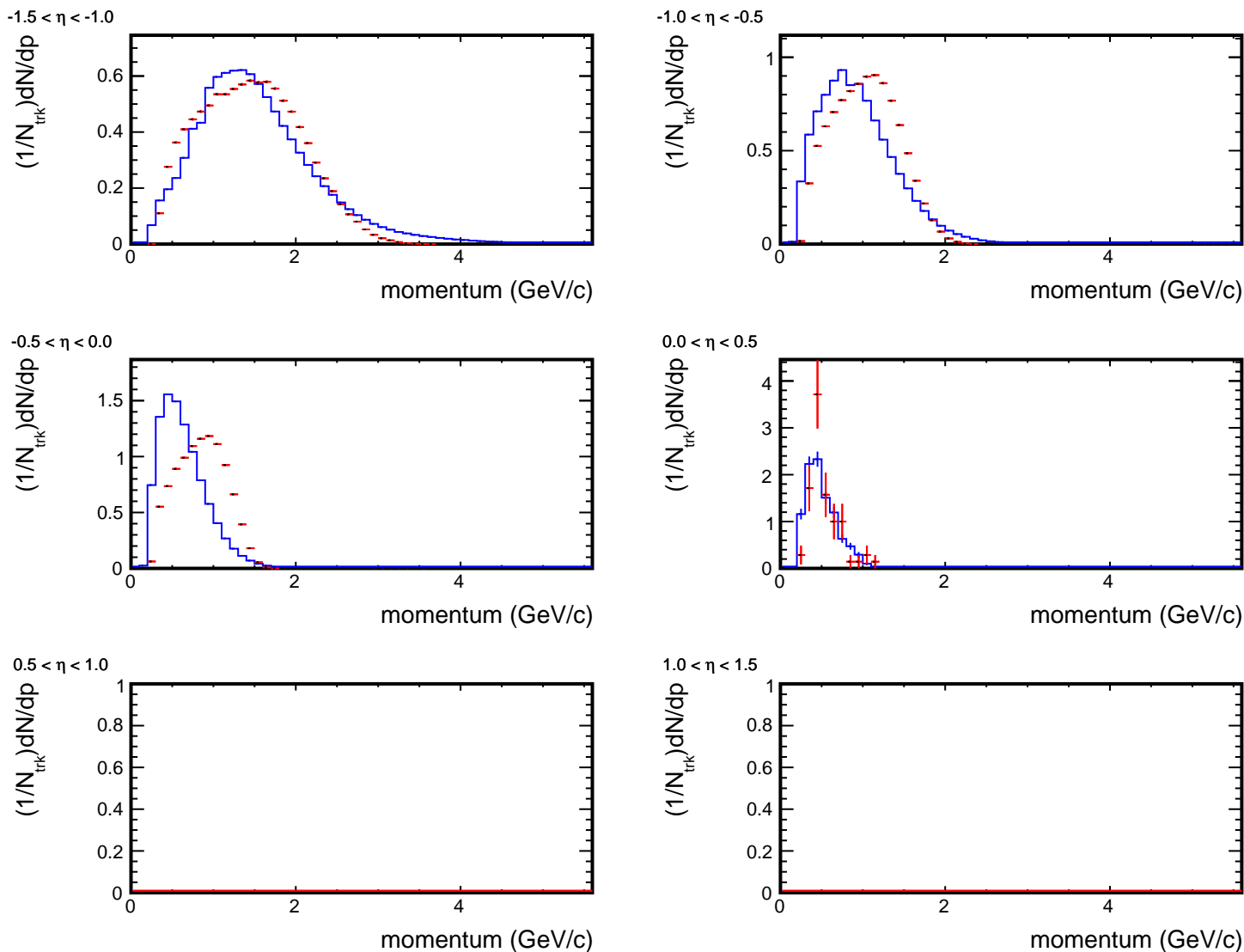


Projection of p for each η bin



— Daughter π^- (from He4Lambda)
 (CONTAM, geantid=9)
— π^-
 (PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

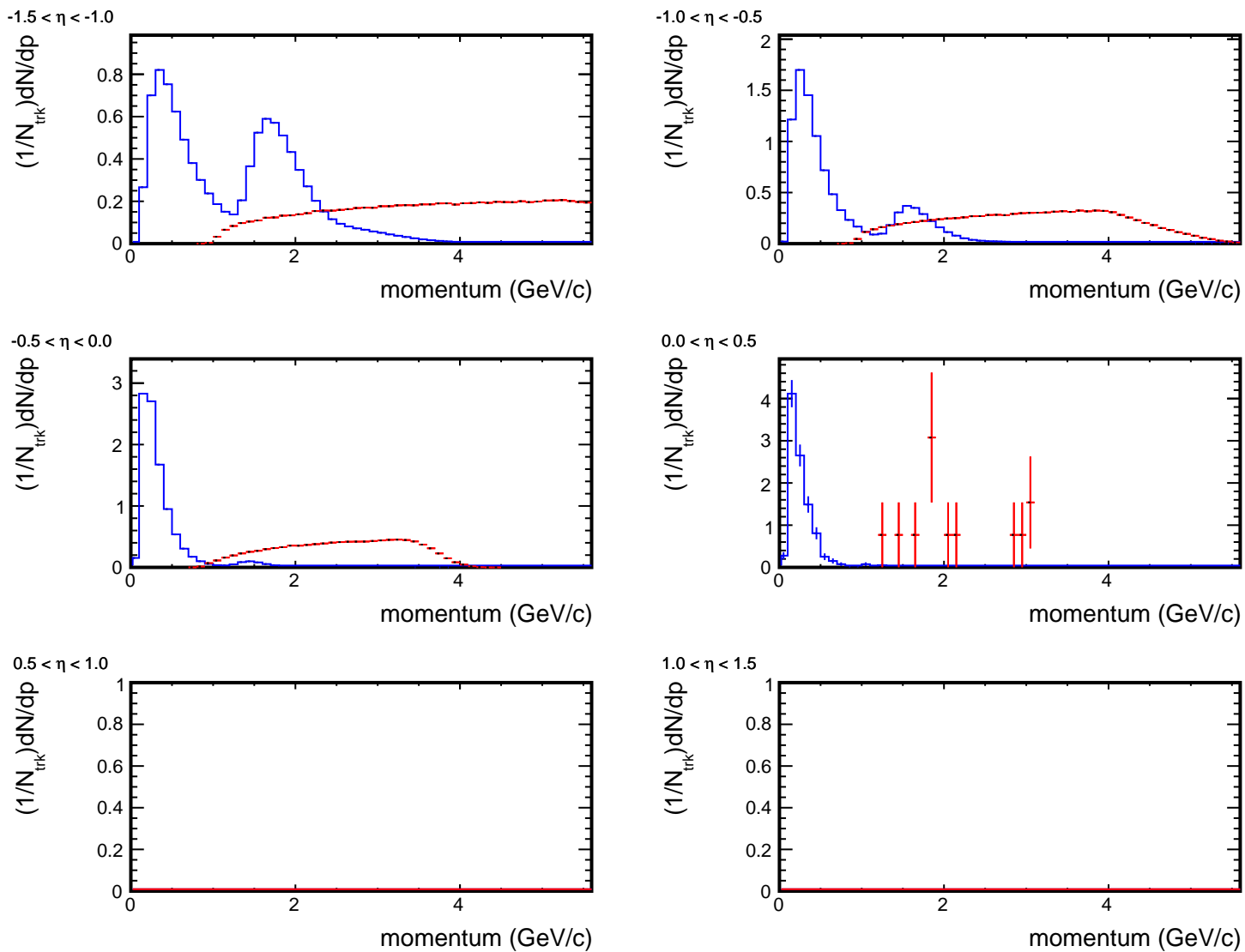
Projection of p for each η bin



— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

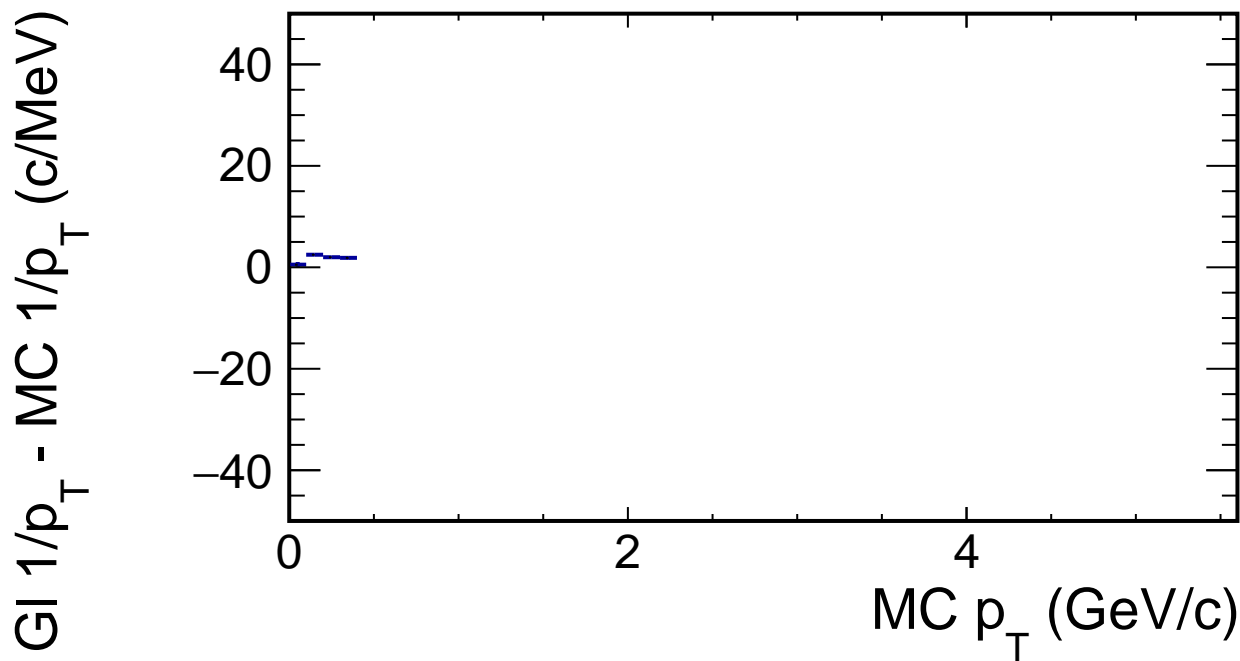
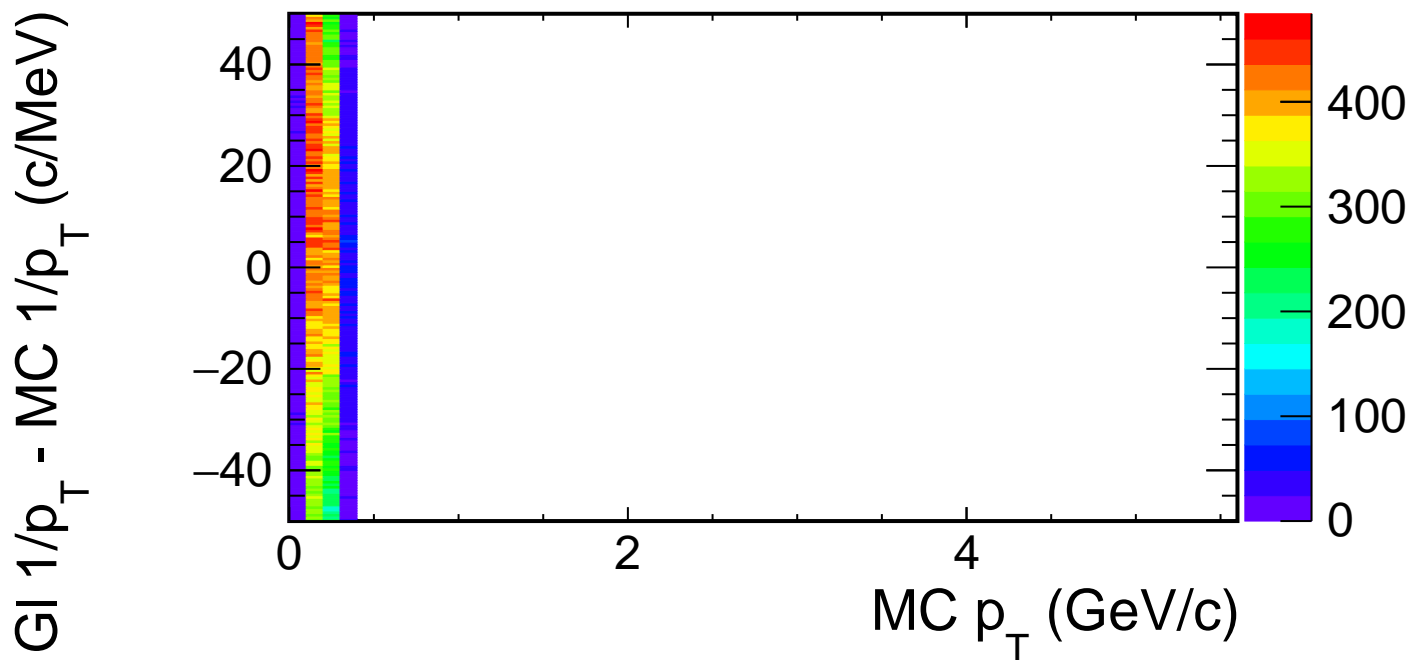
— proton
(PRIMARY, $|n \sigma_{\text{proton}}| < 2$ TPC)

Projection of p for each η bin

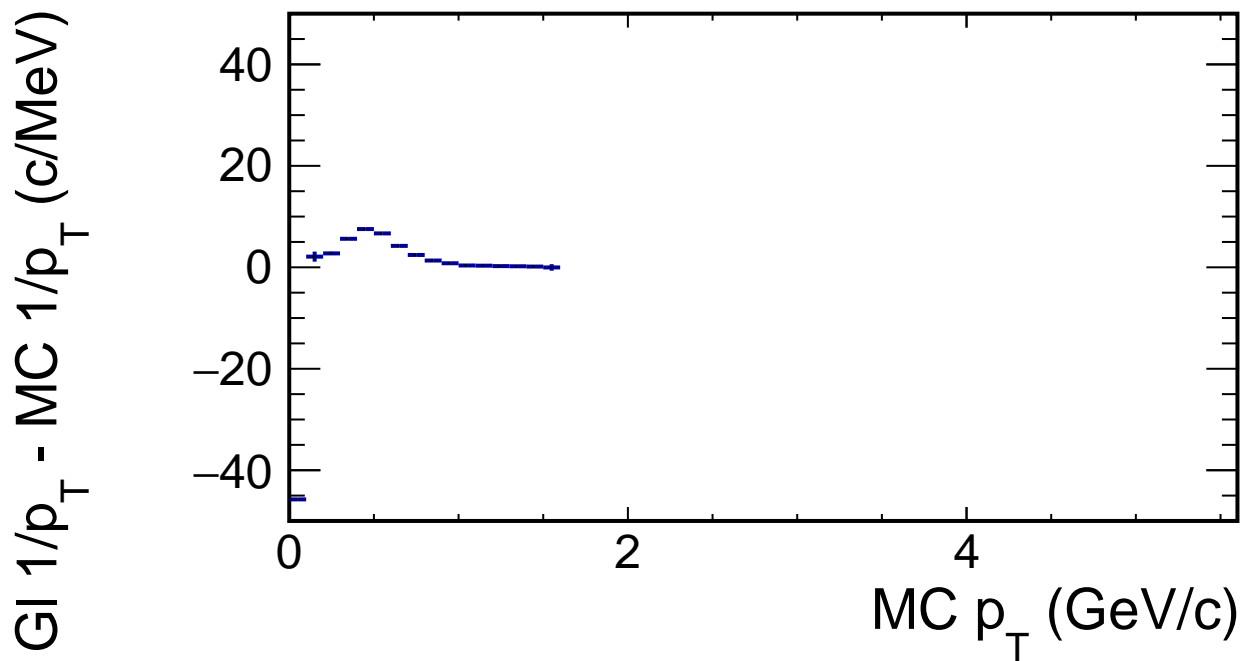
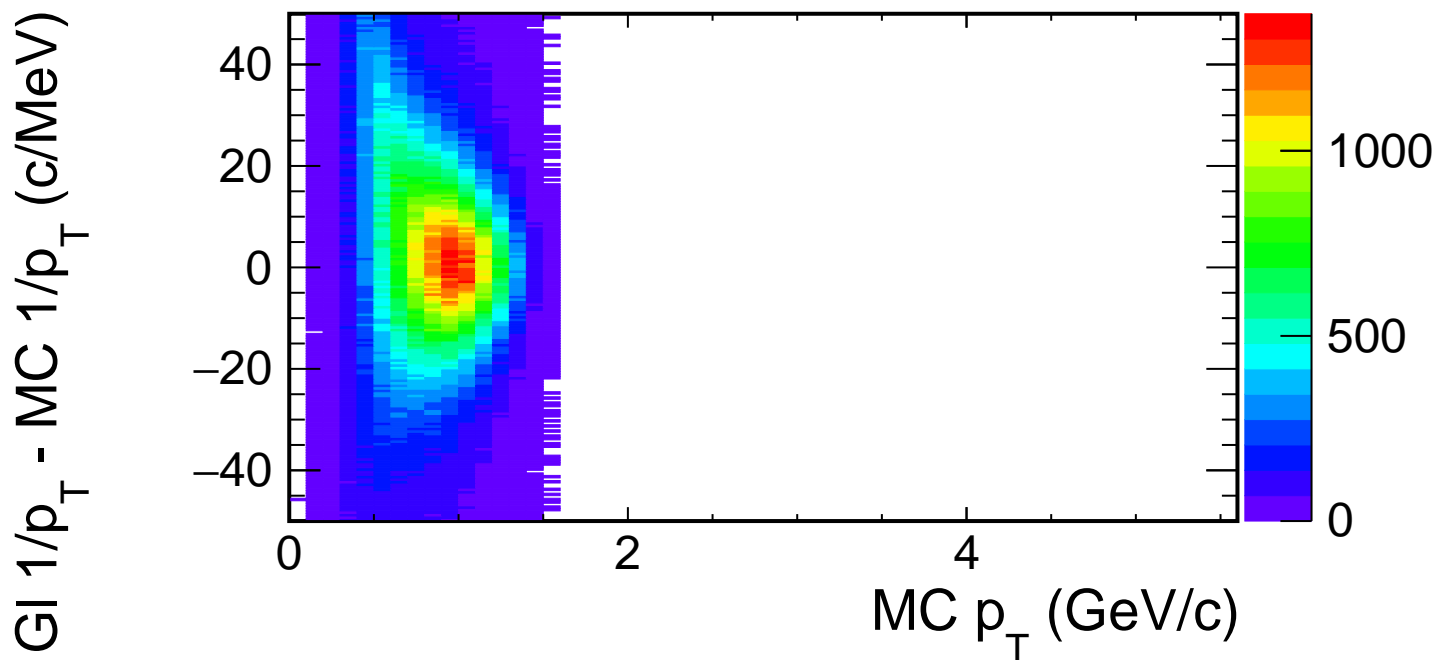


— Daughter He3 (from He4Lambda)
 (CONTAM, geantid=49)
— pi+
 (PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

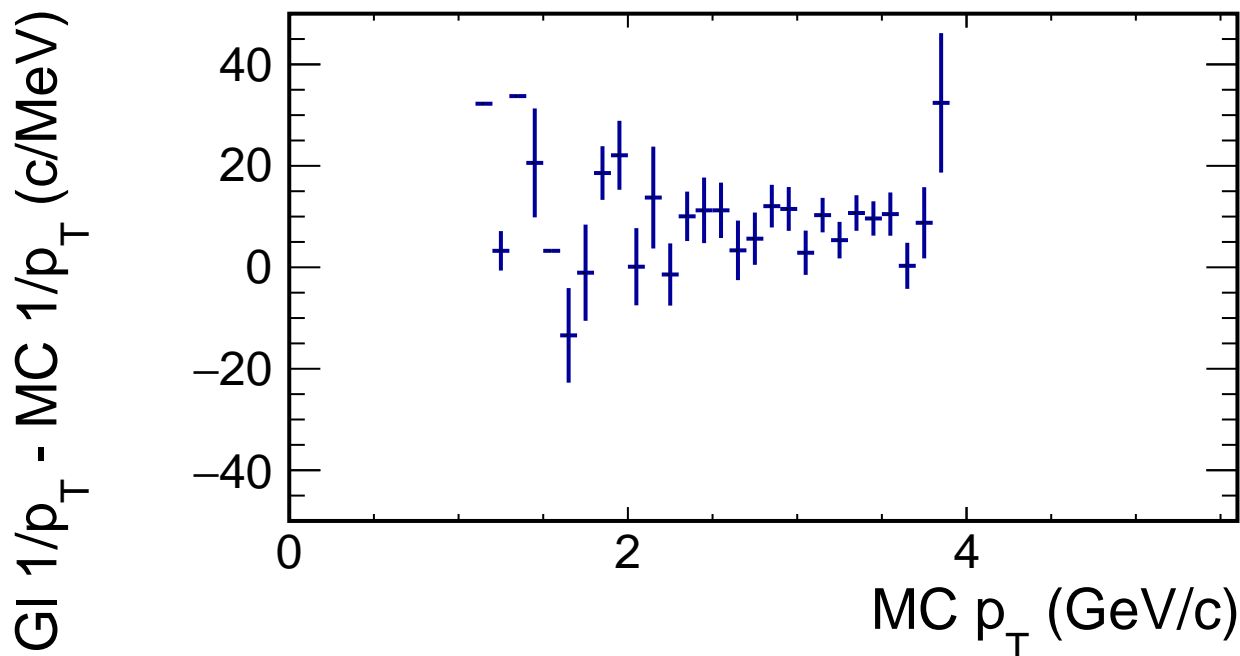
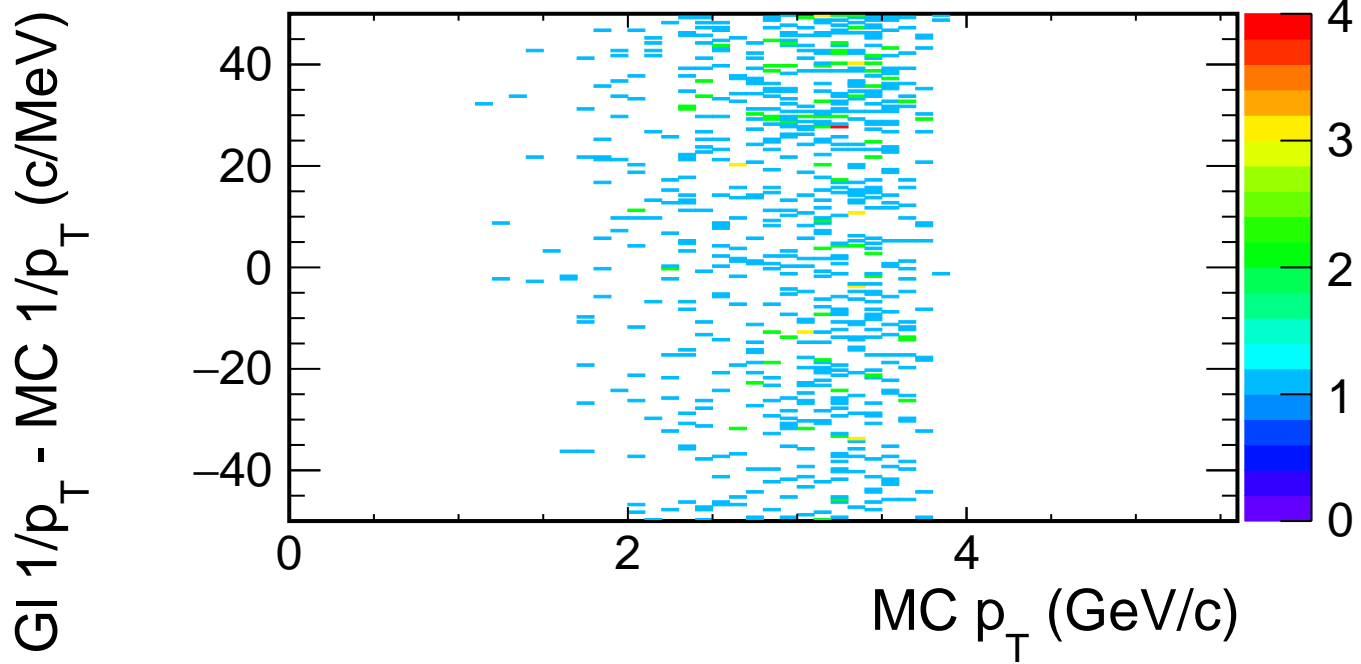
$1/p_T$ (GI) - $1/p_T$ (MC) vs p_T (MC) (π^-)



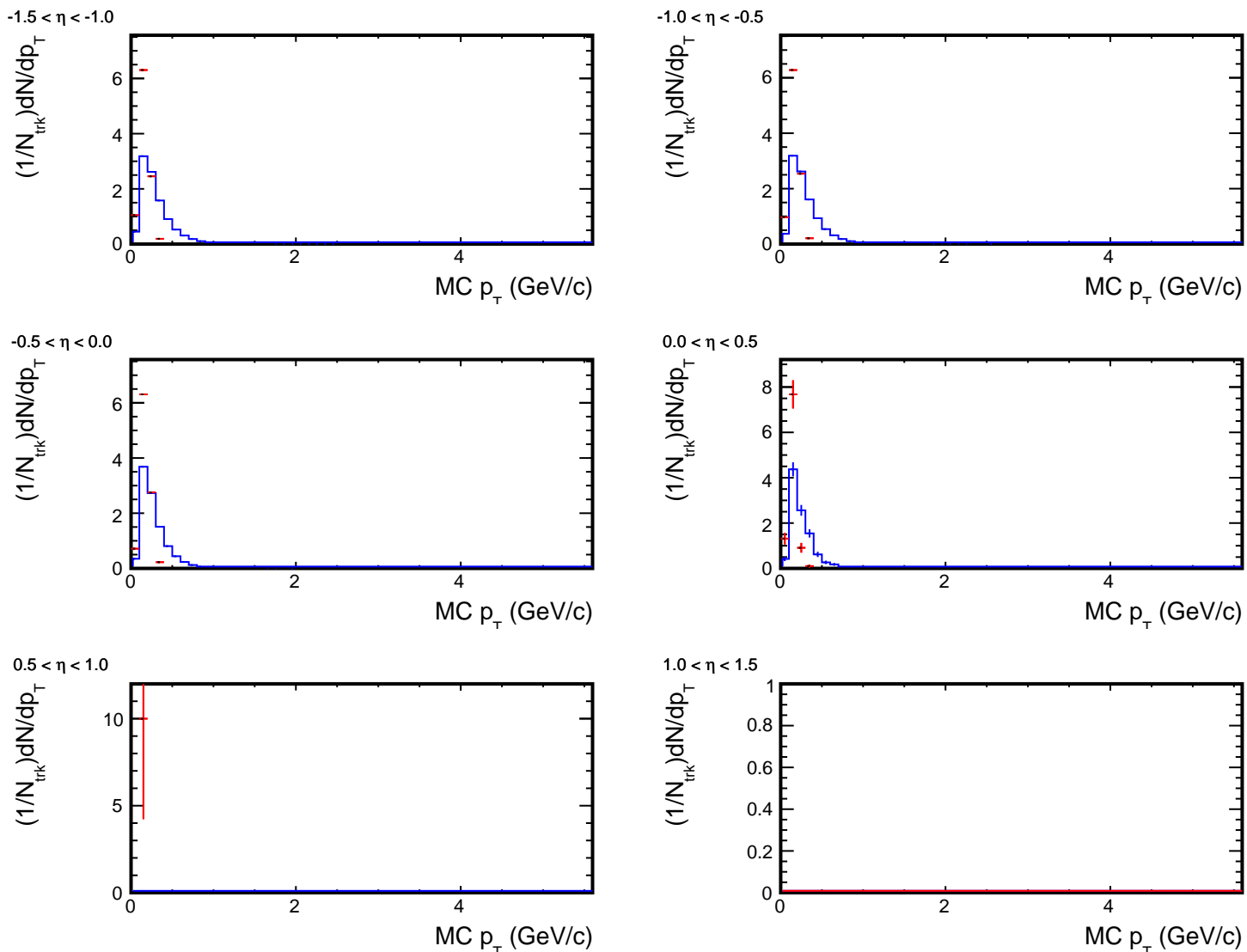
$1/p_T$ (GI) - $1/p_T$ (MC) vs p_T (MC) (proton)



$1/p_T$ (GI) - $1/p_T$ (MC) vs p_T (MC) (He3)



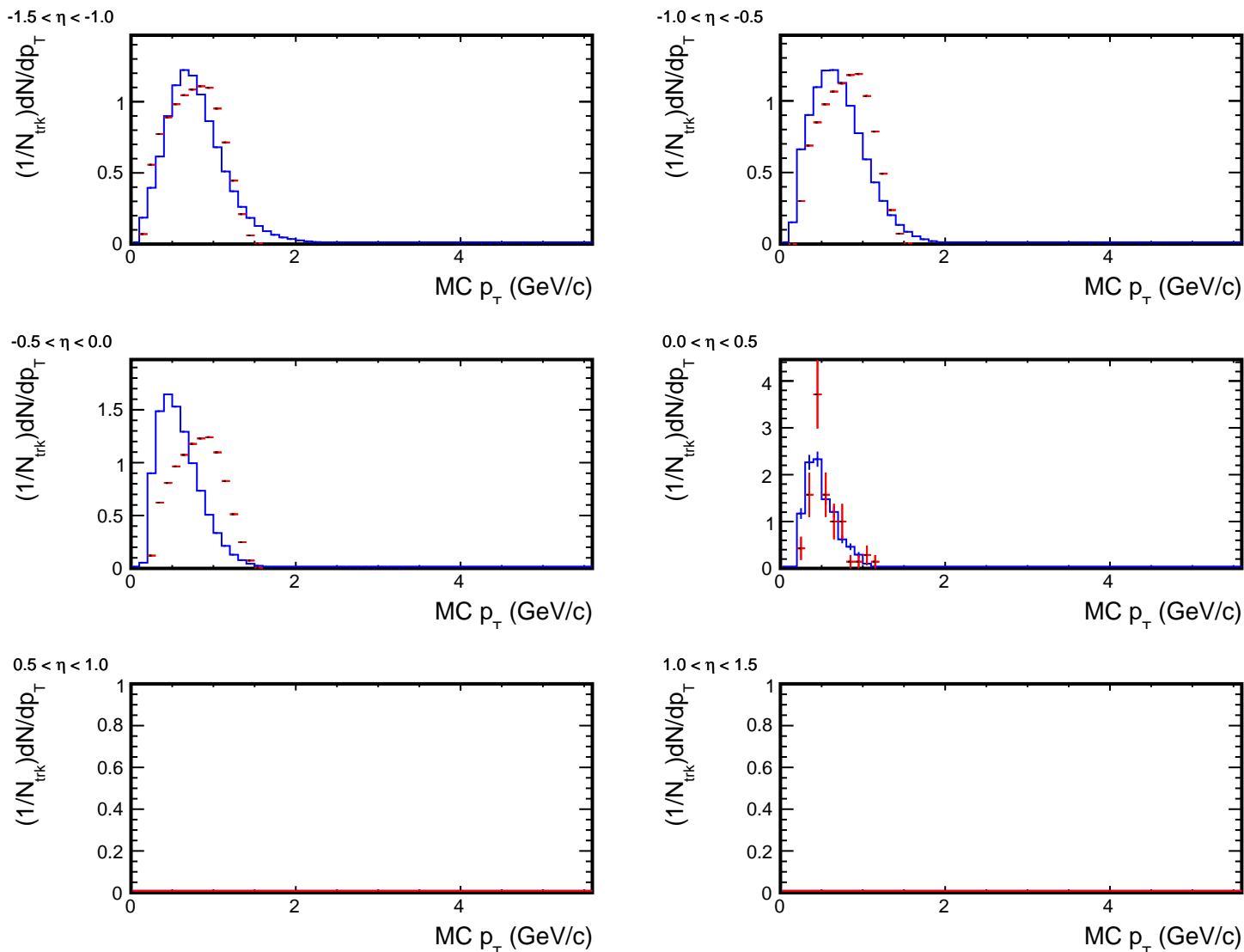
Projection of p_T for each η bin



— Daughter π^- (from He4Lambda)
 (CONTAM, geantid=9)

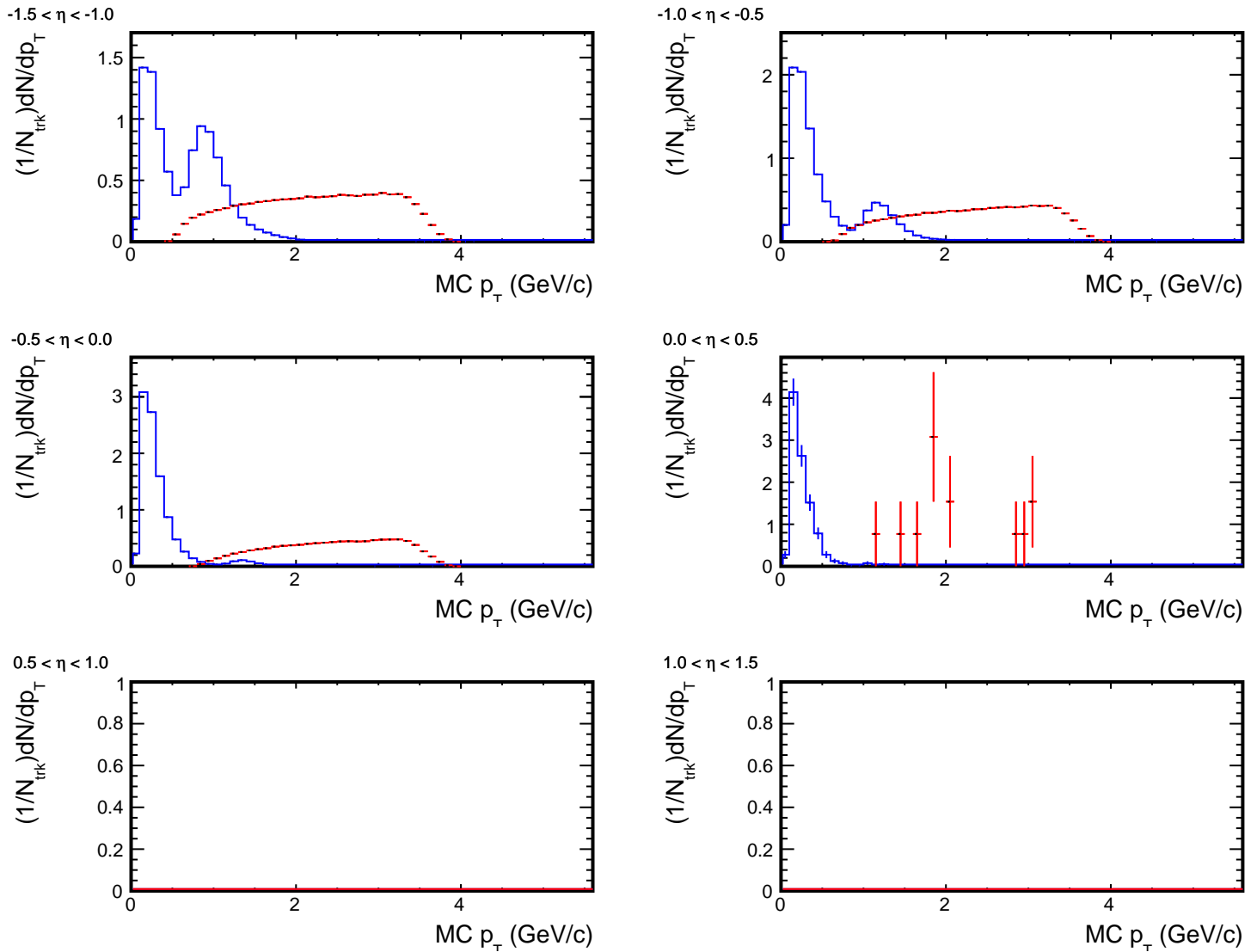
— π^-
 (PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Projection of p_T for each η bin



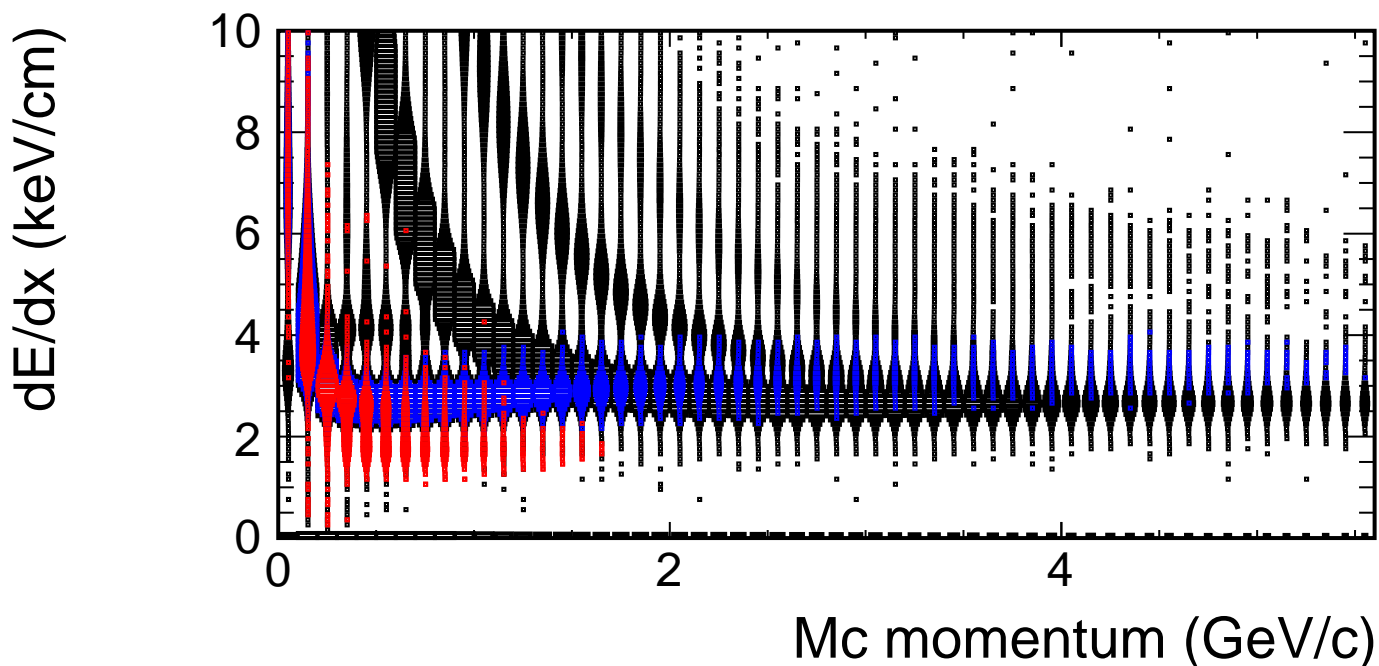
— Daughter proton (from He4Lambda)
 (CONTAM, geantid=14)
— proton
 (PRIMARY, $|n\sigma_{\text{proton}}| < 2$ TPC)

Projection of p_T for each η bin



— Daughter He3 (from He4Lambda)
 (CONTAM, geantid=49)
— pi+
 (PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

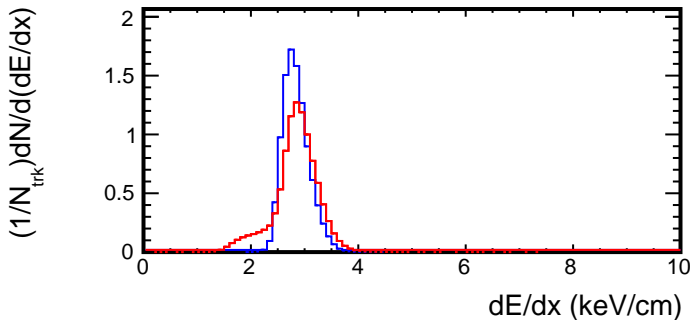
dE/dx vs momentum (Embedding:pi-, Real:pi-)



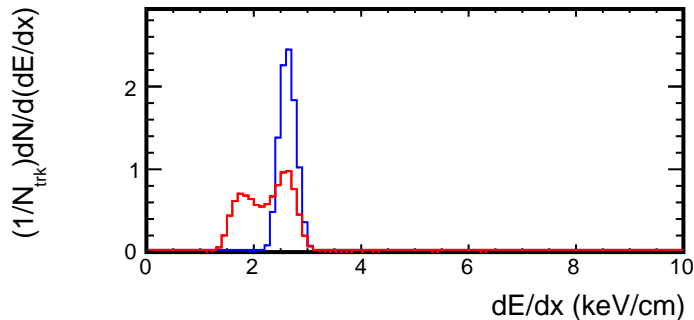
- Daughter pi- (from He4Lambda) (CONTAM, geantid=9)
- Real data
- Real data with PID cut ($\sigma < 2$) TPC

Projection of dE/dx for each p bin

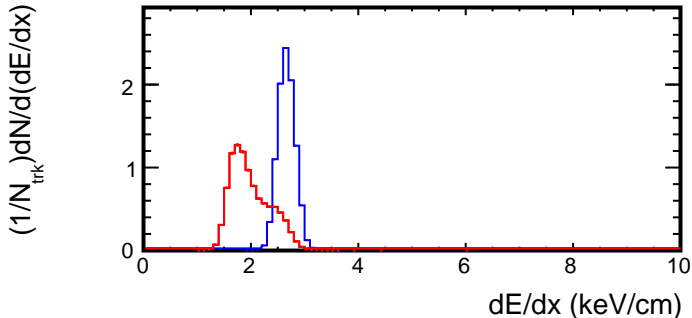
< Mc p < 0.4 GeV/c



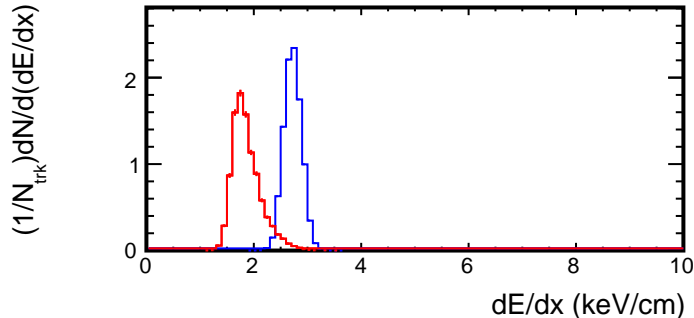
< Mc p < 0.6 GeV/c



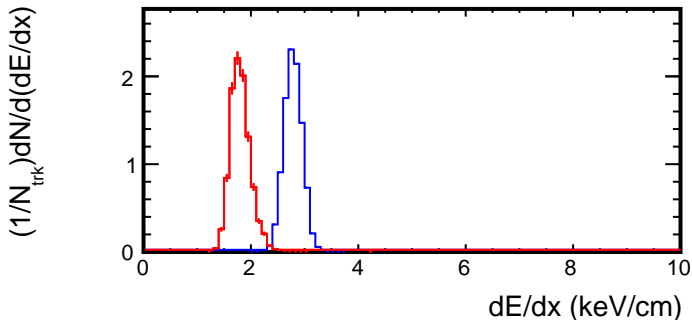
< Mc p < 0.8 GeV/c



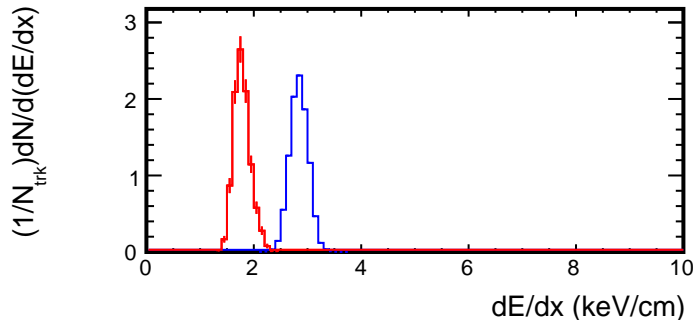
< Mc p < 1.0 GeV/c



< Mc p < 1.2 GeV/c



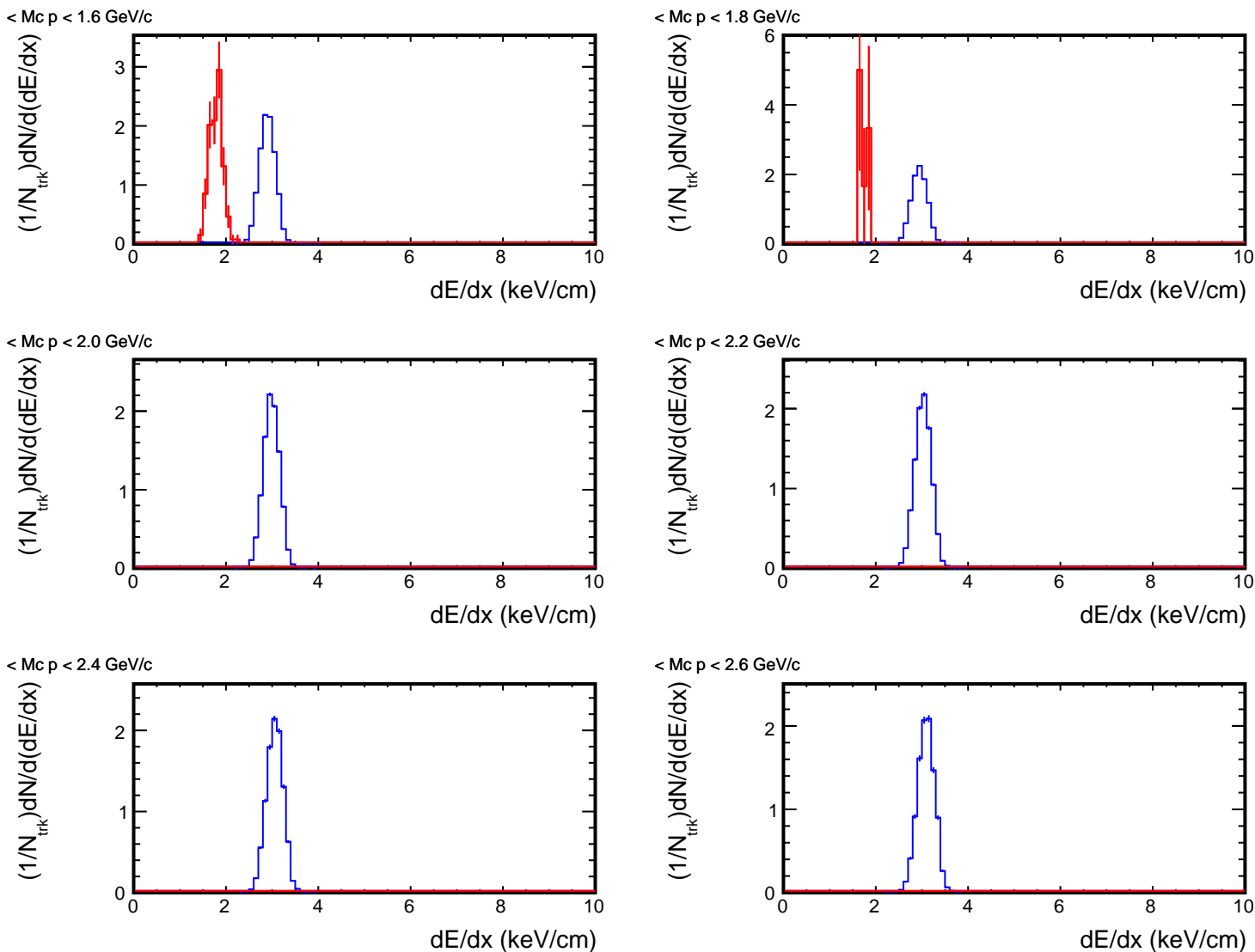
< Mc p < 1.4 GeV/c



— Daughter pi- (from He4Lambda)
(CONTAM, geantid=9)

— pi-
(PRIMARY, $|\ln \sigma_{\text{pi-}}| < 2$ TPC)

Projection of dE/dx for each p bin

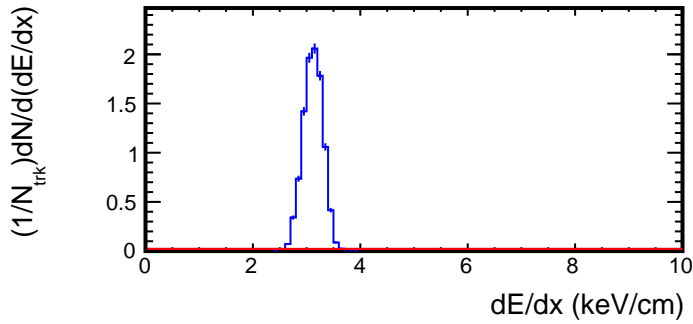


— Daughter π^- (from He4Lambda)
(CONTAM, geantid=9)

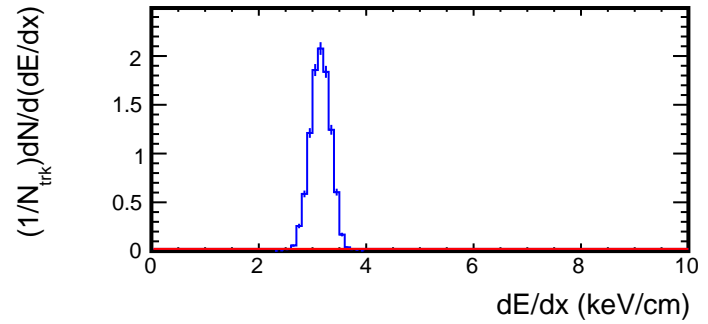
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Projection of dE/dx for each p bin

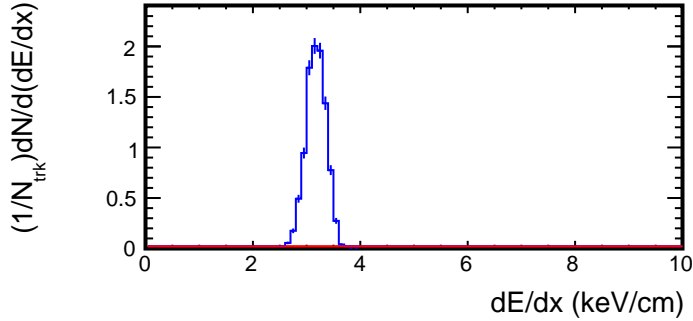
< Mc p < 2.8 GeV/c



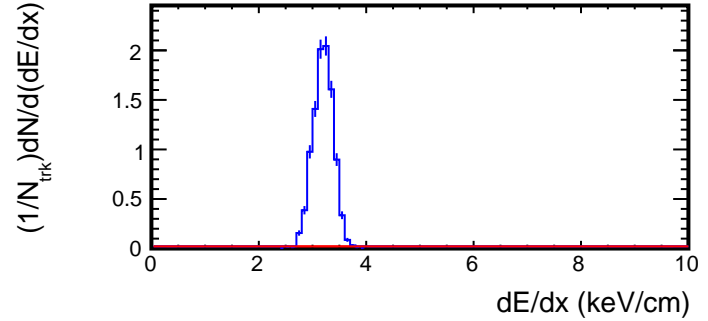
< Mc p < 3.0 GeV/c



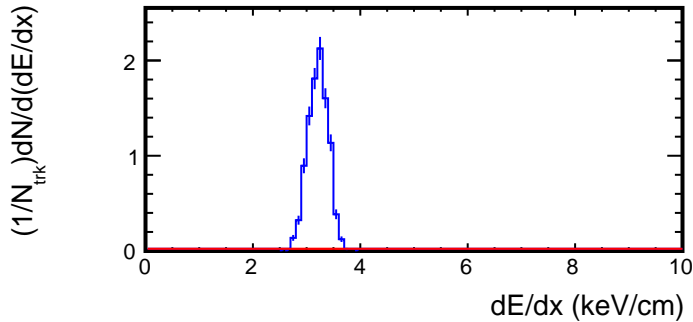
< Mc p < 3.2 GeV/c



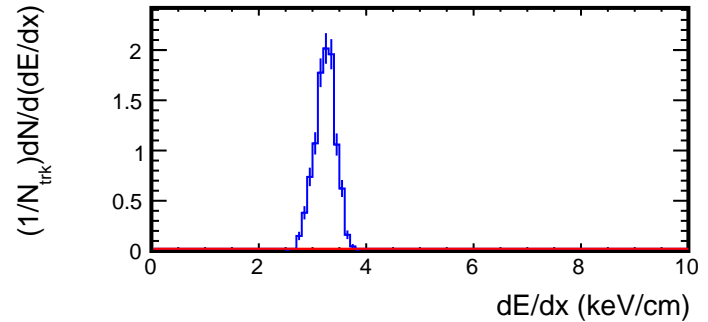
< Mc p < 3.4 GeV/c



< Mc p < 3.6 GeV/c



< Mc p < 3.8 GeV/c

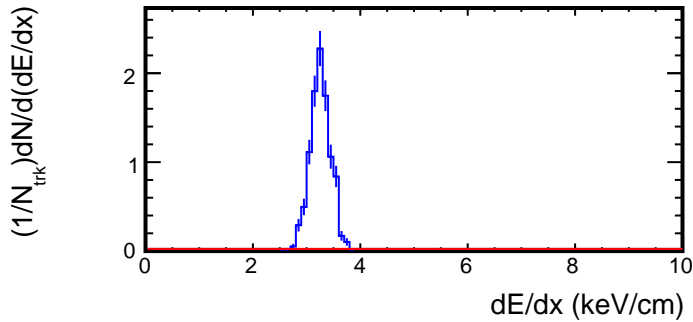


— Daughter pi- (from He4Lambda)
(CONTAM, geantid=9)

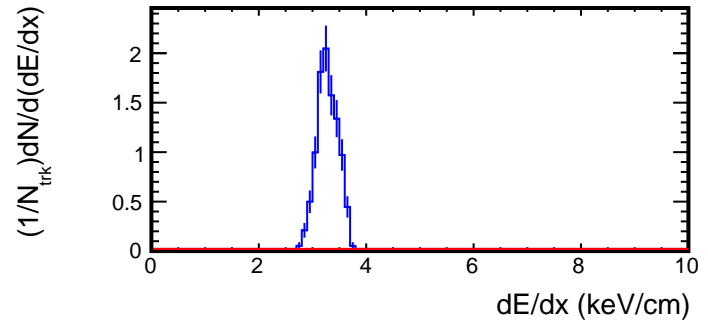
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi-}}| < 2$ TPC)

Projection of dE/dx for each p bin

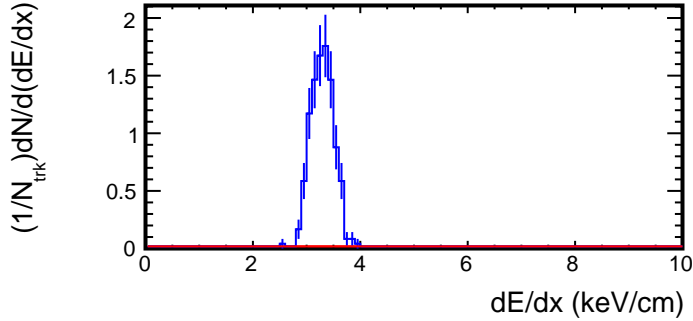
< Mc p < 4.0 GeV/c



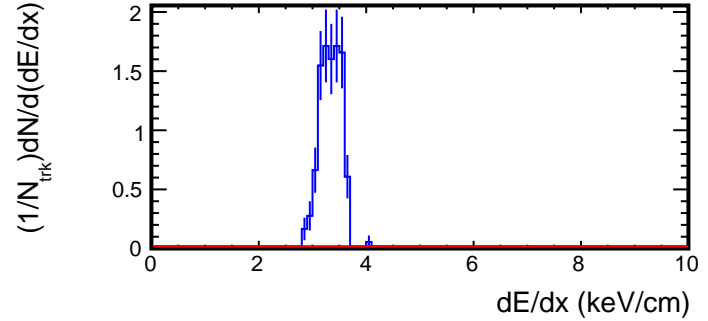
< Mc p < 4.2 GeV/c



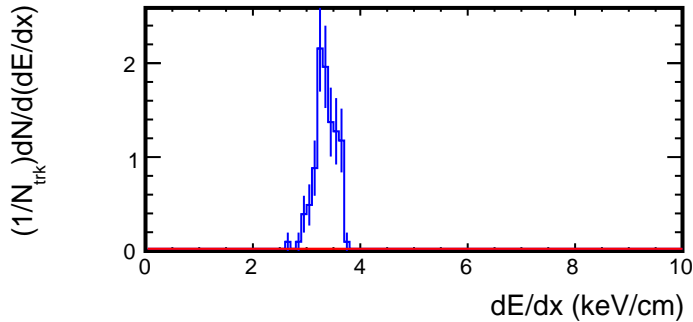
< Mc p < 4.4 GeV/c



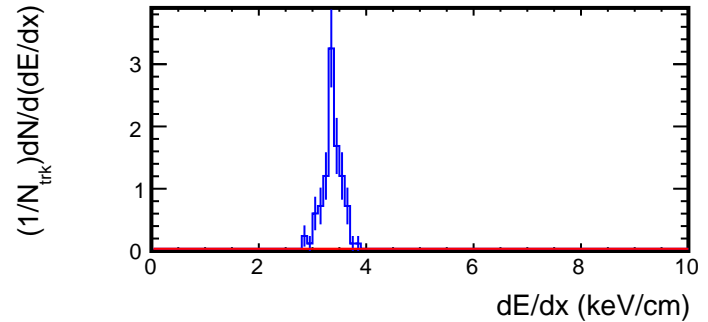
< Mc p < 4.6 GeV/c



< Mc p < 4.8 GeV/c



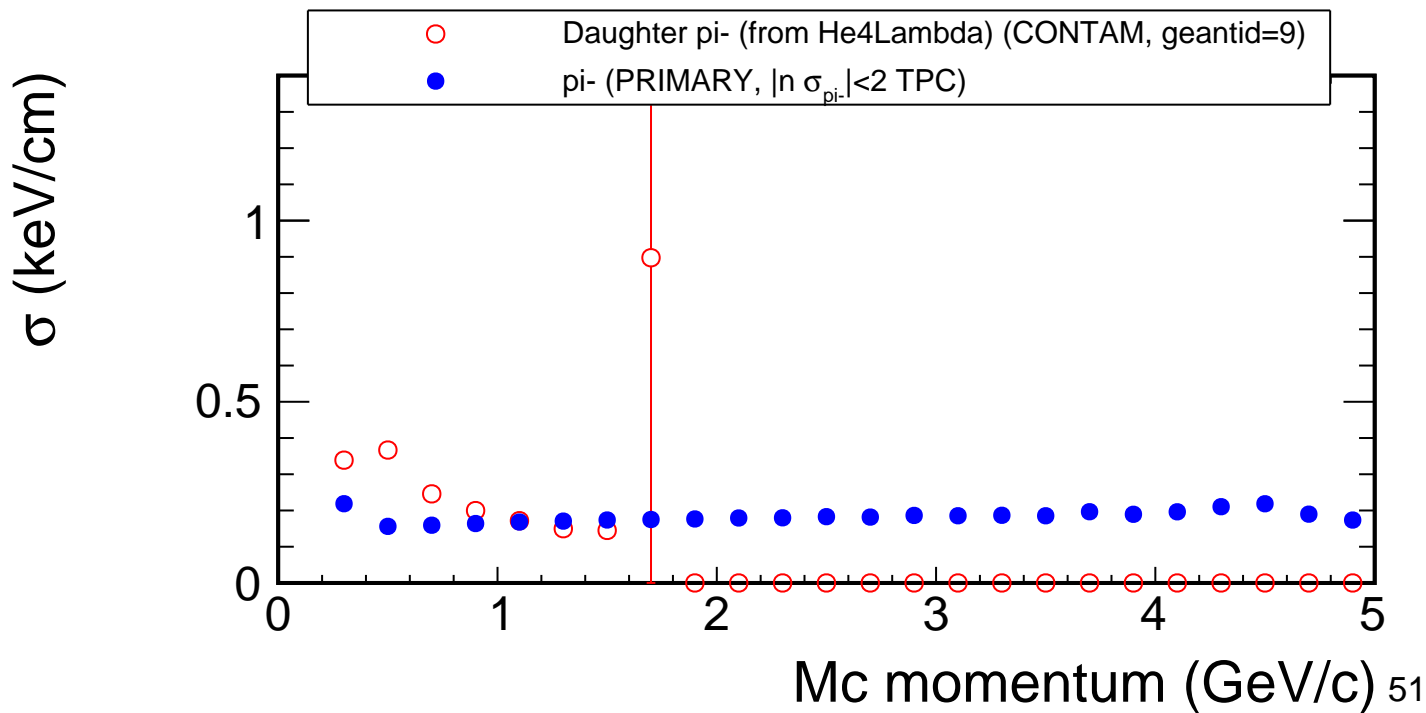
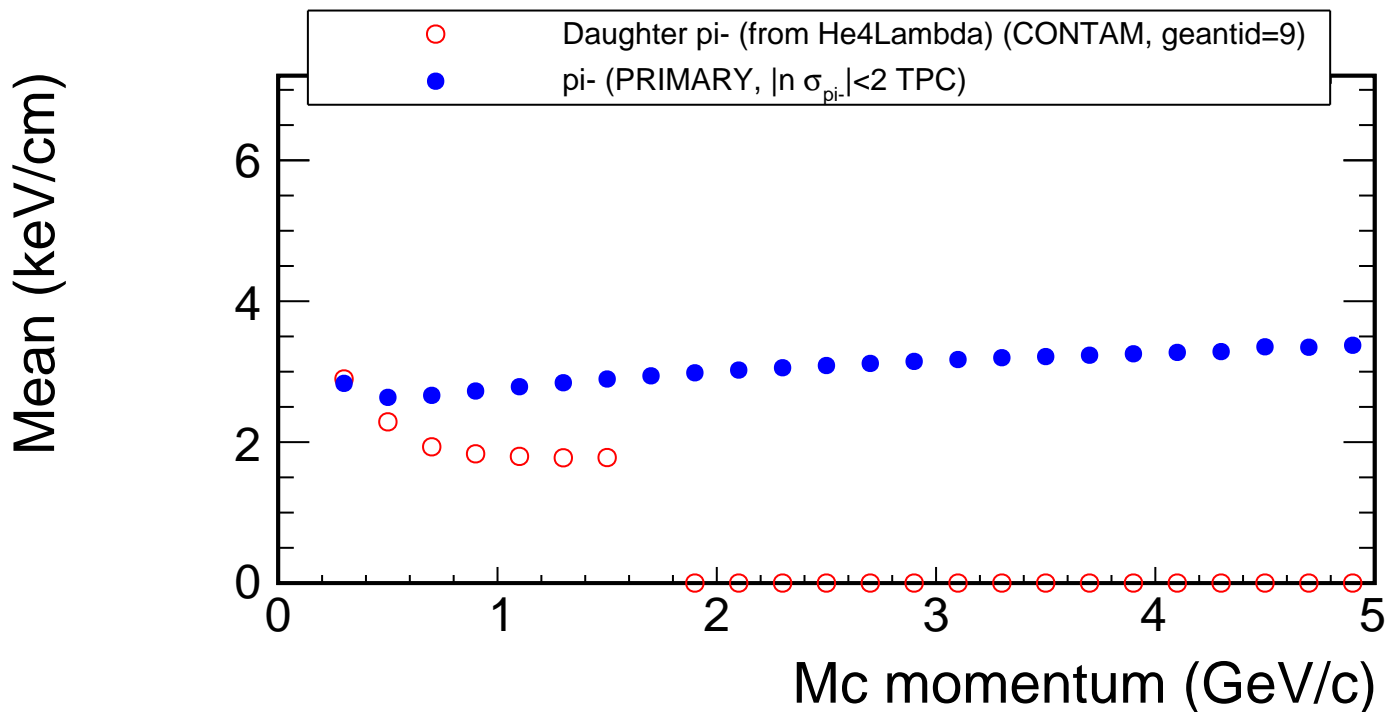
< Mc p < 5.0 GeV/c



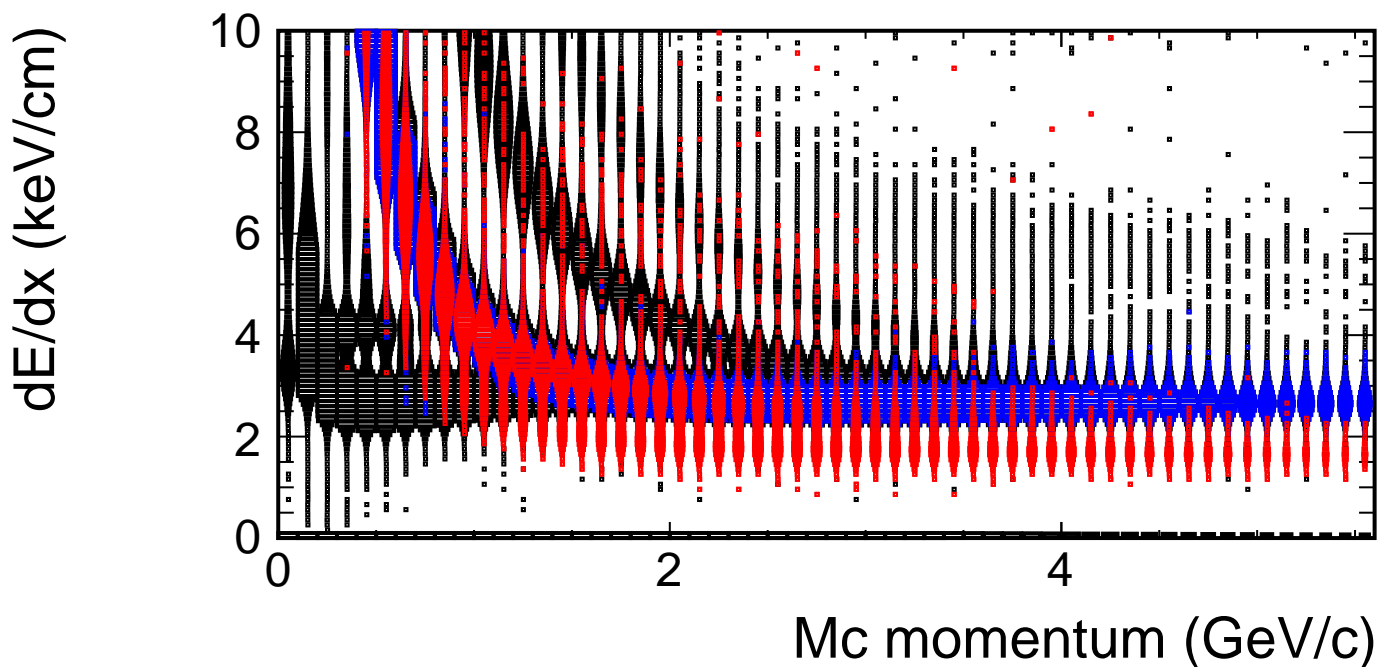
— Daughter pi- (from He4Lambda)
(CONTAM, geantid=9)

— pi-
(PRIMARY, $|n_{\sigma_{\pi^-}}| < 2$ TPC)

Mean/ σ of dE/dx vs momentum

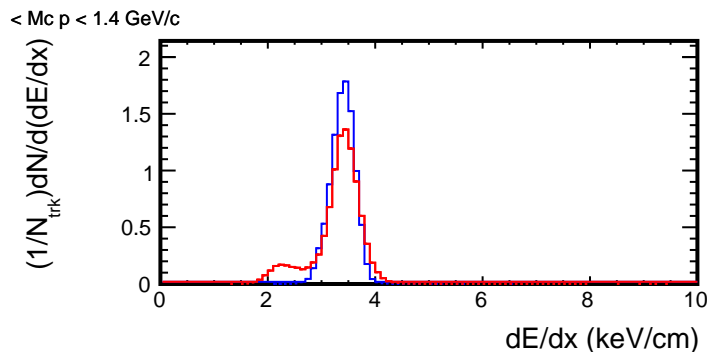
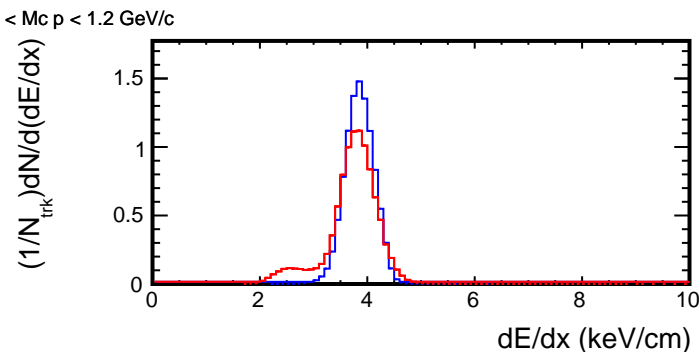
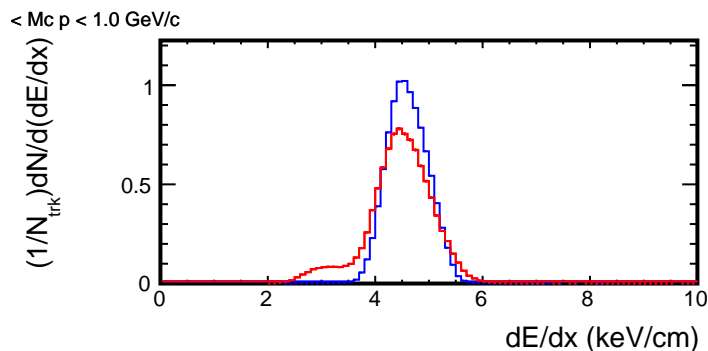
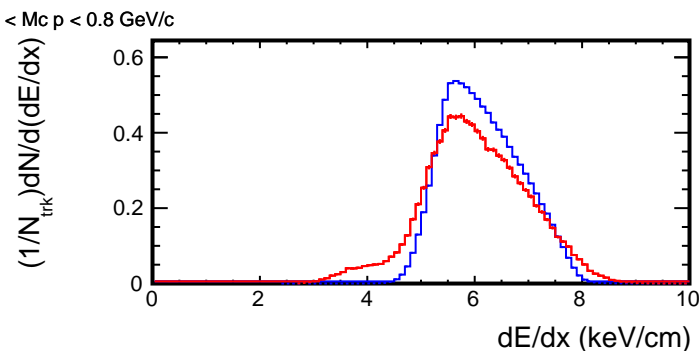
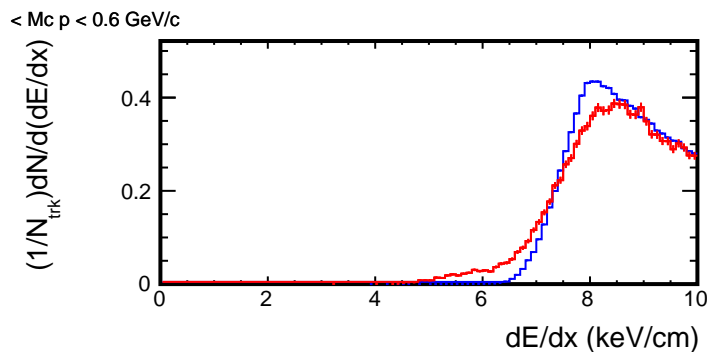
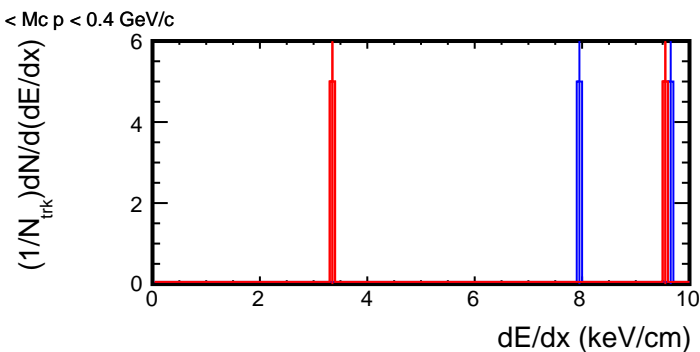


dE/dx vs momentum (Embedding:proton, Real:proton)



- Daughter proton (from He4Lambda) (CONTAM, geantid=14)
- Real data
- Real data with PID cut ($\sigma < 2$) TPC

Projection of dE/dx for each p bin

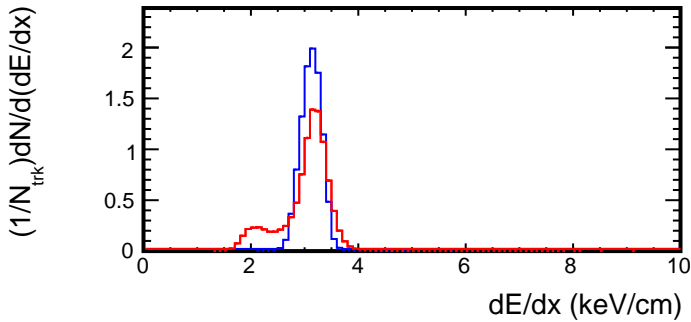


— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

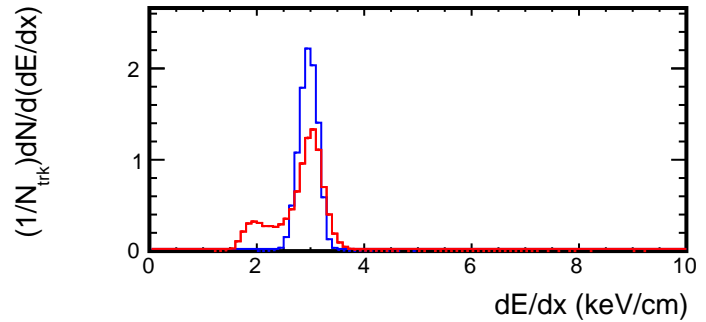
— proton
(PRIMARY, $|n\sigma_{\text{proton}}| < 2$ TPC)

Projection of dE/dx for each p bin

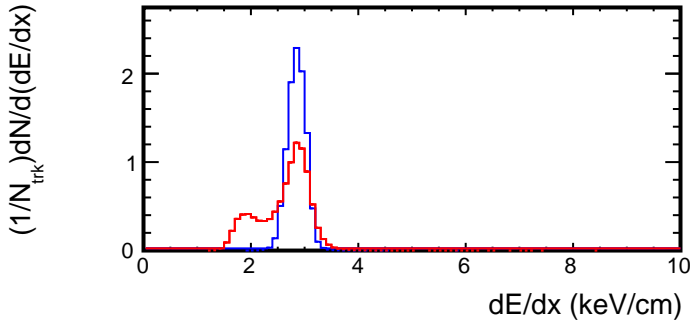
< Mc p < 1.6 GeV/c



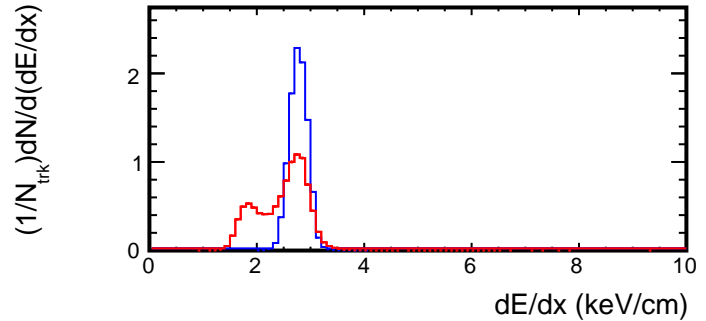
< Mc p < 1.8 GeV/c



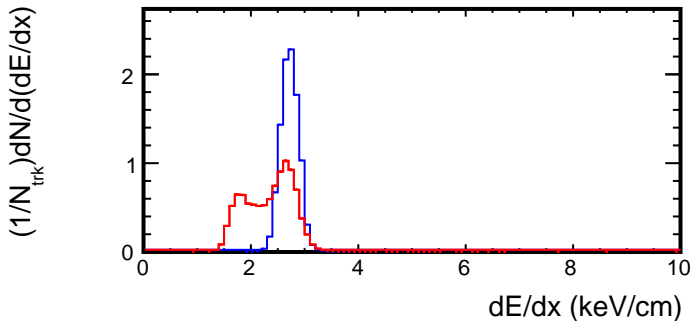
< Mc p < 2.0 GeV/c



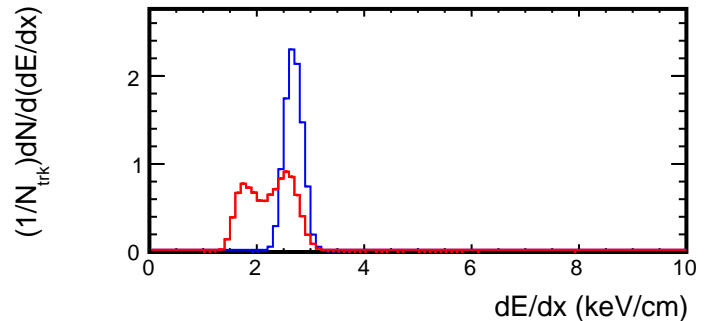
< Mc p < 2.2 GeV/c



< Mc p < 2.4 GeV/c



< Mc p < 2.6 GeV/c

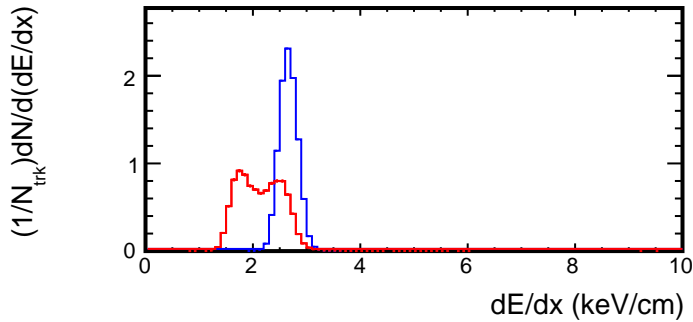


— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

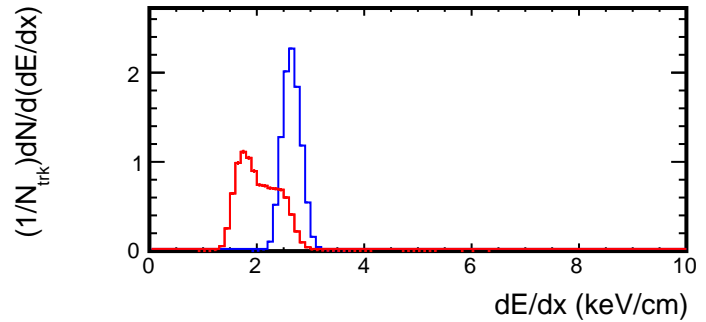
— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Projection of dE/dx for each p bin

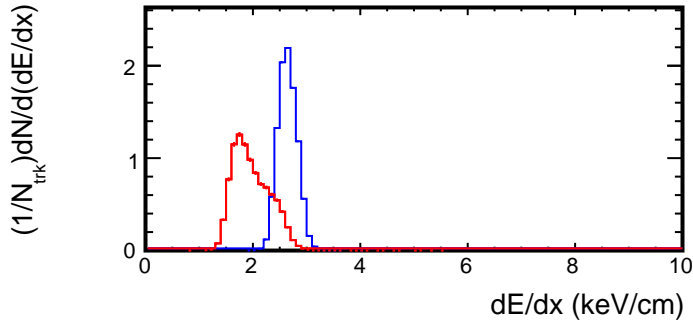
< Mc p < 2.8 GeV/c



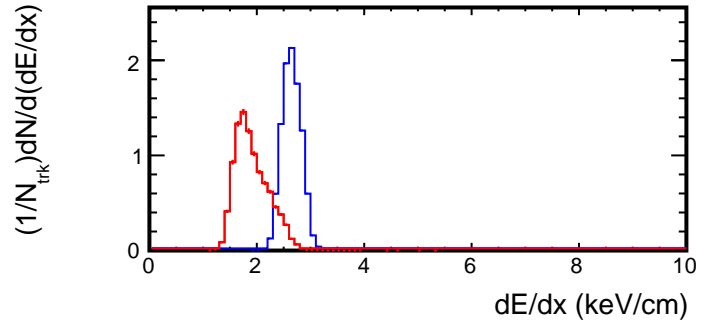
< Mc p < 3.0 GeV/c



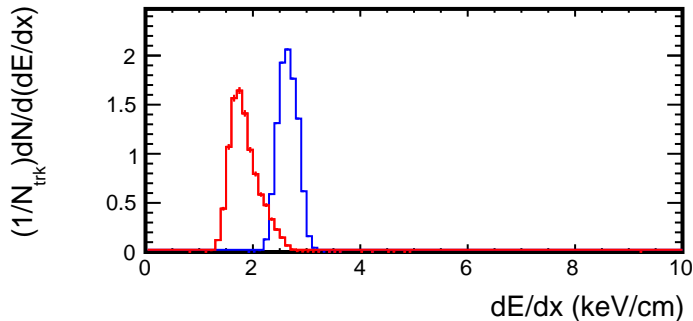
< Mc p < 3.2 GeV/c



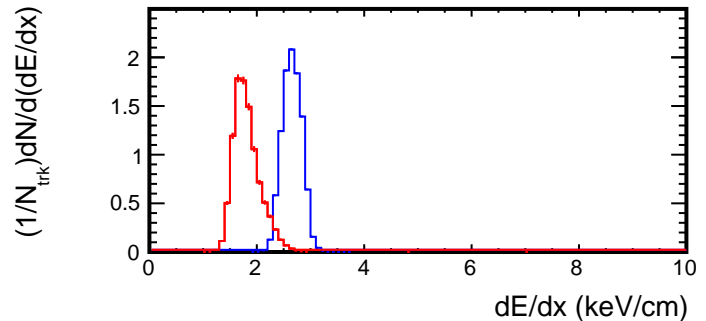
< Mc p < 3.4 GeV/c



< Mc p < 3.6 GeV/c



< Mc p < 3.8 GeV/c

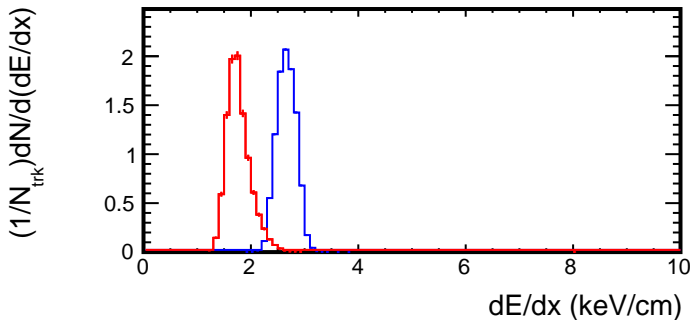


— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

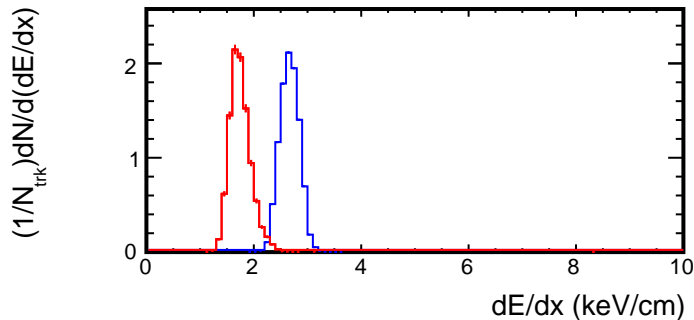
— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Projection of dE/dx for each p bin

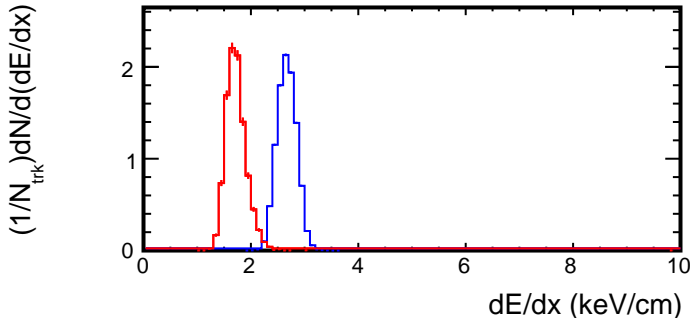
< Mc p < 4.0 GeV/c



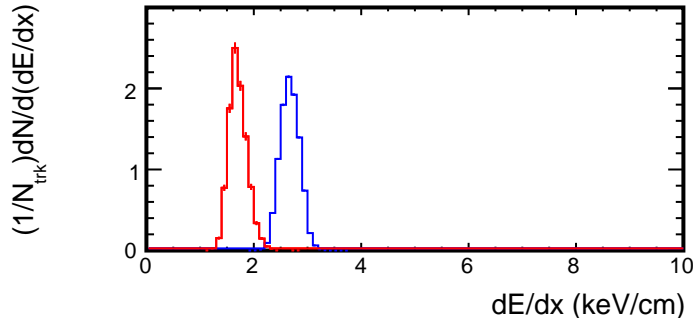
< Mc p < 4.2 GeV/c



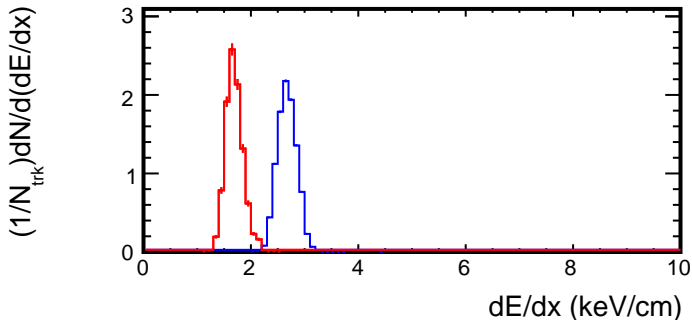
< Mc p < 4.4 GeV/c



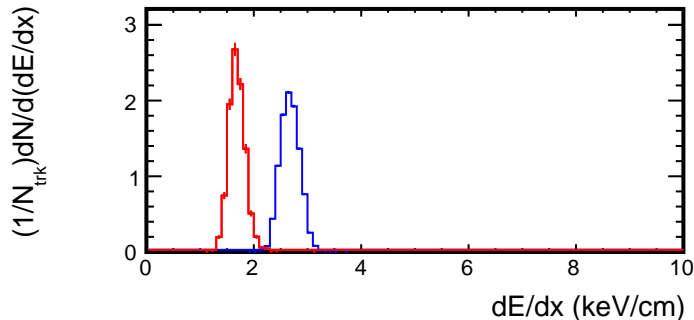
< Mc p < 4.6 GeV/c



< Mc p < 4.8 GeV/c



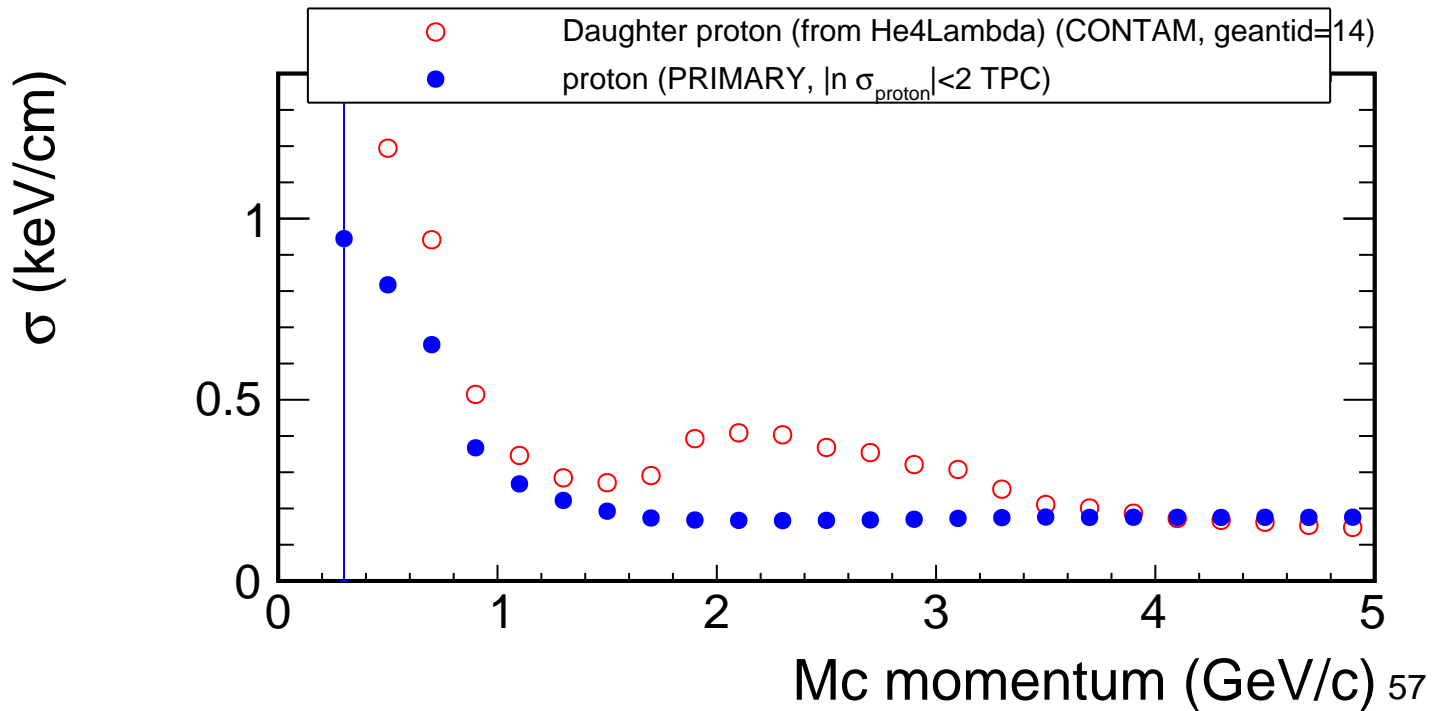
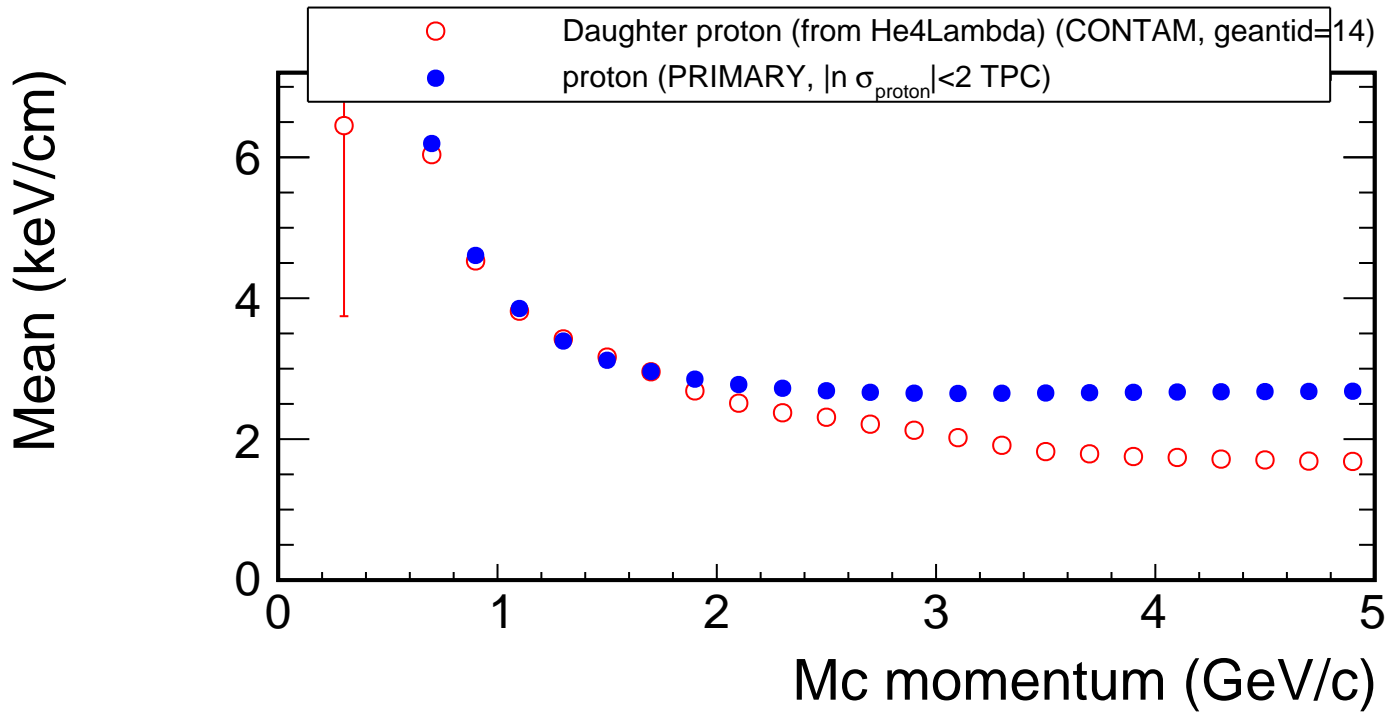
< Mc p < 5.0 GeV/c



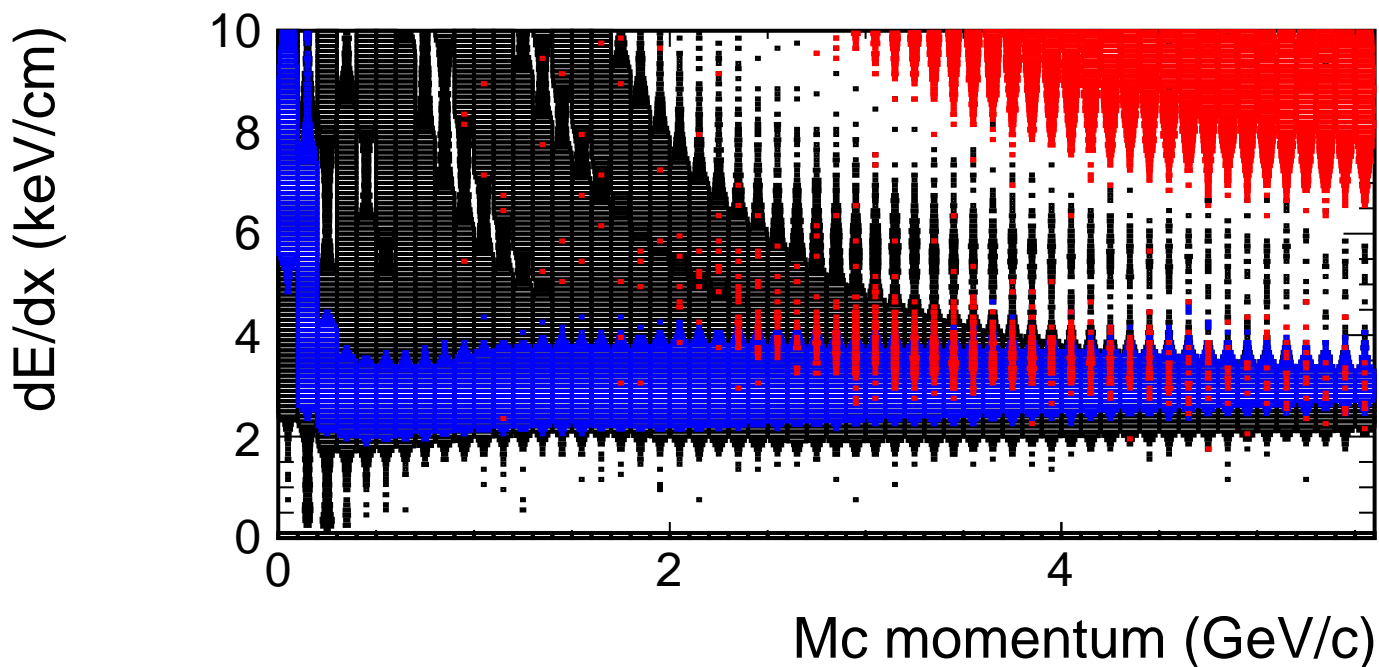
— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

— proton
(PRIMARY, $|n_{\sigma_{\text{proton}}}| < 2$ TPC)

Mean/ σ of dE/dx vs momentum

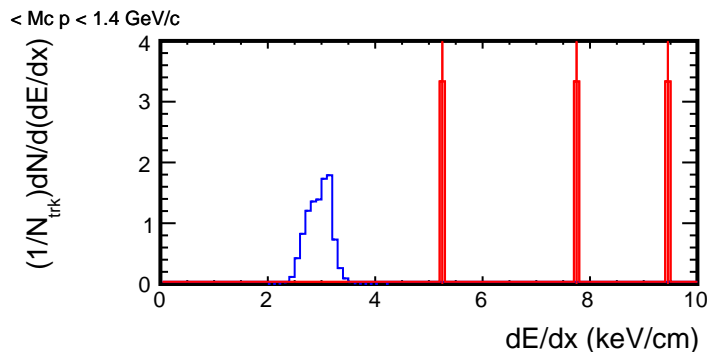
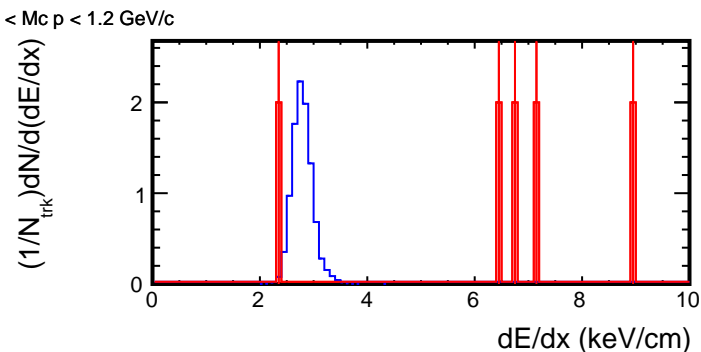
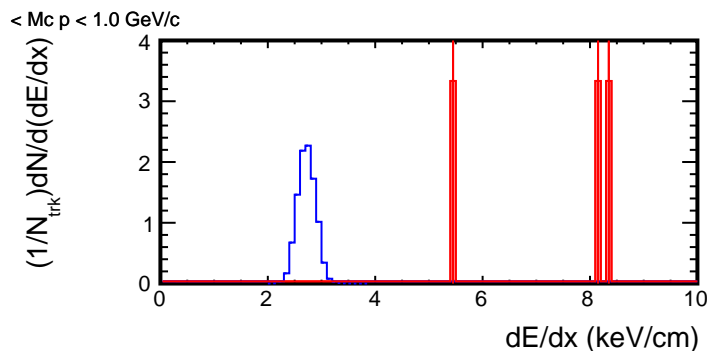
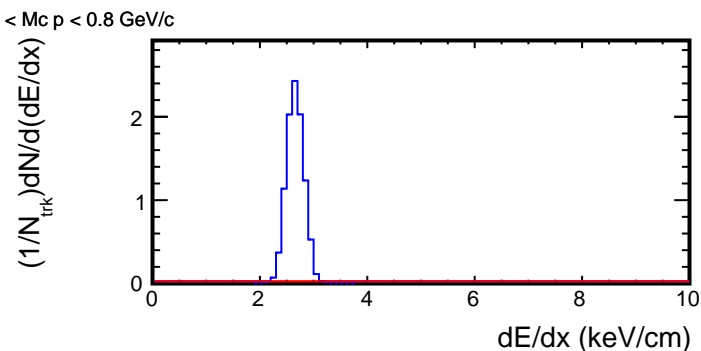
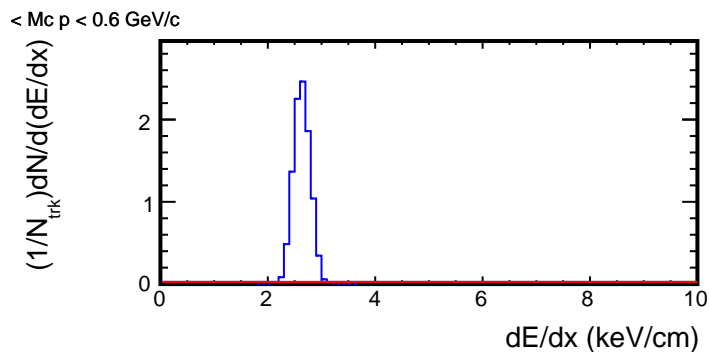
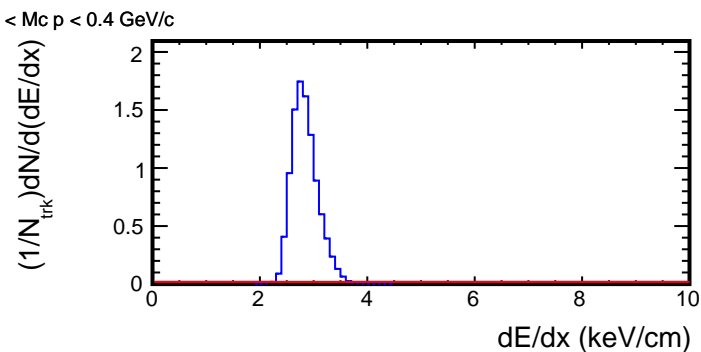


dE/dx vs momentum (Embedding:He3, Real:He3)



- Daughter He3 (from He4Lambda) (CONTAM, geantid=49)
- Real data
- Real data with PID cut ($\sigma < 2$) TPC

Projection of dE/dx for each p bin

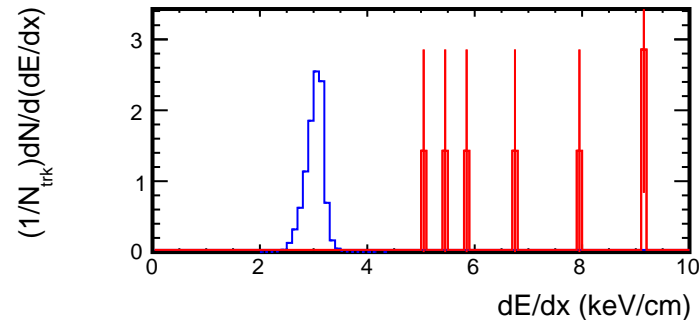


— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

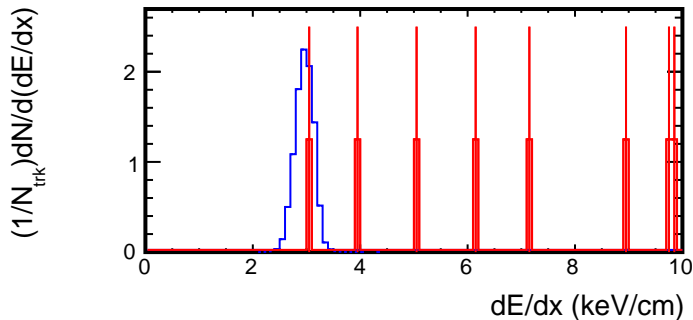
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Projection of dE/dx for each p bin

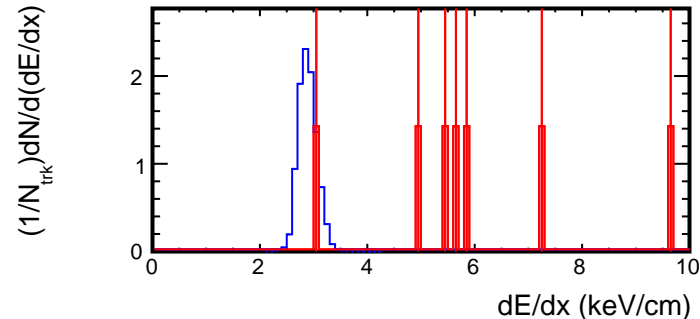
< Mc p < 1.6 GeV/c



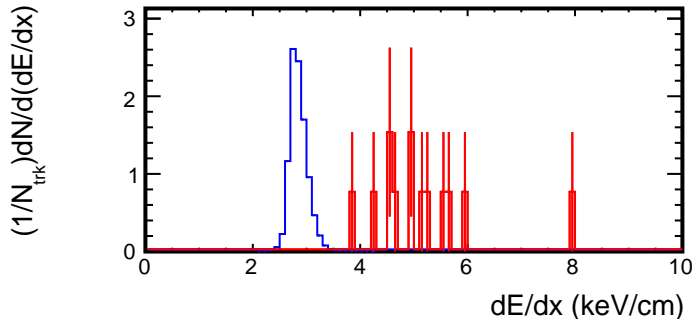
< Mc p < 1.8 GeV/c



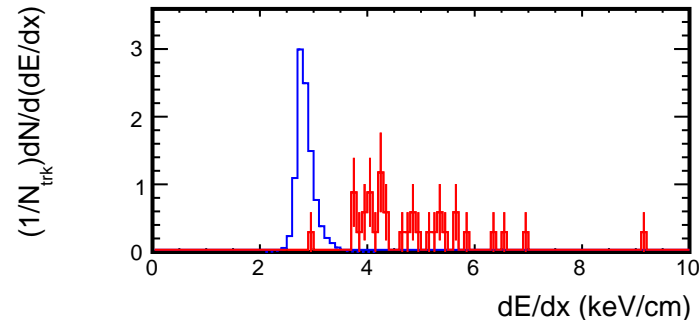
< Mc p < 2.0 GeV/c



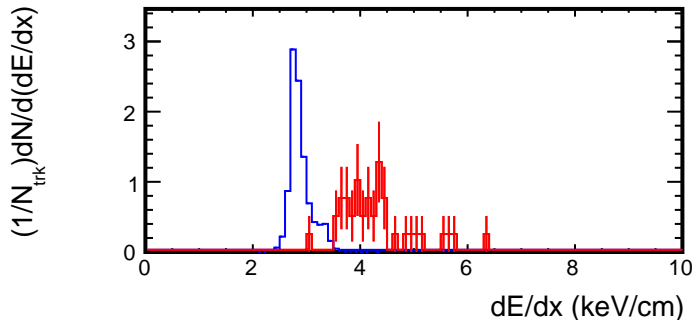
< Mc p < 2.2 GeV/c



< Mc p < 2.4 GeV/c



< Mc p < 2.6 GeV/c

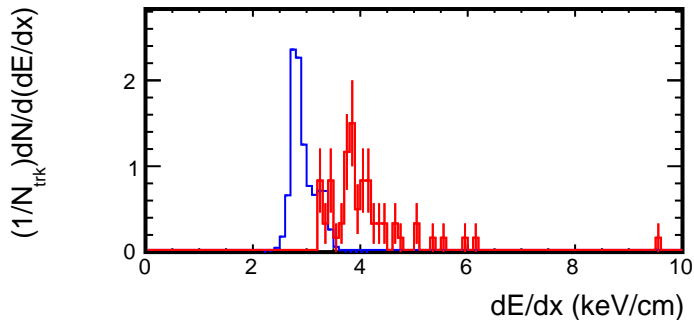


— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

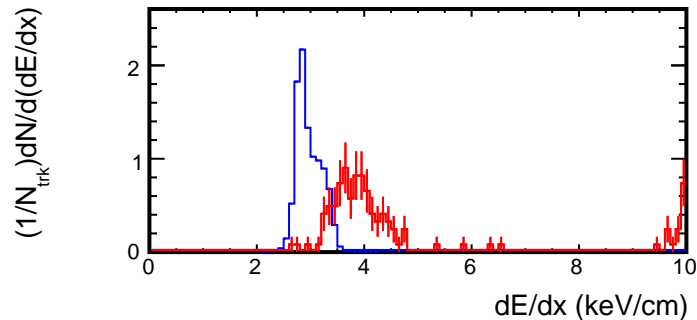
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Projection of dE/dx for each p bin

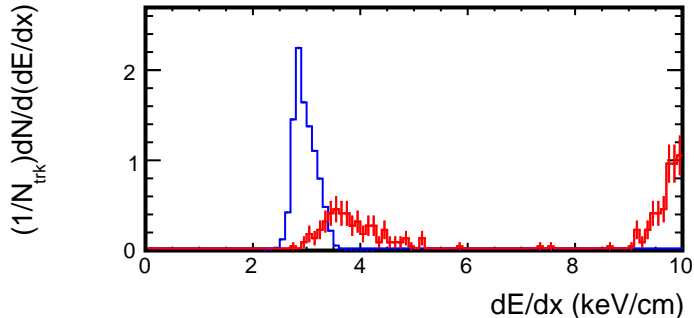
< Mc p < 2.8 GeV/c



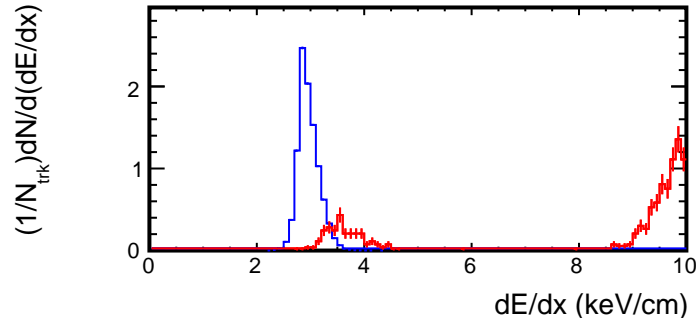
< Mc p < 3.0 GeV/c



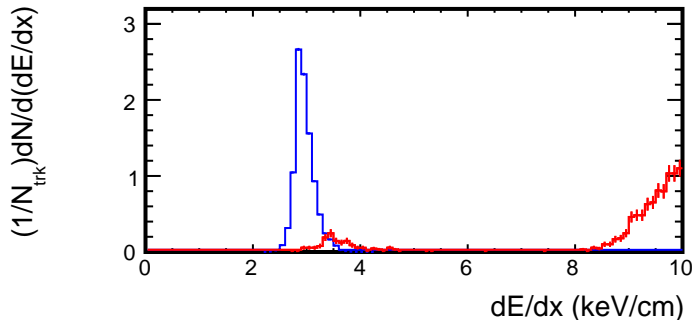
< Mc p < 3.2 GeV/c



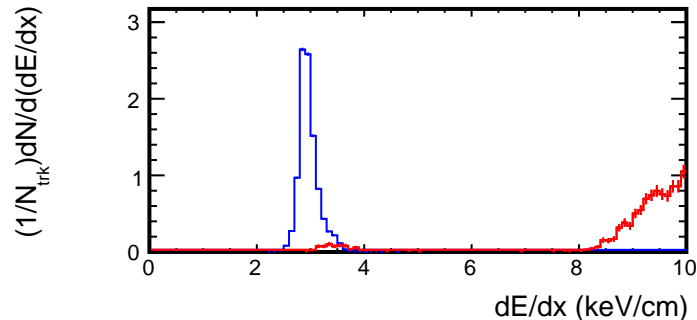
< Mc p < 3.4 GeV/c



< Mc p < 3.6 GeV/c



< Mc p < 3.8 GeV/c

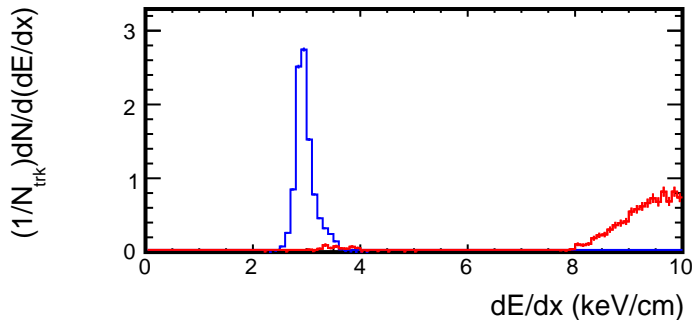


— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

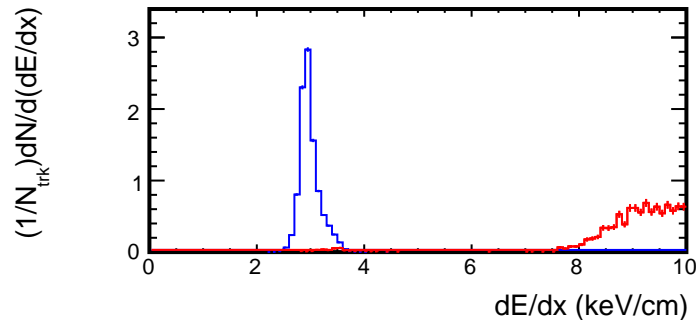
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Projection of dE/dx for each p bin

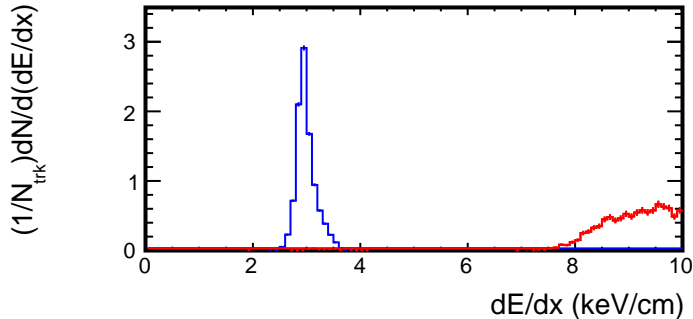
< Mc p < 4.0 GeV/c



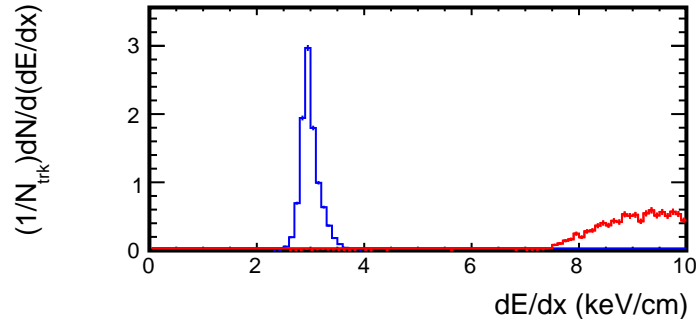
< Mc p < 4.2 GeV/c



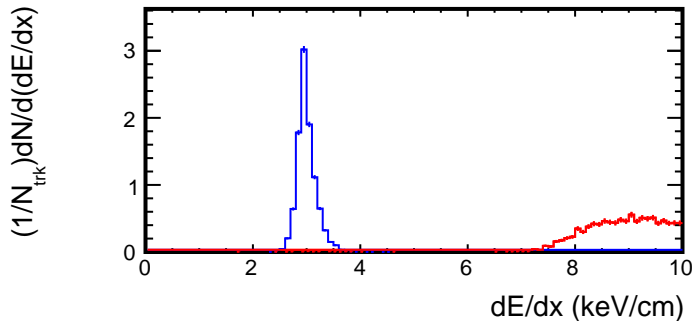
< Mc p < 4.4 GeV/c



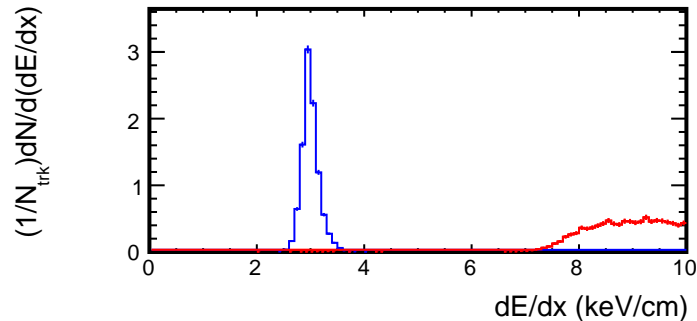
< Mc p < 4.6 GeV/c



< Mc p < 4.8 GeV/c



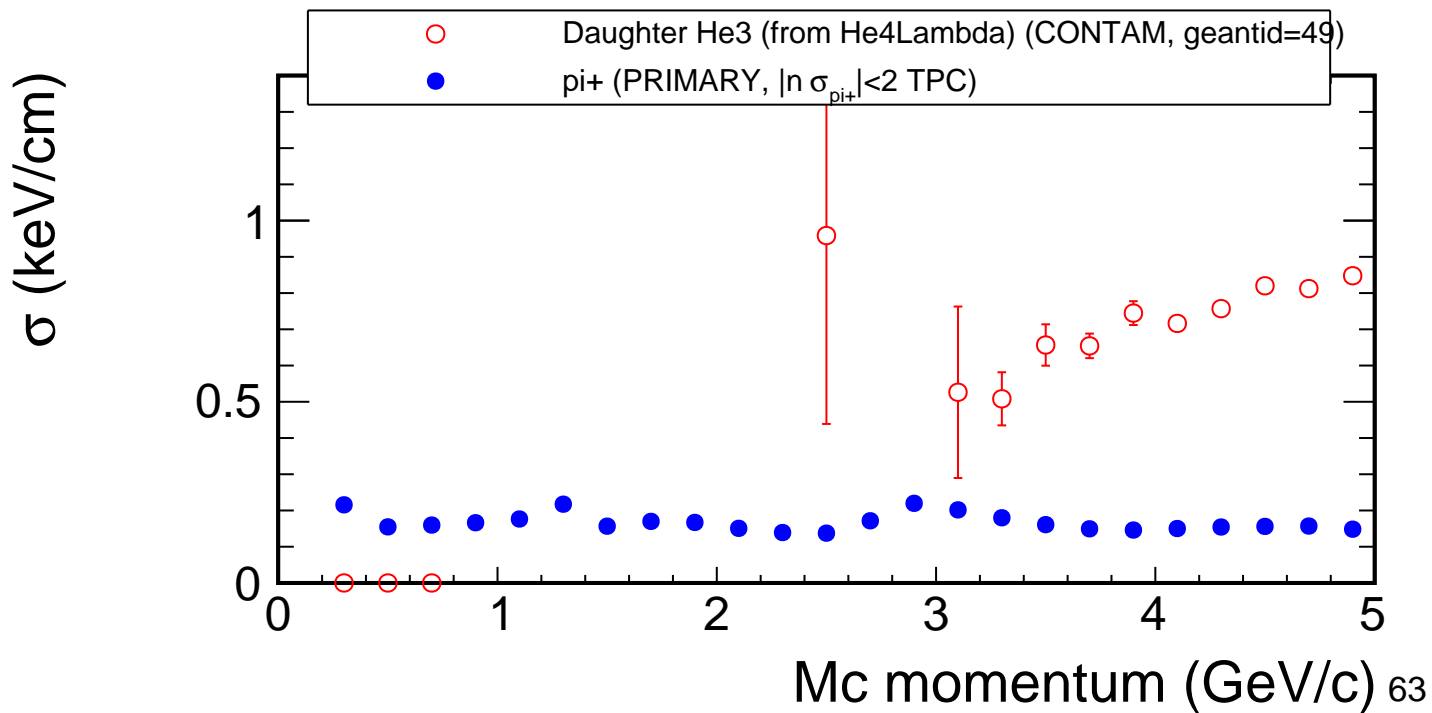
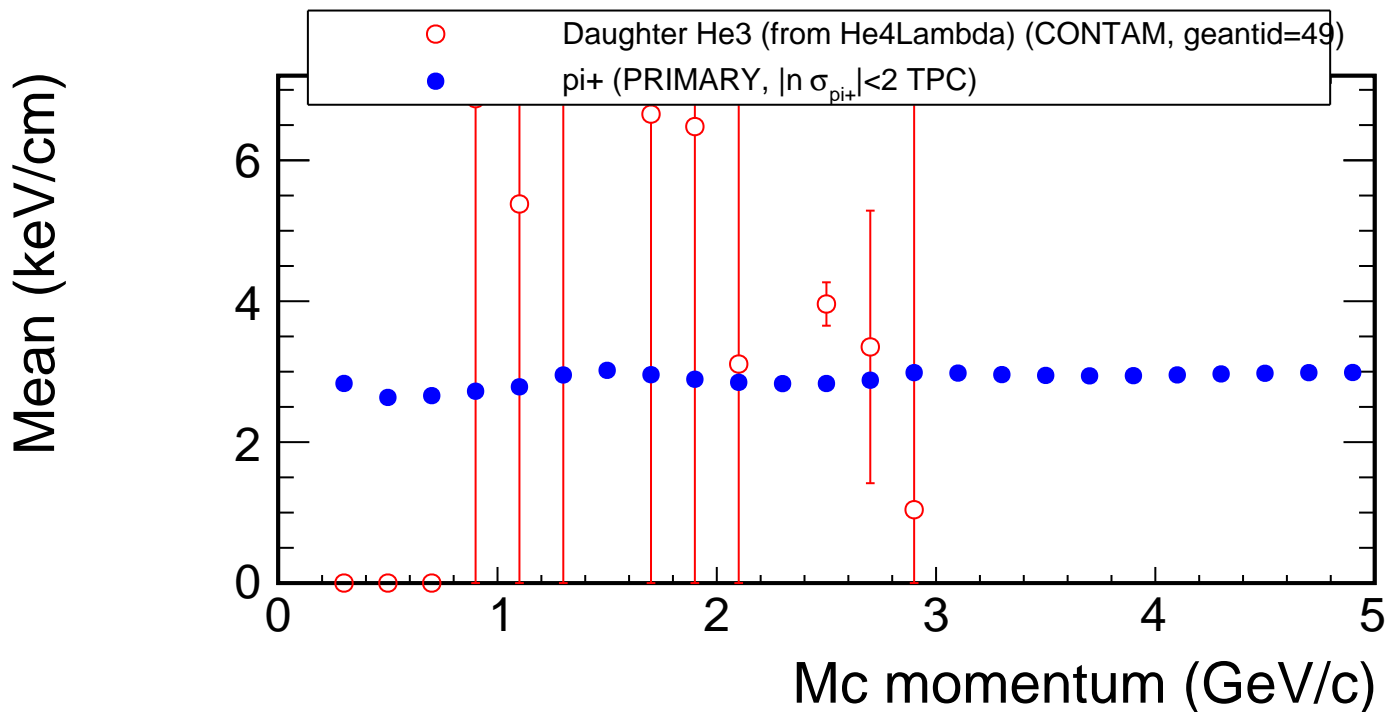
< Mc p < 5.0 GeV/c



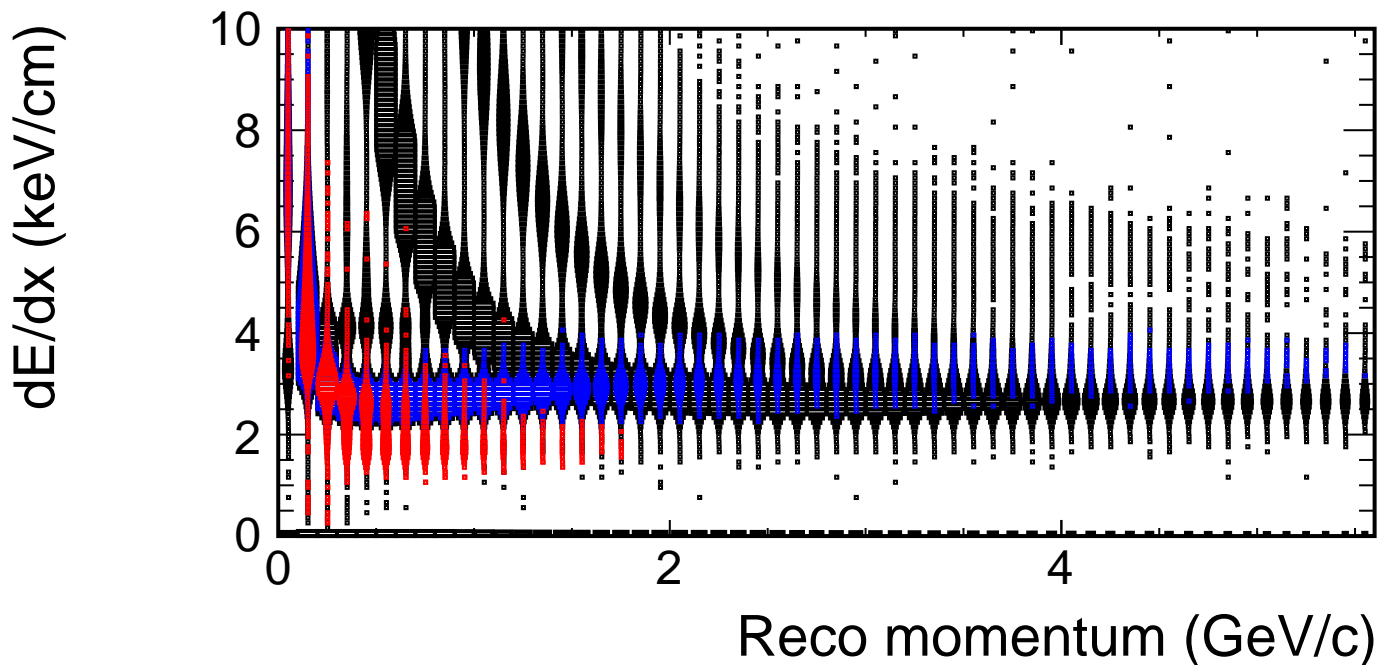
— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

— pi+
(PRIMARY, $|n_{\sigma_{\text{pi}^+}}| < 2$ TPC)

Mean/ σ of dE/dx vs momentum

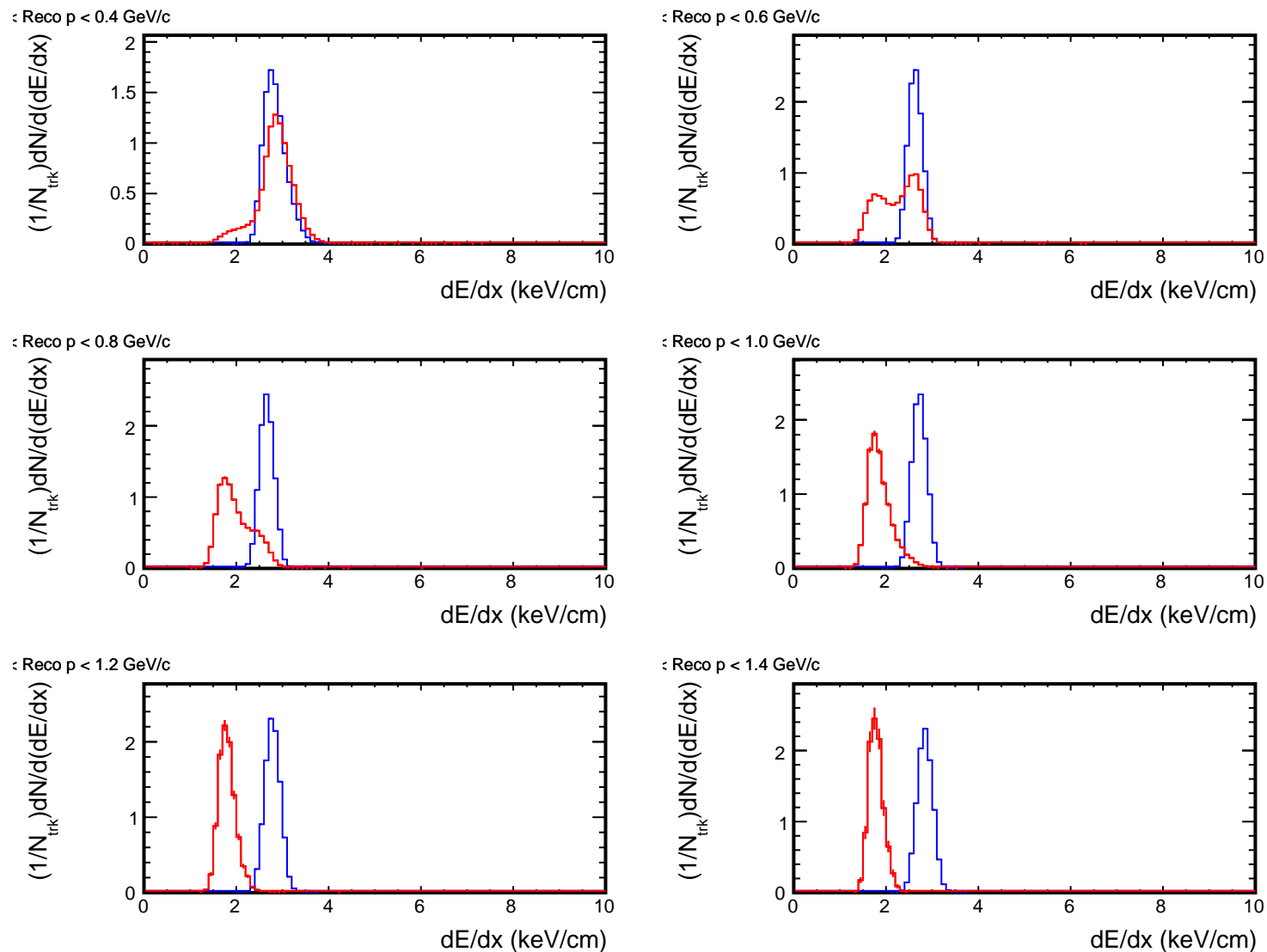


dE/dx vs momentum (Embedding:pi-, Real:pi-)



- Daughter π^- (from He4Lambda) (CONTAM, geantid=9)
- Real data
- Real data with PID cut ($\sigma < 2$) TPC

Projection of dE/dx for each p bin

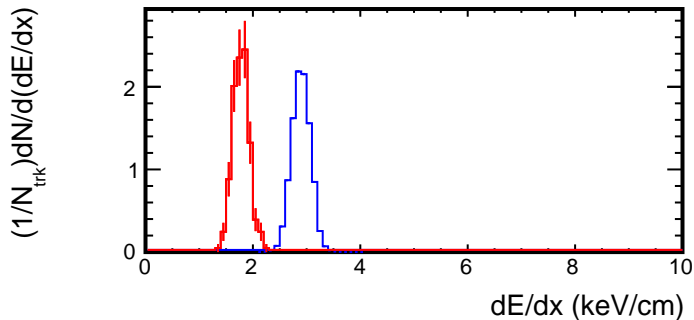


— Daughter pi- (from He4Lambda)
 (CONTAM, geantid=9)

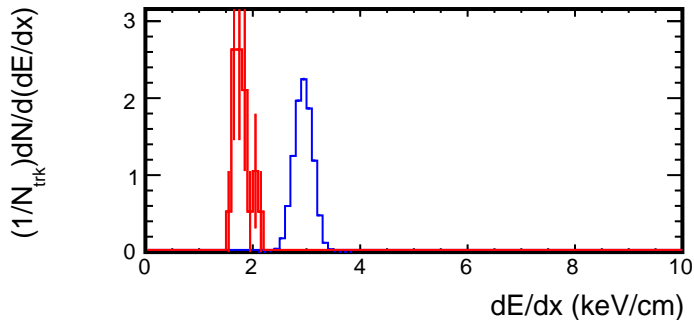
— pi-
 (PRIMARY, $|\ln \sigma_{\text{pi-}}| < 2$ TPC)

Projection of dE/dx for each p bin

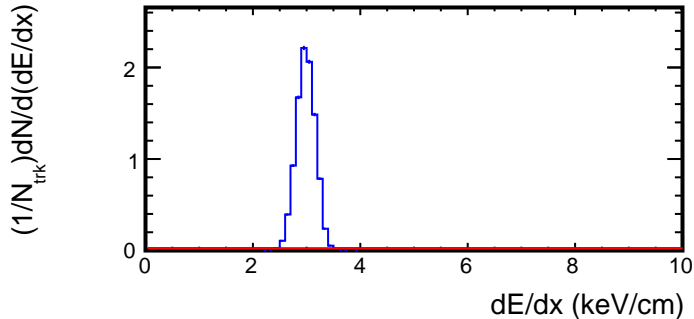
: Reco p < 1.6 GeV/c



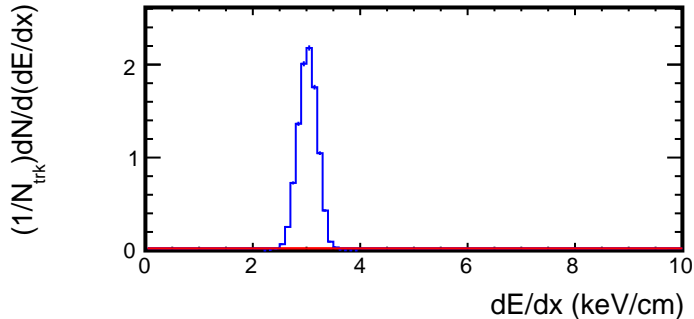
: Reco p < 1.8 GeV/c



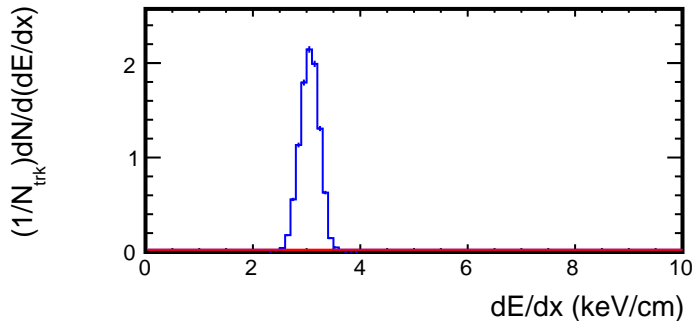
: Reco p < 2.0 GeV/c



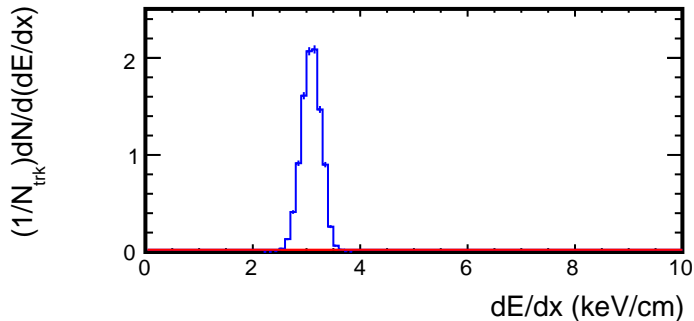
: Reco p < 2.2 GeV/c



: Reco p < 2.4 GeV/c



: Reco p < 2.6 GeV/c

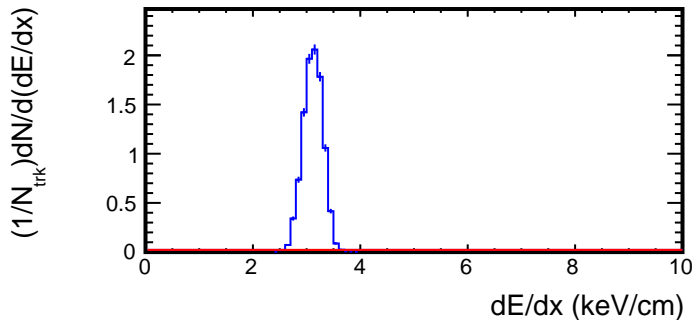


— Daughter pi- (from He4Lambda)
(CONTAM, geantid=9)

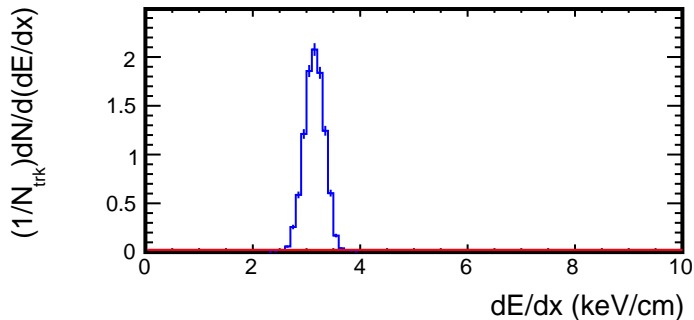
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi-}}| < 2$ TPC)

Projection of dE/dx for each p bin

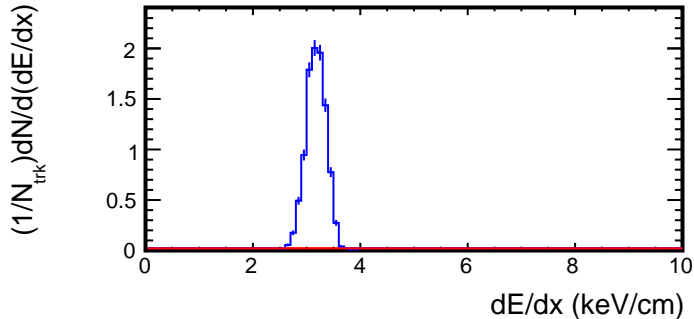
: Reco p < 2.8 GeV/c



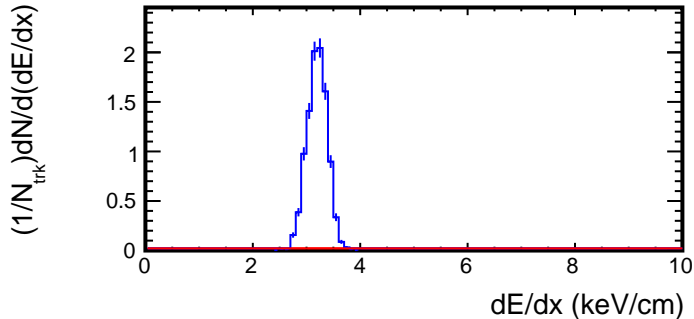
: Reco p < 3.0 GeV/c



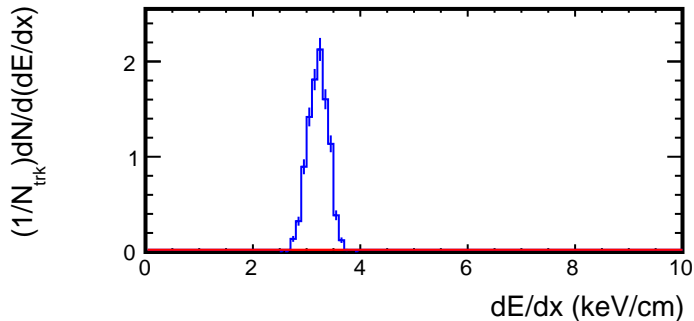
: Reco p < 3.2 GeV/c



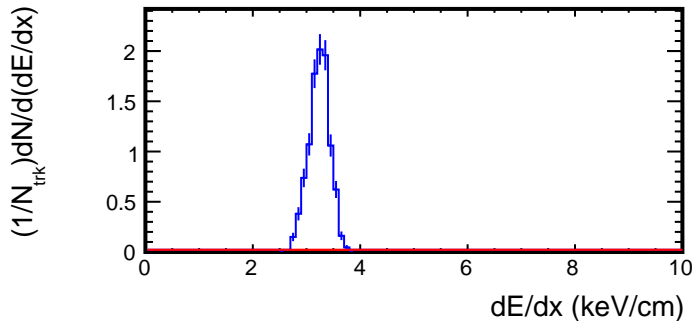
: Reco p < 3.4 GeV/c



: Reco p < 3.6 GeV/c



: Reco p < 3.8 GeV/c

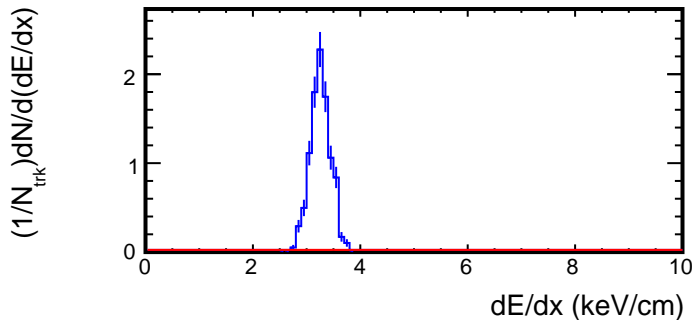


— Daughter pi- (from He4Lambda)
(CONTAM, geantid=9)

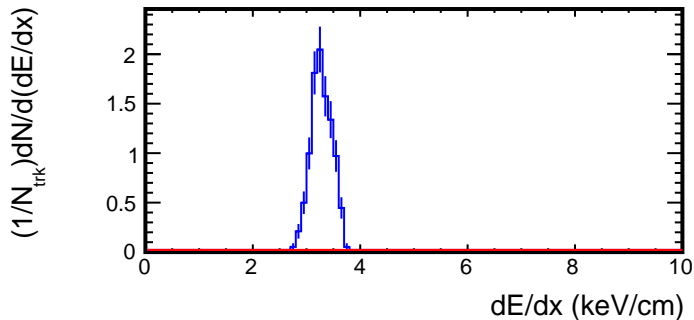
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi-}}| < 2$ TPC)

Projection of dE/dx for each p bin

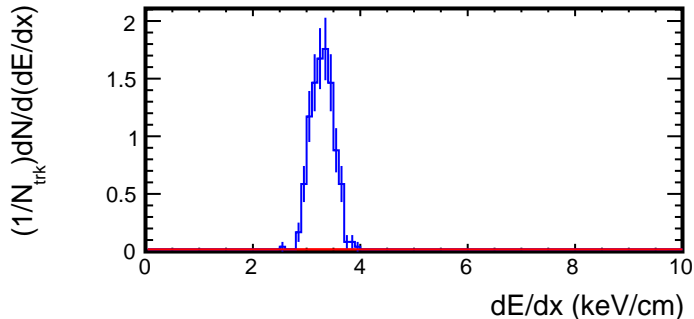
: Reco p < 4.0 GeV/c



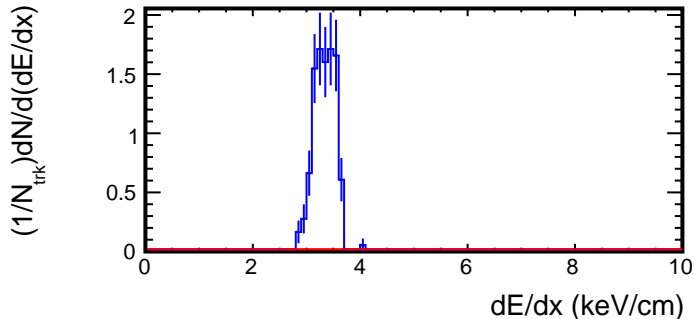
: Reco p < 4.2 GeV/c



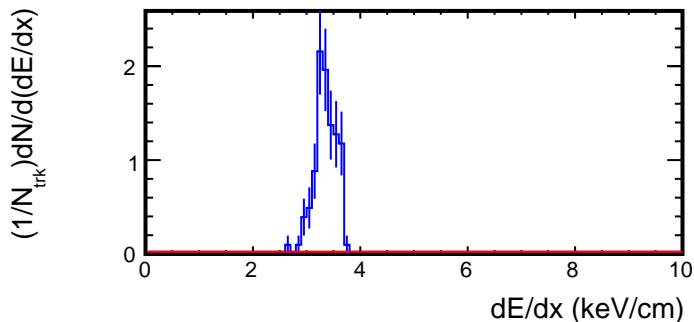
: Reco p < 4.4 GeV/c



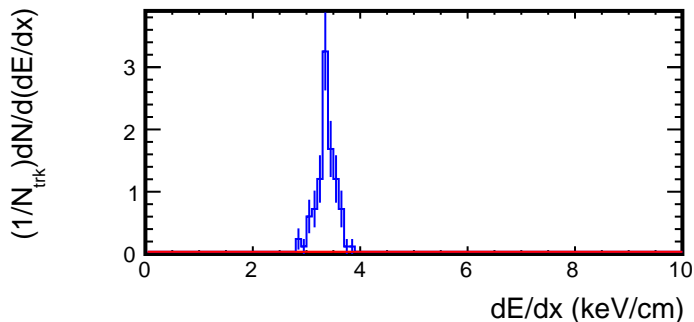
: Reco p < 4.6 GeV/c



: Reco p < 4.8 GeV/c



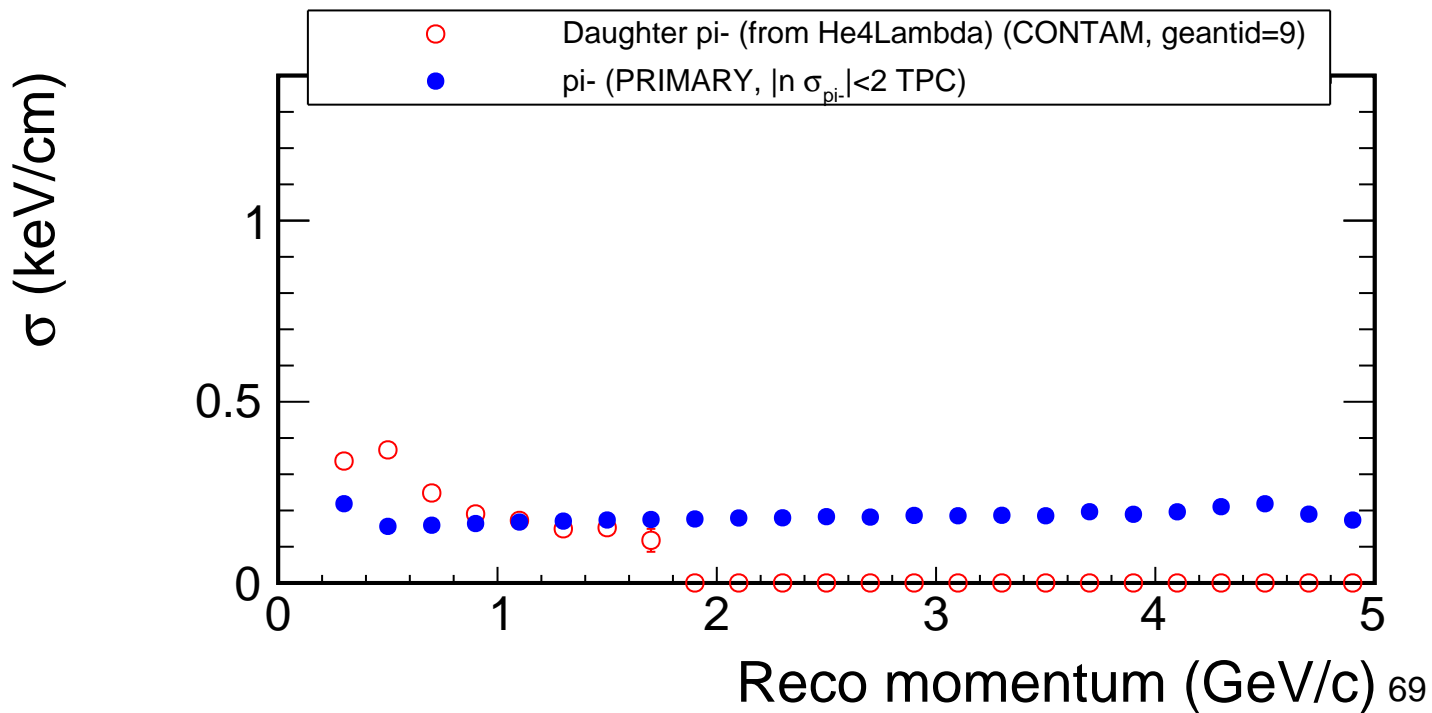
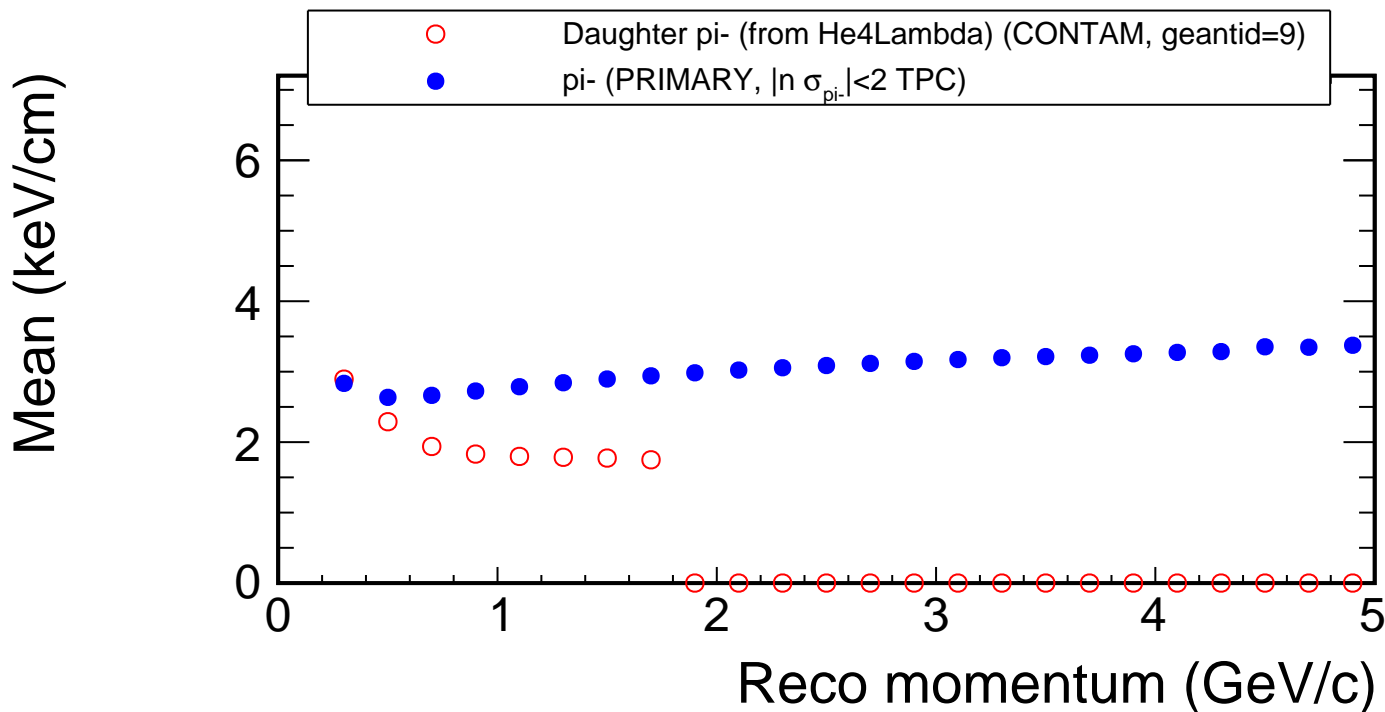
: Reco p < 5.0 GeV/c



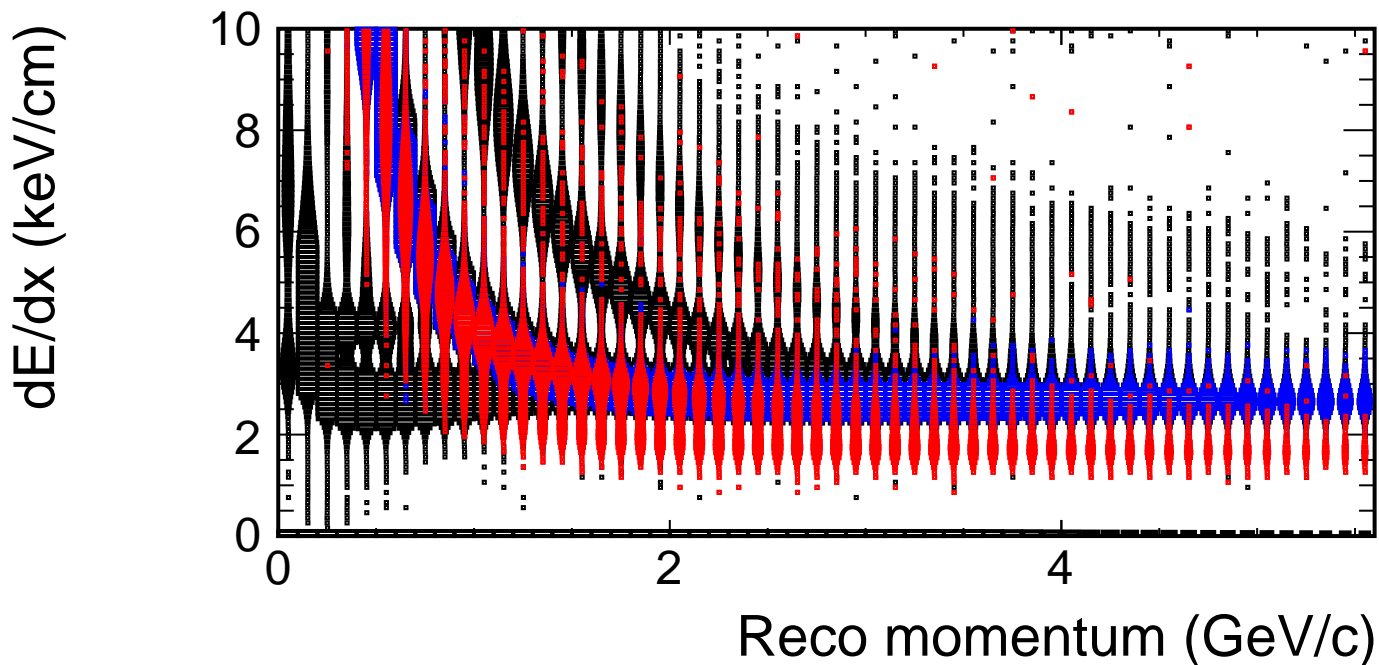
— Daughter pi- (from He4Lambda)
(CONTAM, geantid=9)

— pi-
(PRIMARY, $|n_{\sigma_{\pi^-}}| < 2$ TPC)

Mean/ σ of dE/dx vs momentum

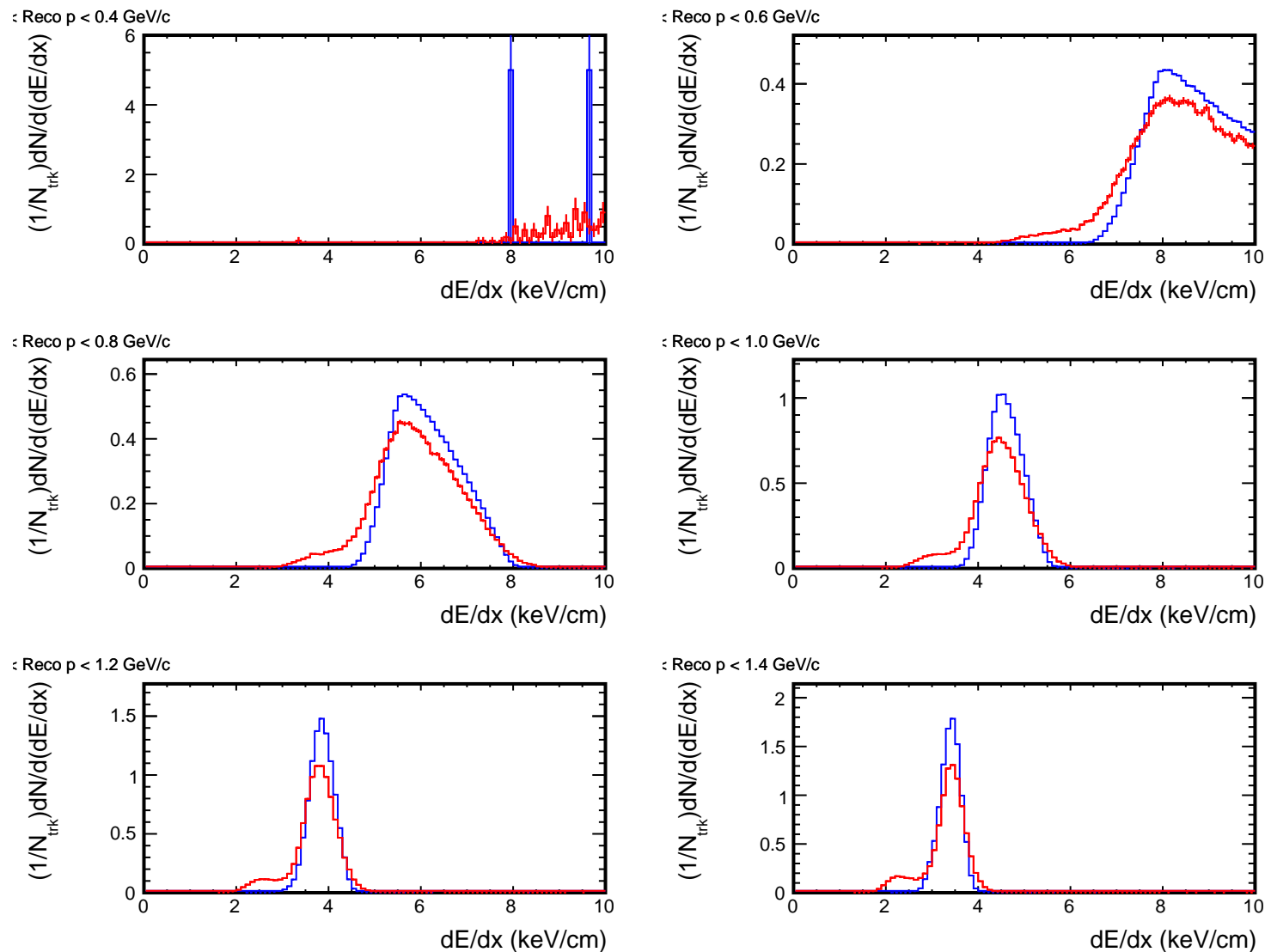


dE/dx vs momentum (Embedding:proton, Real:proton)



- Daughter proton (from He4Lambda) (CONTAM, geantid=14)
- Real data
- Real data with PID cut ($\sigma < 2$) TPC

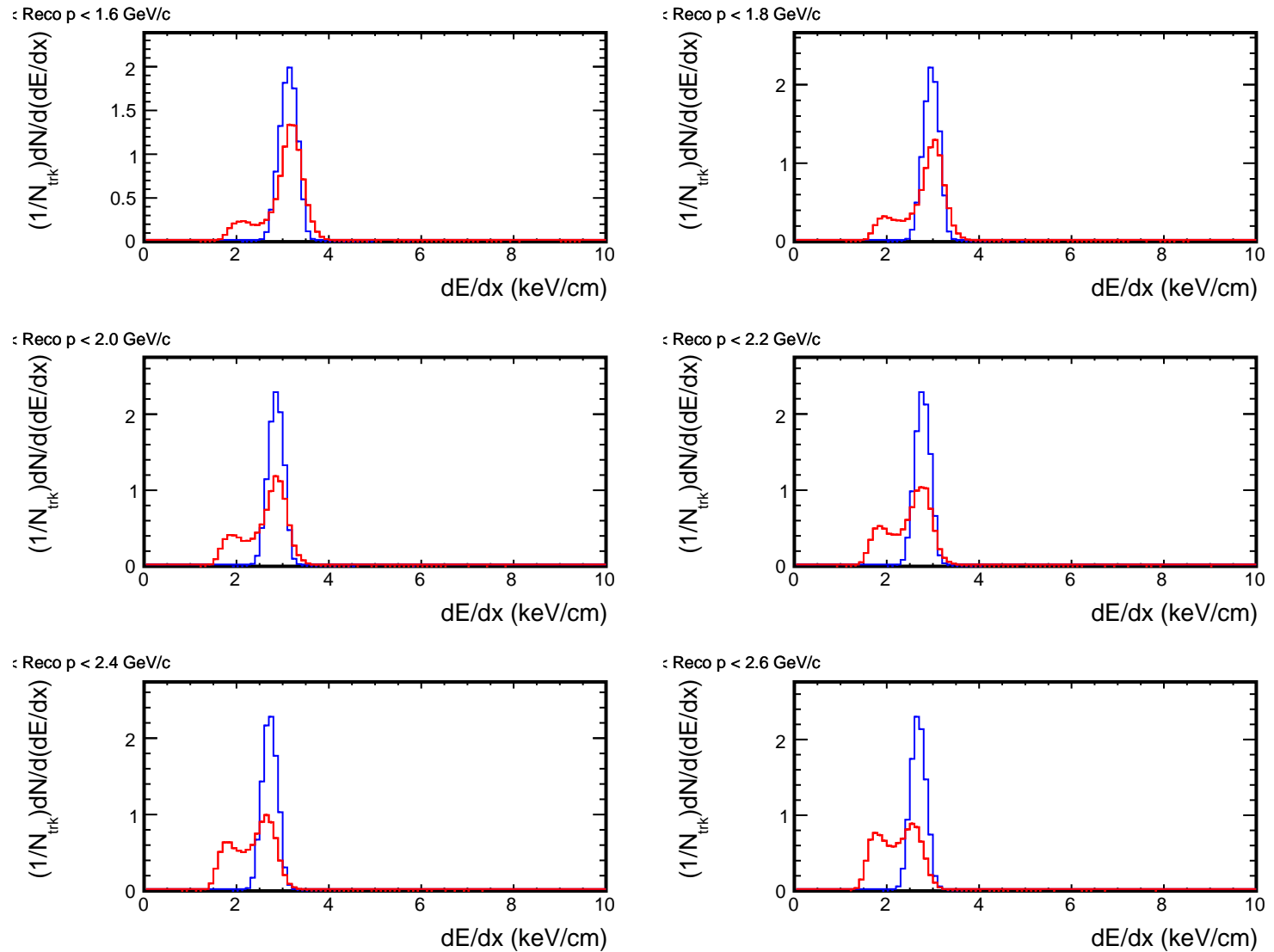
Projection of dE/dx for each p bin



— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Projection of dE/dx for each p bin

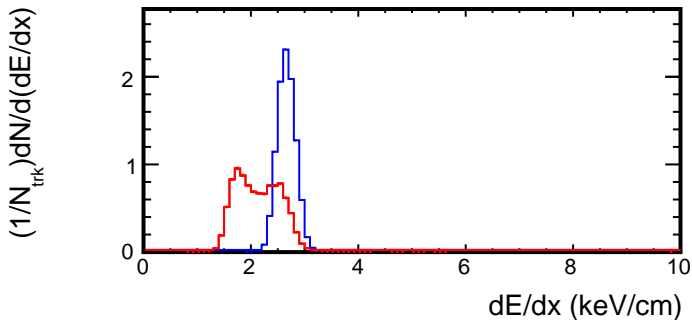


— Daughter proton (from He4Lambda)
 (CONTAM, geantid=14)

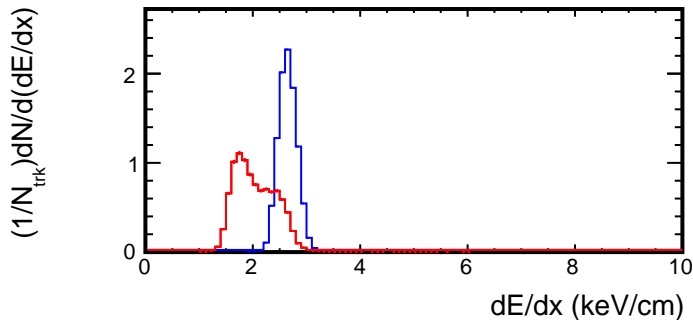
— proton
 (PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Projection of dE/dx for each p bin

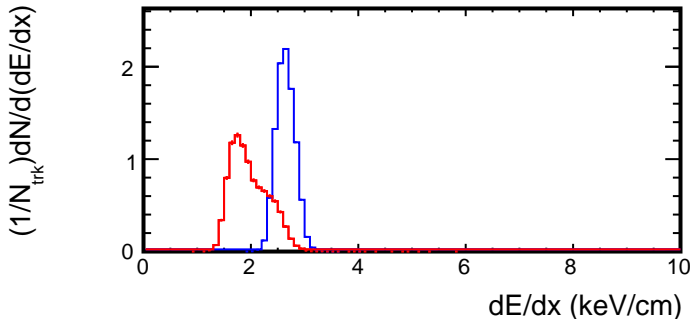
: Reco p < 2.8 GeV/c



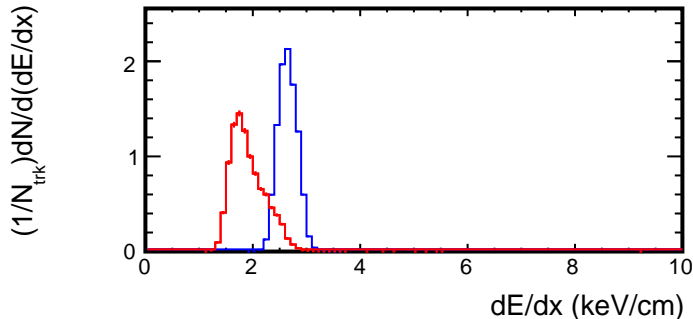
: Reco p < 3.0 GeV/c



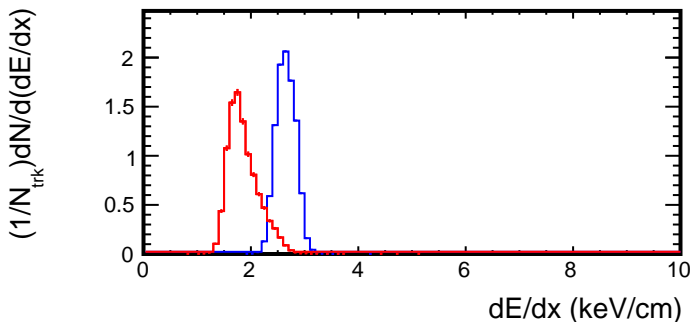
: Reco p < 3.2 GeV/c



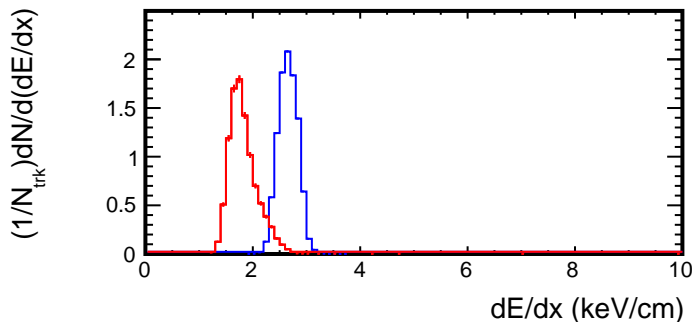
: Reco p < 3.4 GeV/c



: Reco p < 3.6 GeV/c



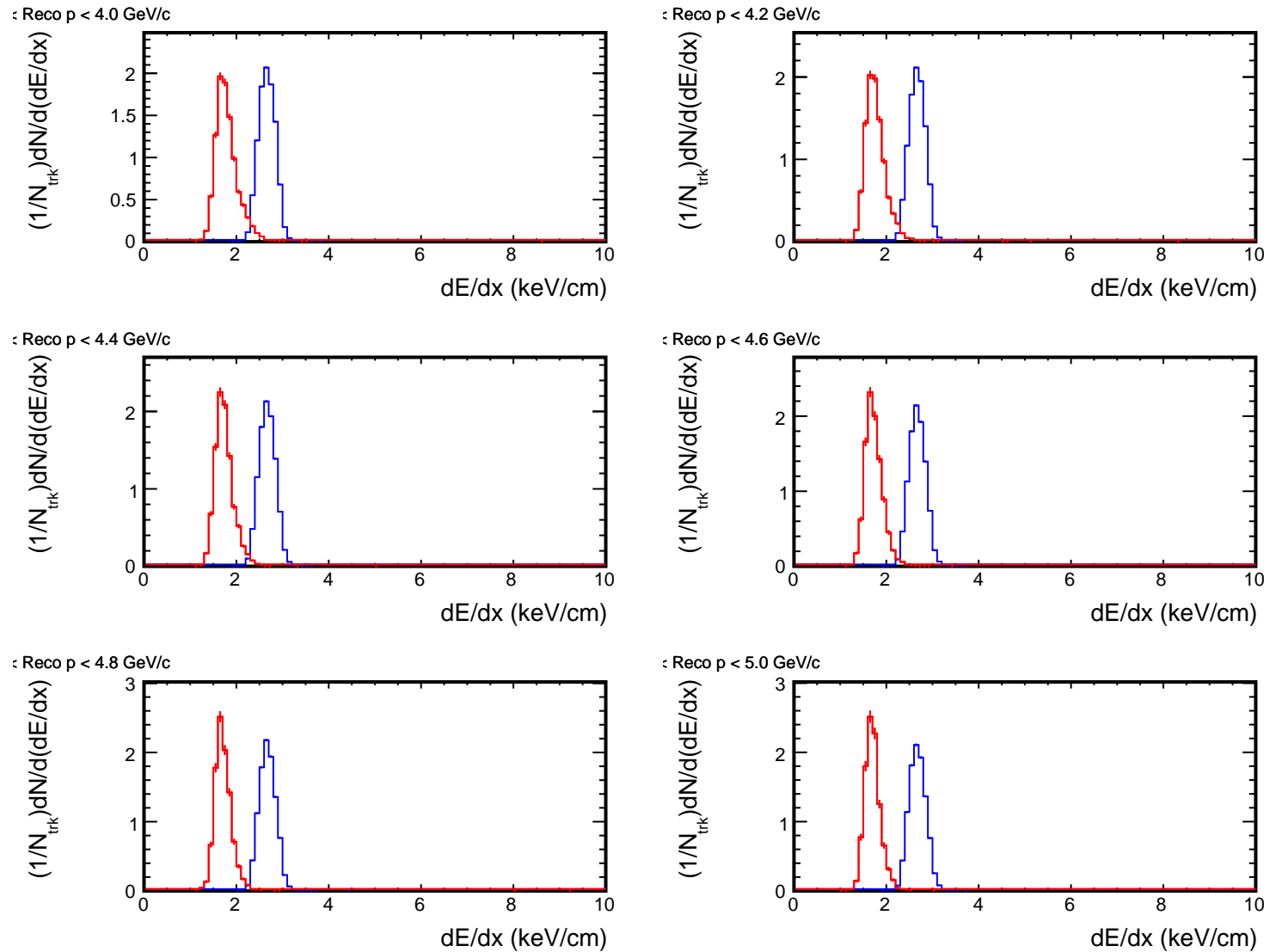
: Reco p < 3.8 GeV/c



— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

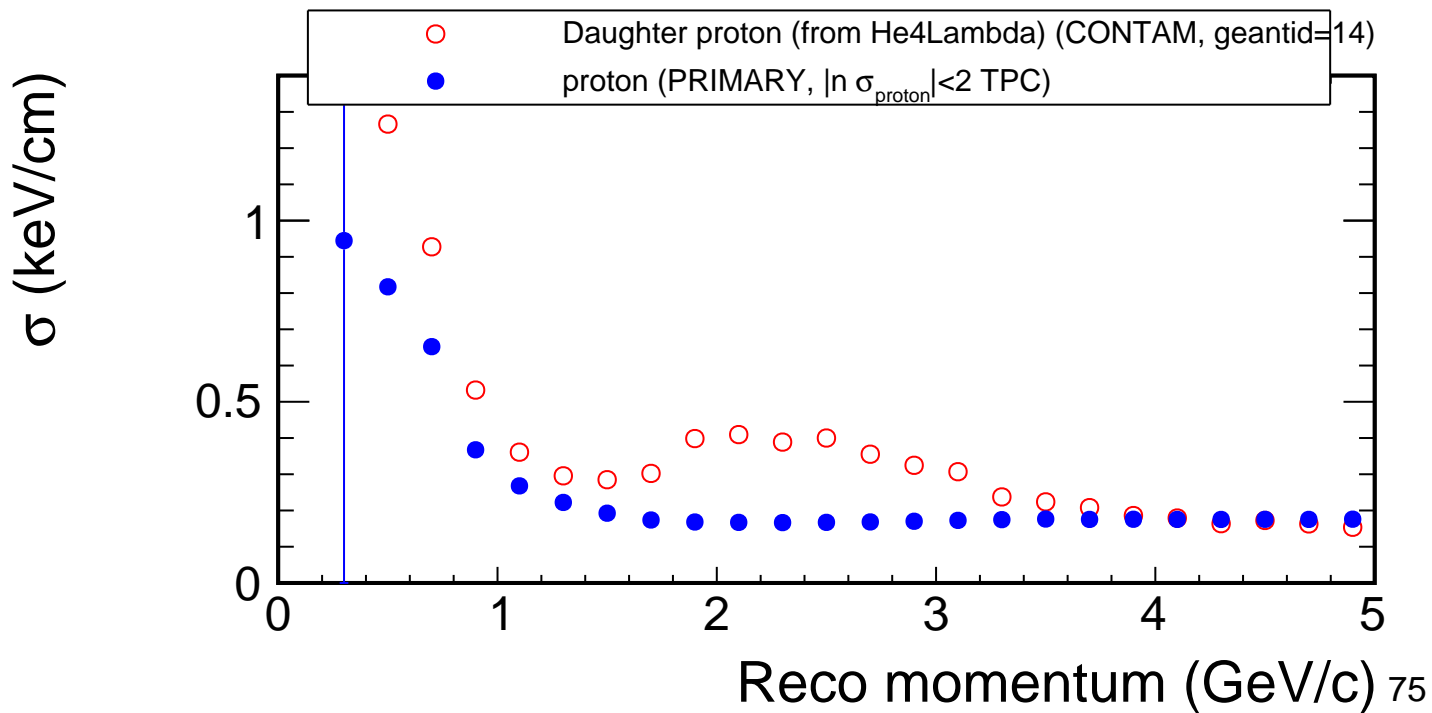
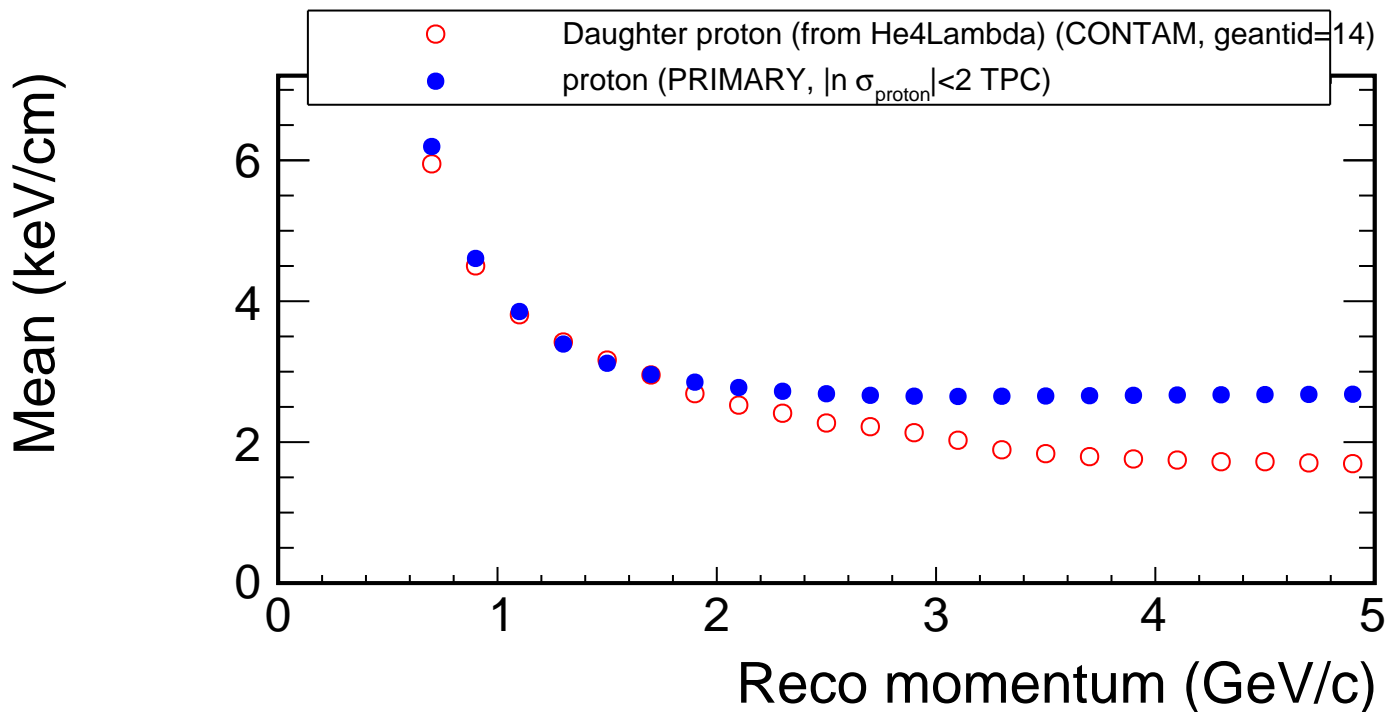
Projection of dE/dx for each p bin



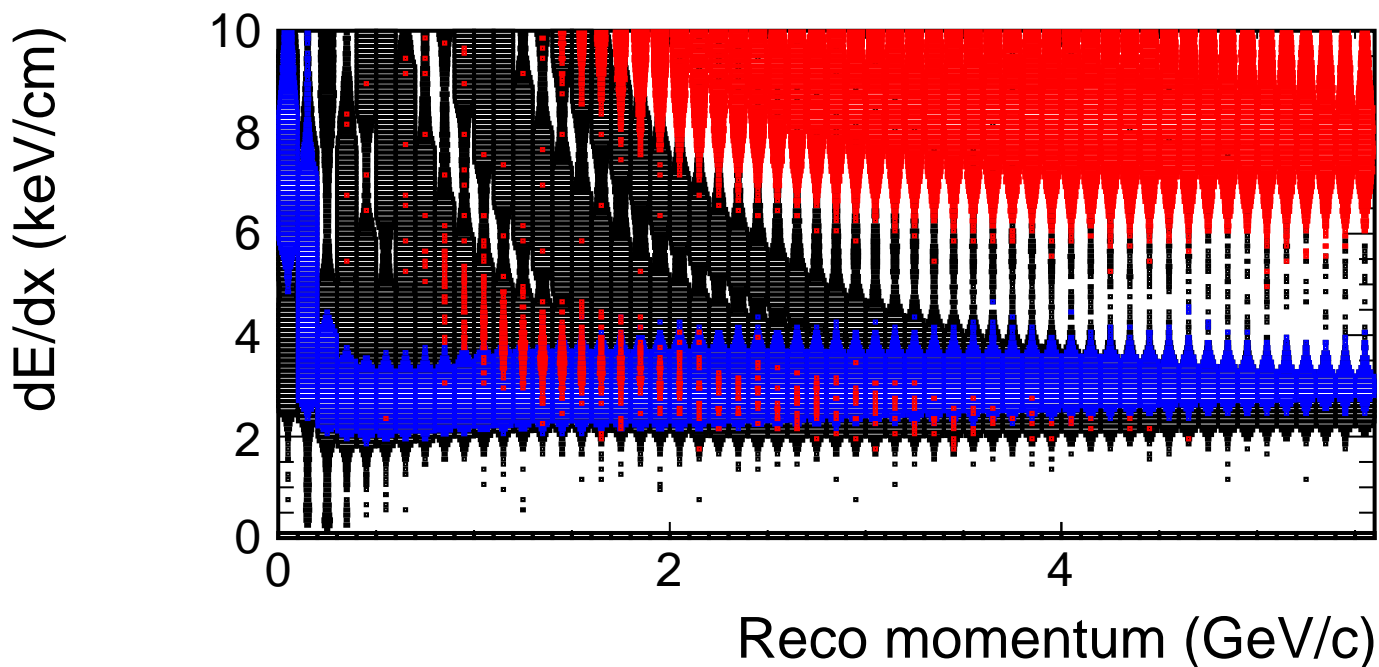
— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

— proton
(PRIMARY, $|n\sigma_{\text{proton}}| < 2$ TPC)

Mean/ σ of dE/dx vs momentum

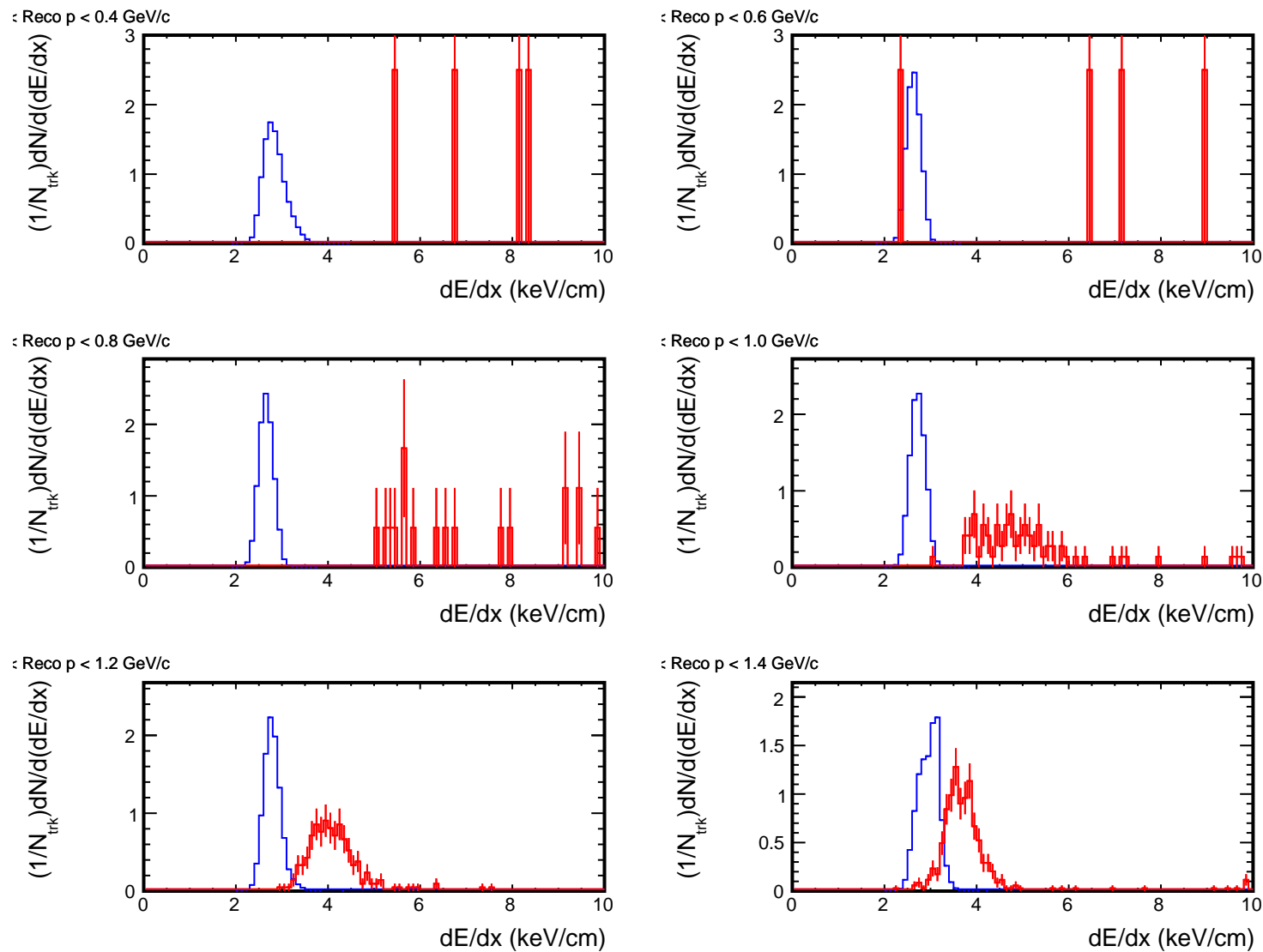


dE/dx vs momentum (Embedding:He3, Real:He3)



- Daughter He3 (from He4Lambda) (CONTAM, geantid=49)
- Real data
- Real data with PID cut ($\sigma < 2$) TPC

Projection of dE/dx for each p bin

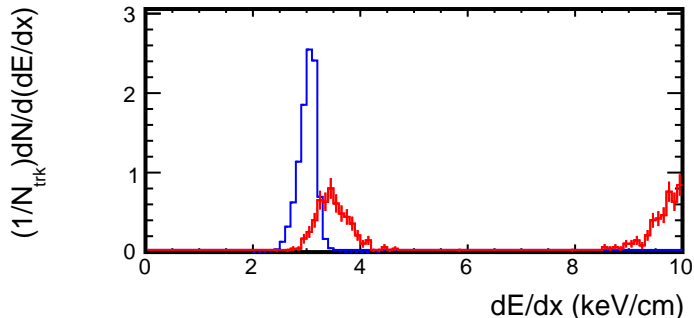


— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

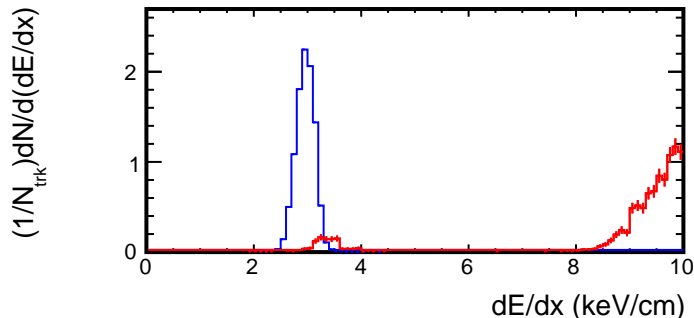
— π^+
(PRIMARY, $|\ln \sigma_{\pi^+}| < 2$ TPC)

Projection of dE/dx for each p bin

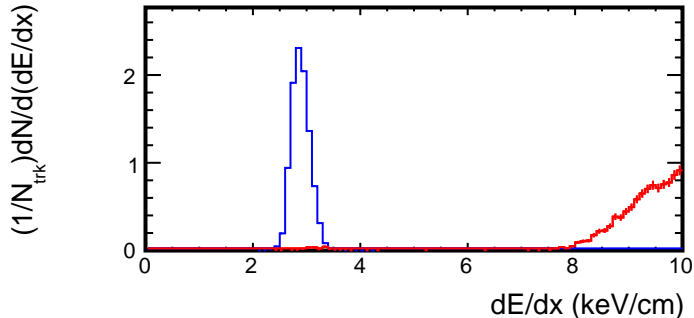
: Reco p < 1.6 GeV/c



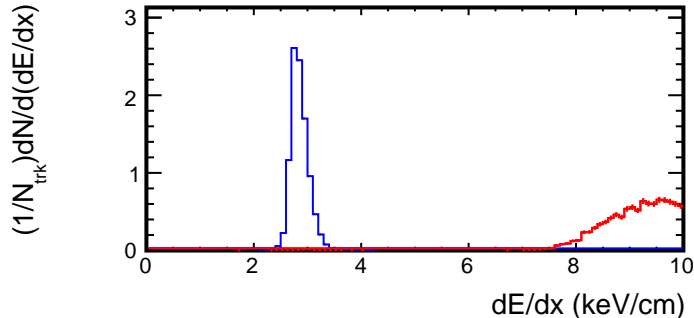
: Reco p < 1.8 GeV/c



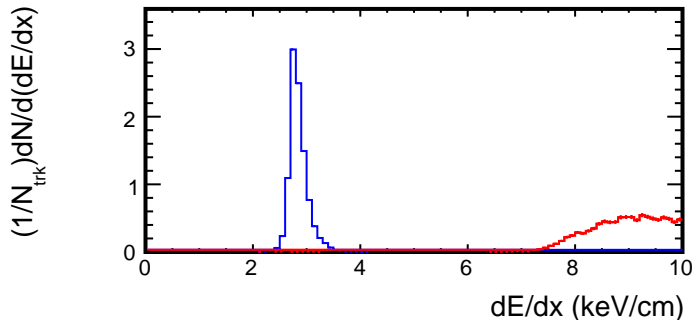
: Reco p < 2.0 GeV/c



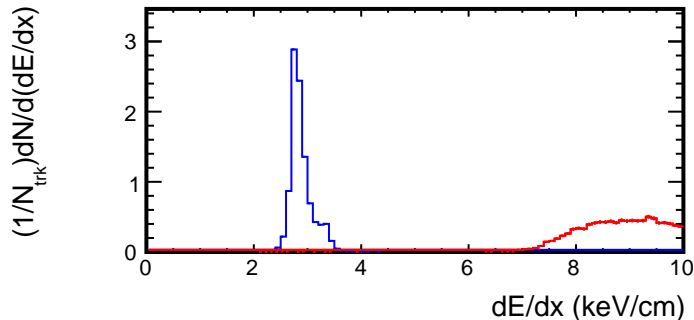
: Reco p < 2.2 GeV/c



: Reco p < 2.4 GeV/c



: Reco p < 2.6 GeV/c

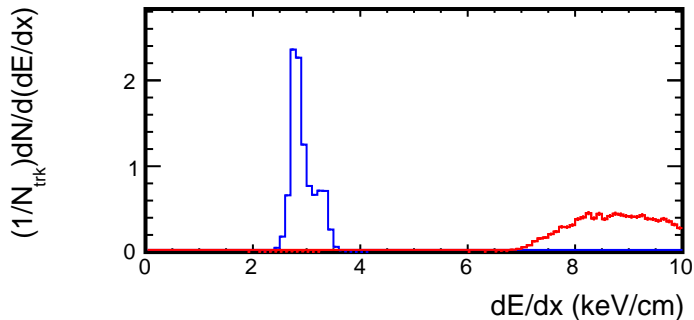


— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

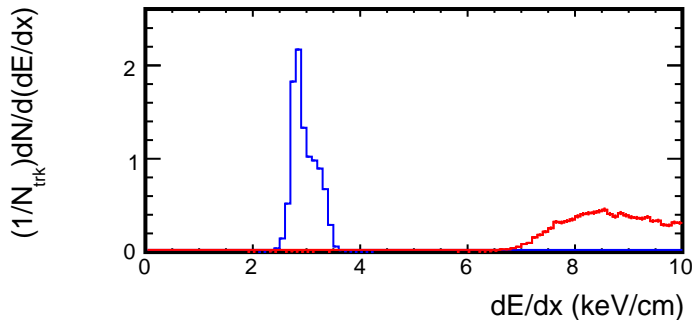
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Projection of dE/dx for each p bin

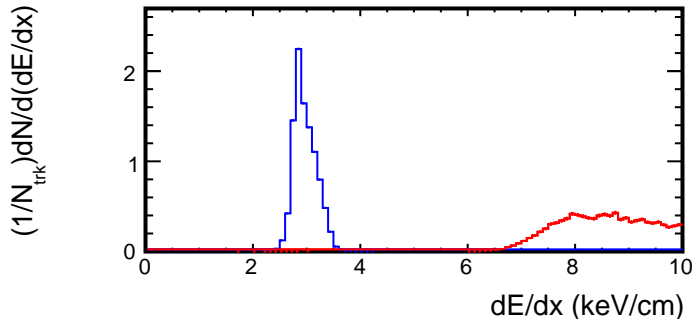
: Reco p < 2.8 GeV/c



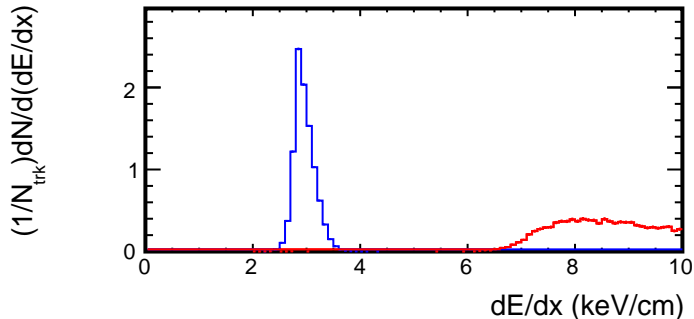
: Reco p < 3.0 GeV/c



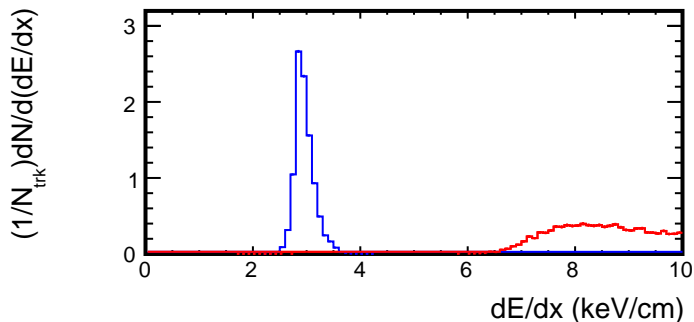
: Reco p < 3.2 GeV/c



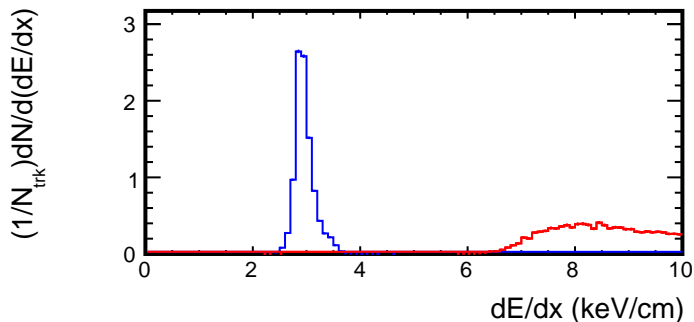
: Reco p < 3.4 GeV/c



: Reco p < 3.6 GeV/c



: Reco p < 3.8 GeV/c

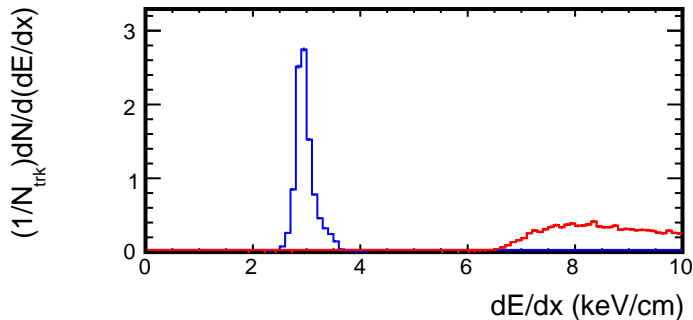


— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

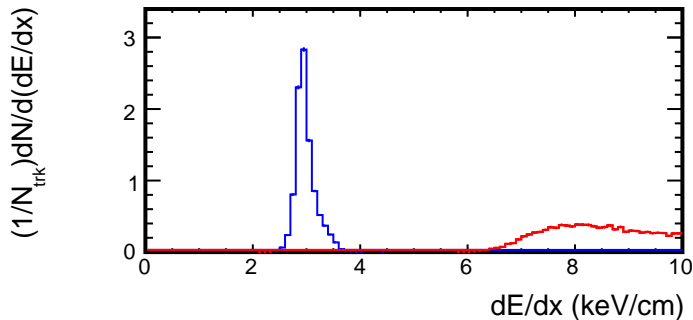
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Projection of dE/dx for each p bin

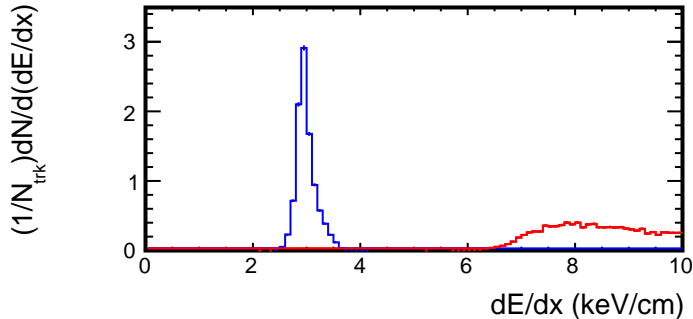
: Reco p < 4.0 GeV/c



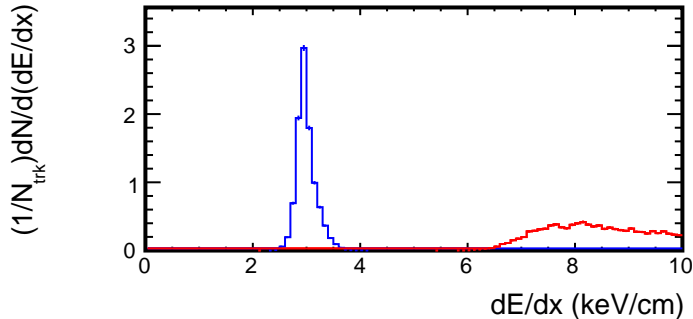
: Reco p < 4.2 GeV/c



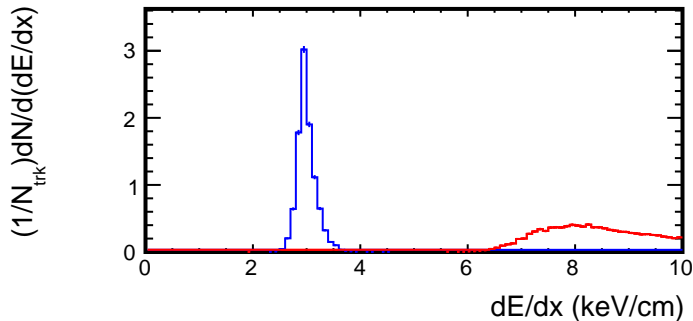
: Reco p < 4.4 GeV/c



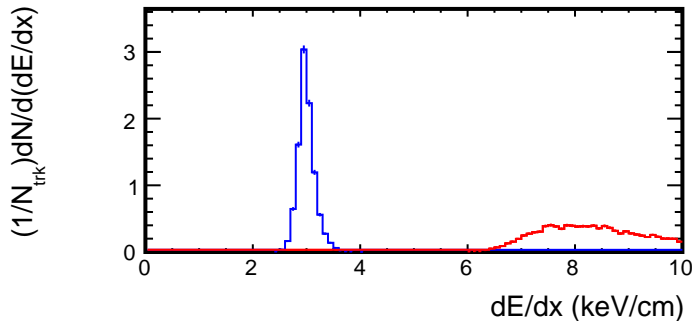
: Reco p < 4.6 GeV/c



: Reco p < 4.8 GeV/c



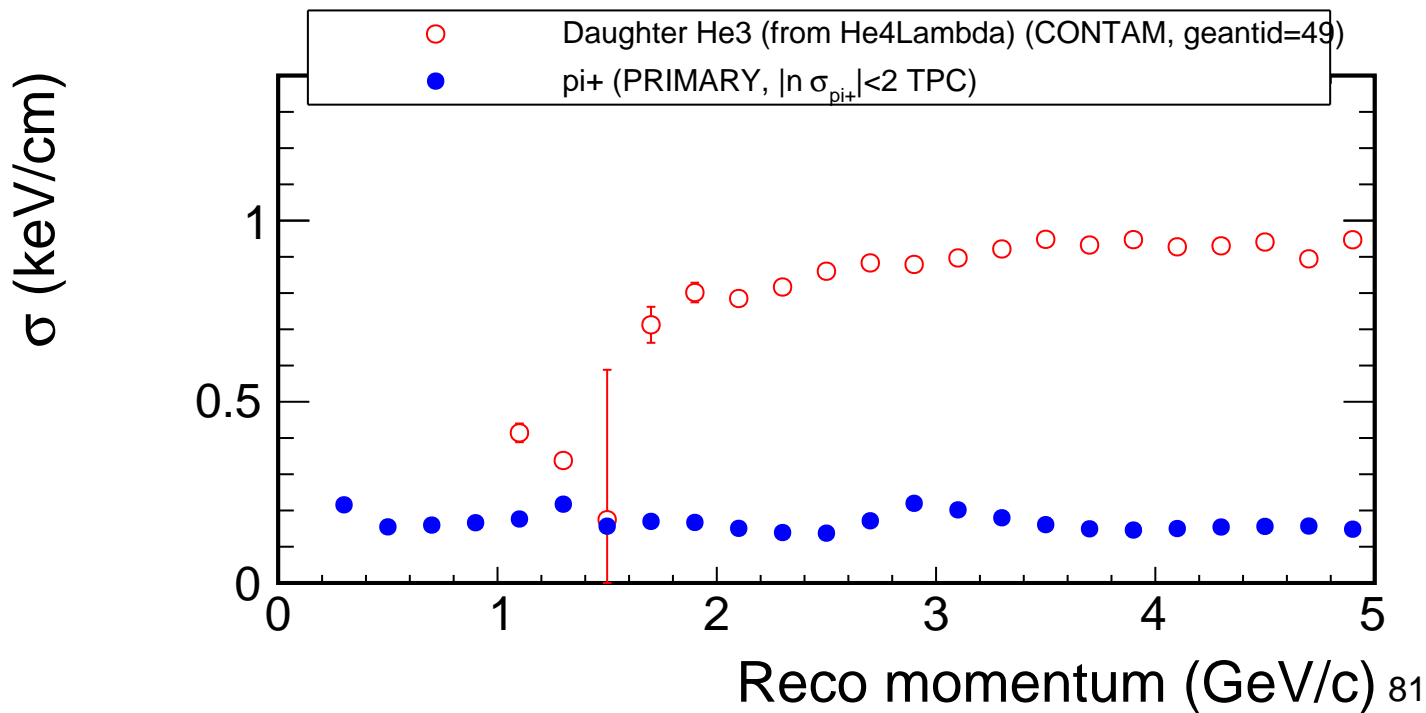
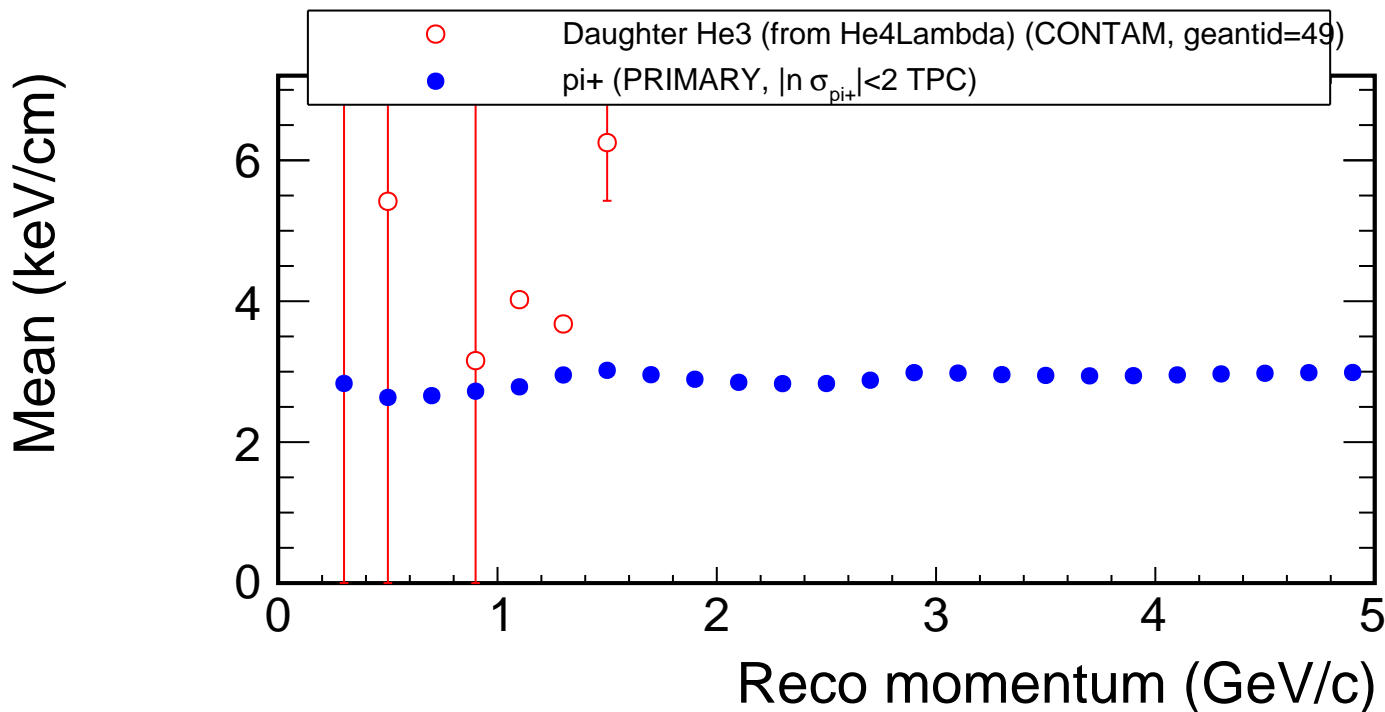
: Reco p < 5.0 GeV/c



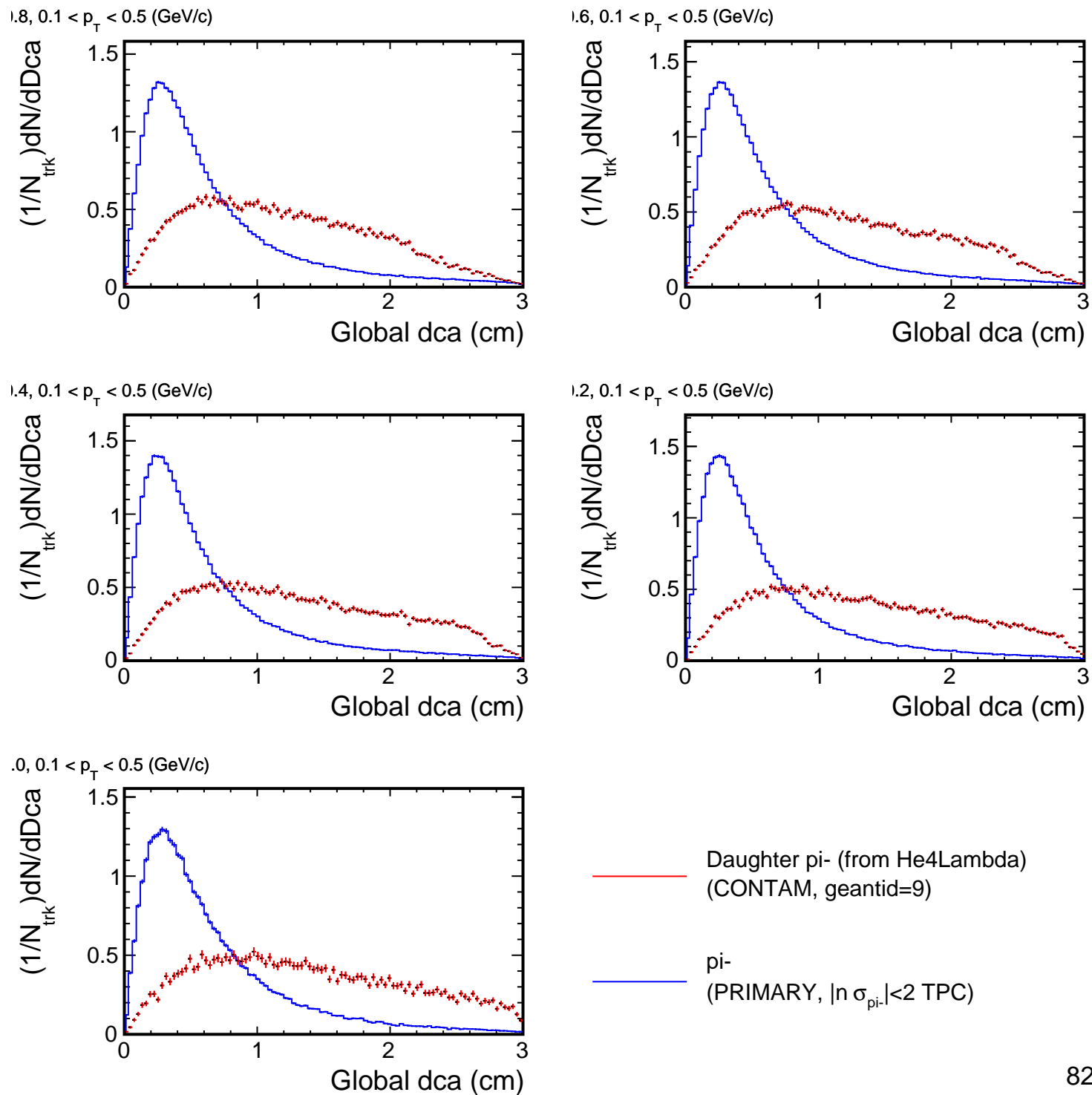
— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Mean/ σ of dE/dx vs momentum

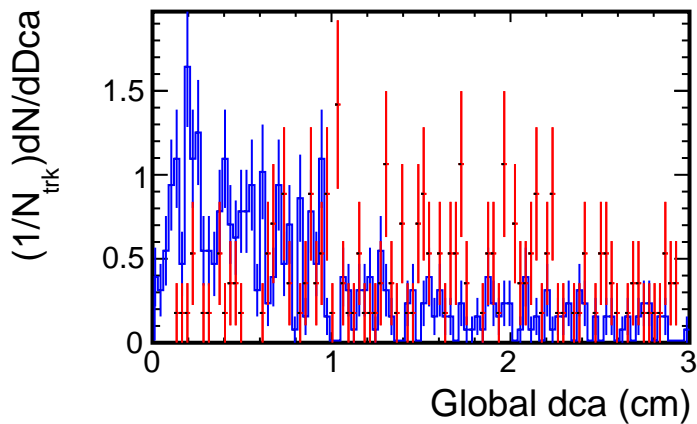


Dca distribution for (p_T , η) slices

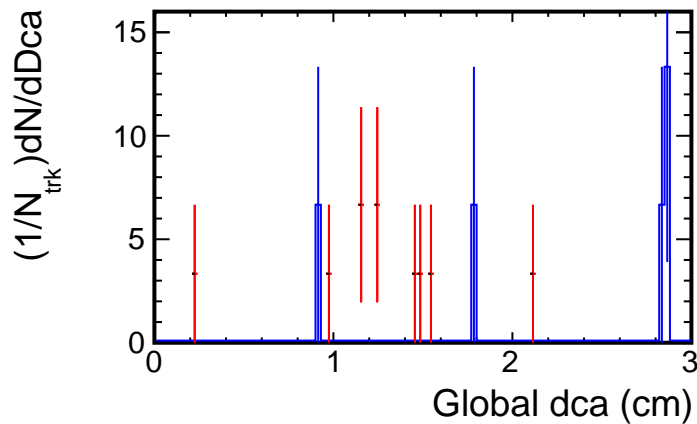


Dca distribution for (p_T , η) slices

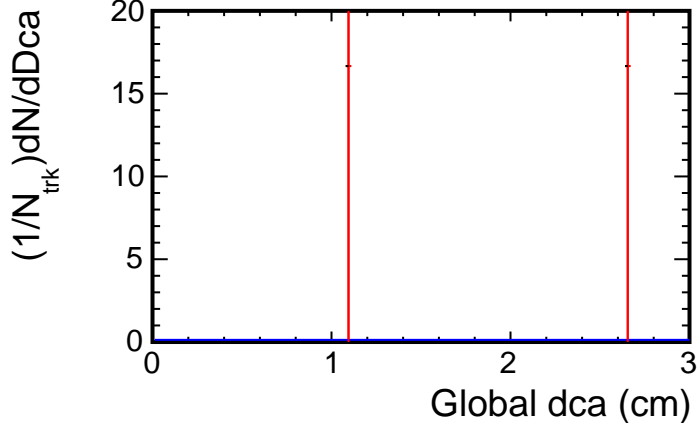
2, $0.1 < p_T < 0.5$ (GeV/c)



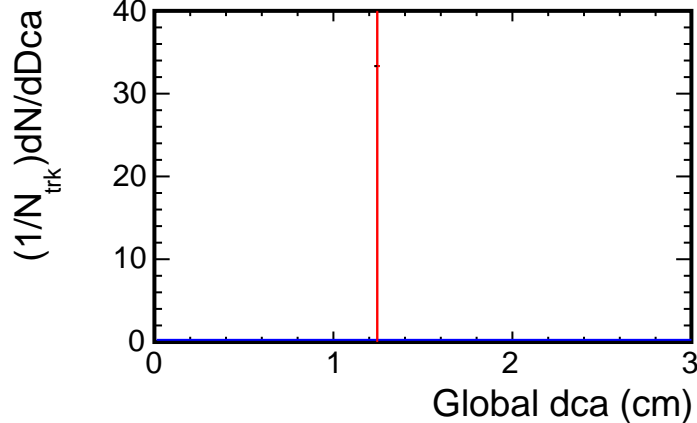
4, $0.1 < p_T < 0.5$ (GeV/c)



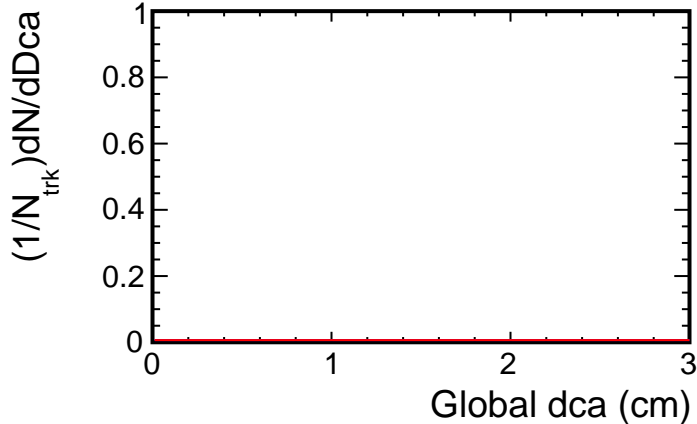
6, $0.1 < p_T < 0.5$ (GeV/c)



8, $0.1 < p_T < 0.5$ (GeV/c)



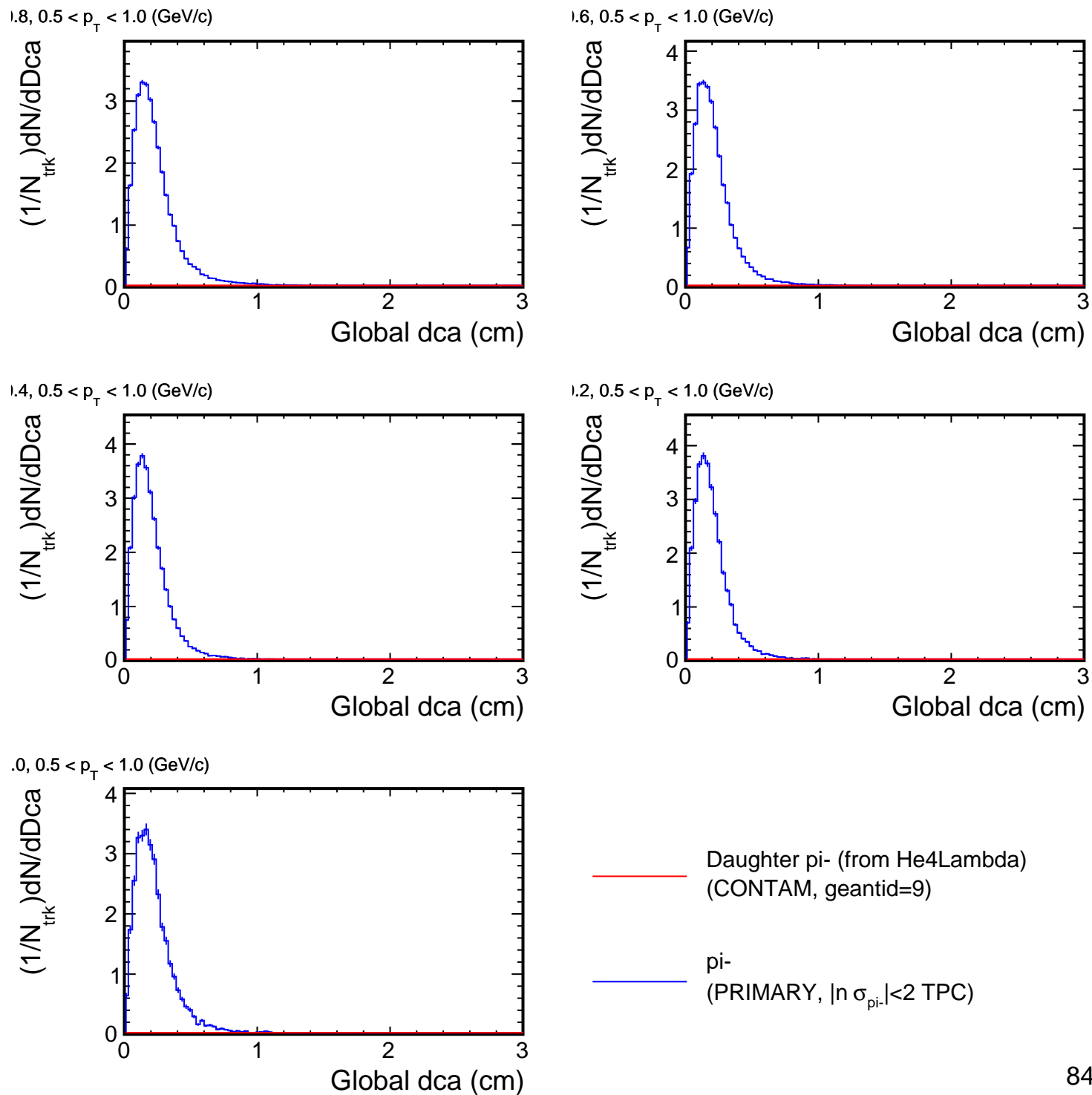
0, $0.1 < p_T < 0.5$ (GeV/c)



— Daughter π^- (from He4Lambda)
(CONTAM, geantid=9)

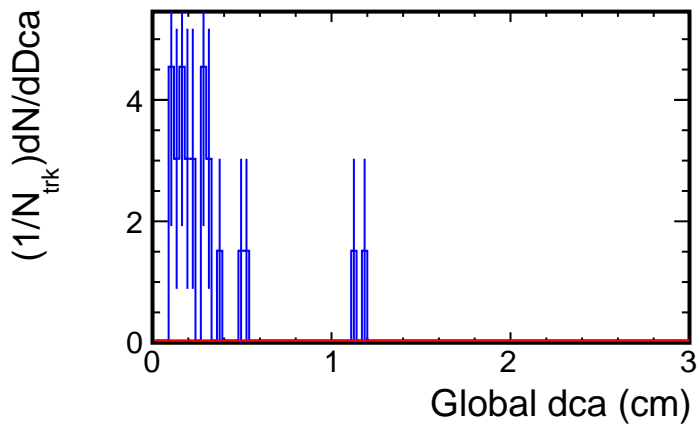
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices

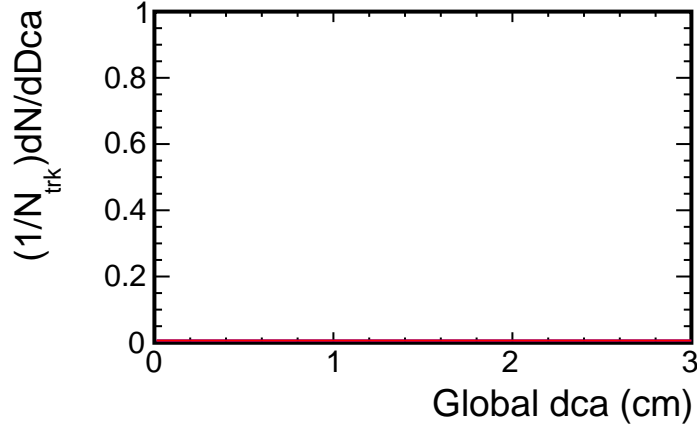


Dca distribution for (p_T , η) slices

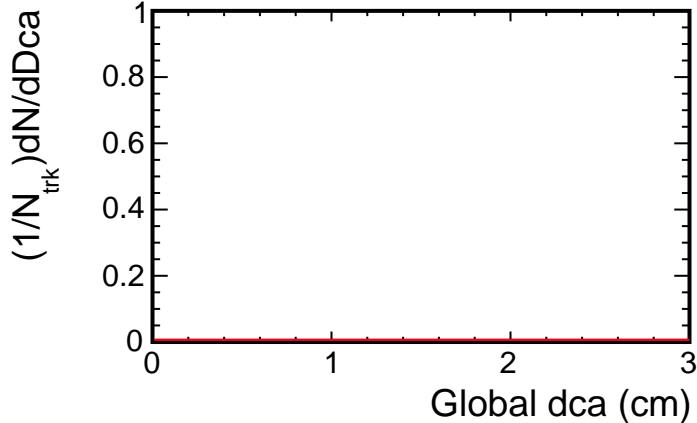
2, $0.5 < p_T < 1.0$ (GeV/c)



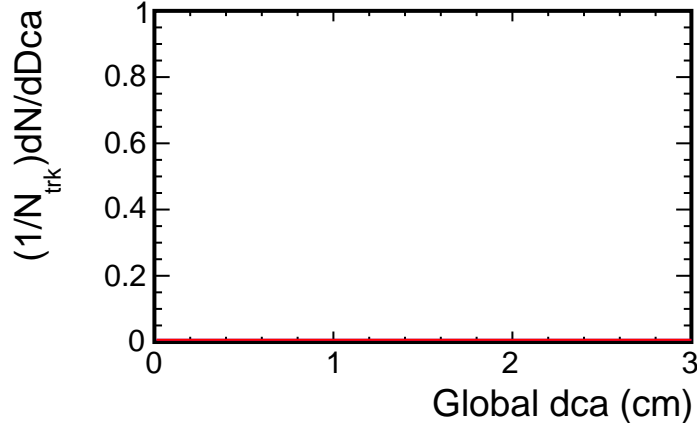
4, $0.5 < p_T < 1.0$ (GeV/c)



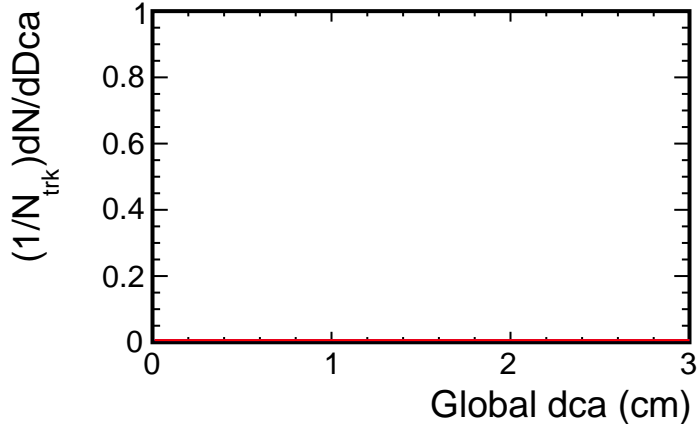
6, $0.5 < p_T < 1.0$ (GeV/c)



8, $0.5 < p_T < 1.0$ (GeV/c)



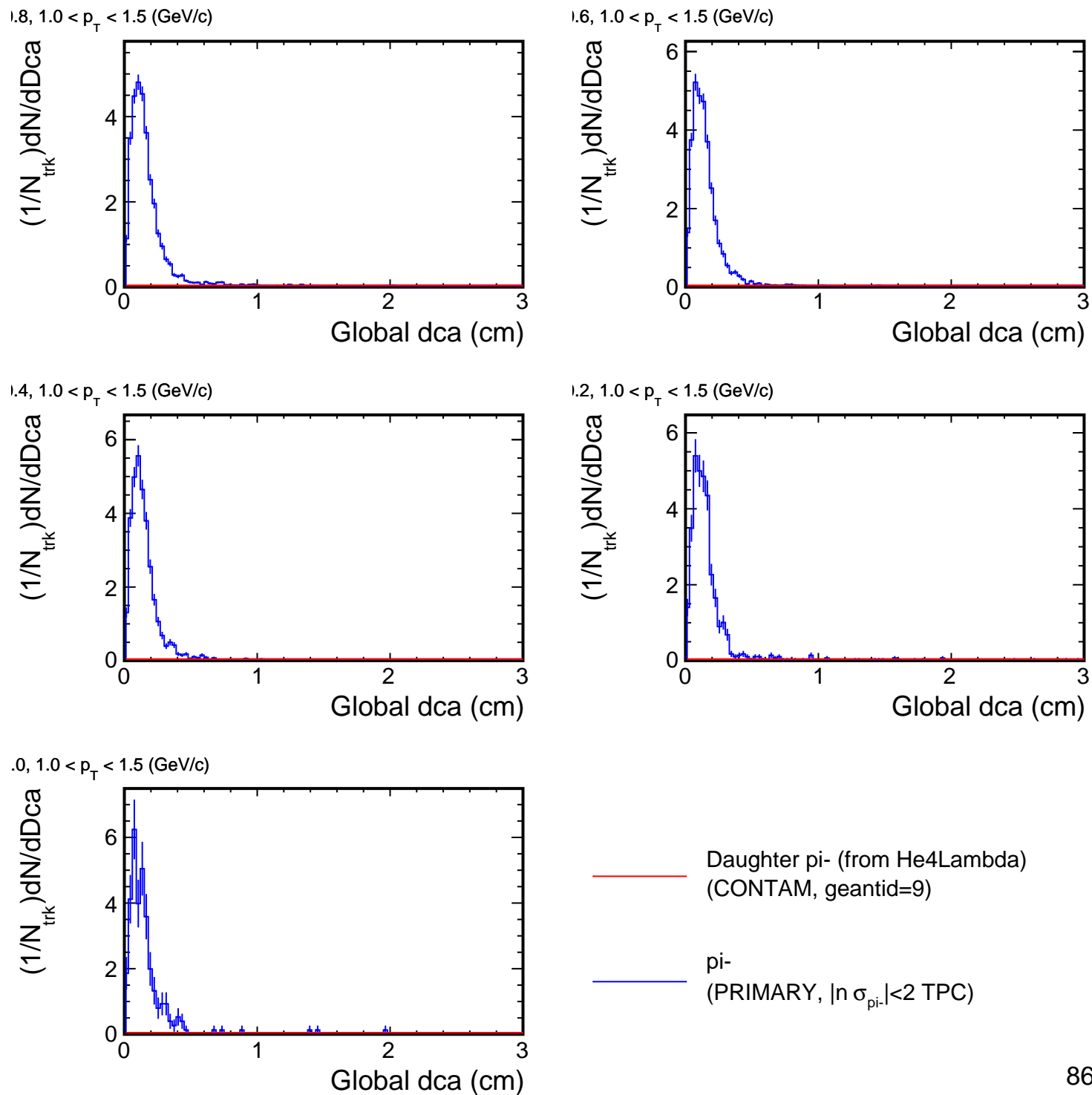
0, $0.5 < p_T < 1.0$ (GeV/c)



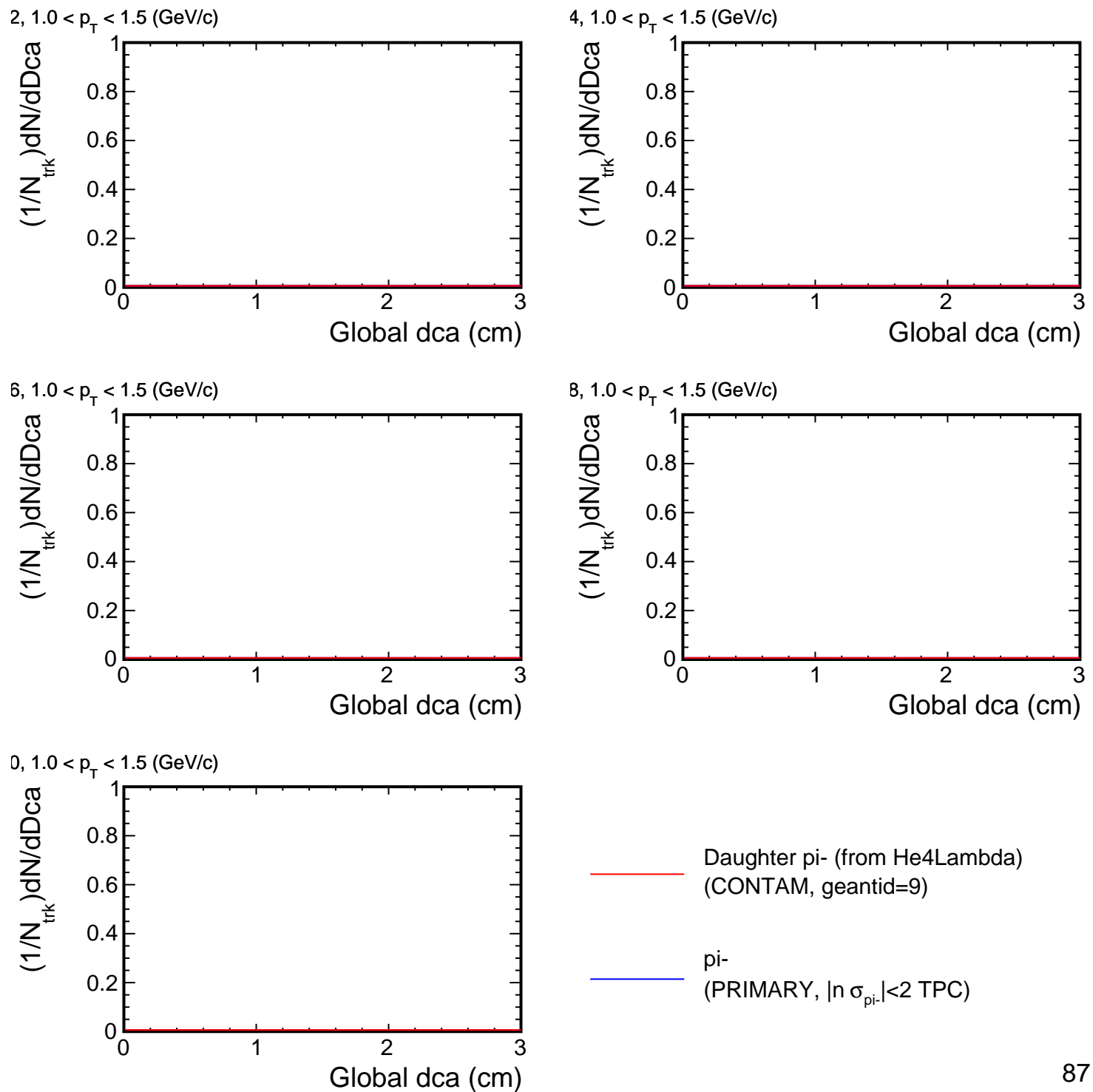
— Daughter pi- (from He4Lambda)
(CONTAM, geantid=9)

— pi-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices

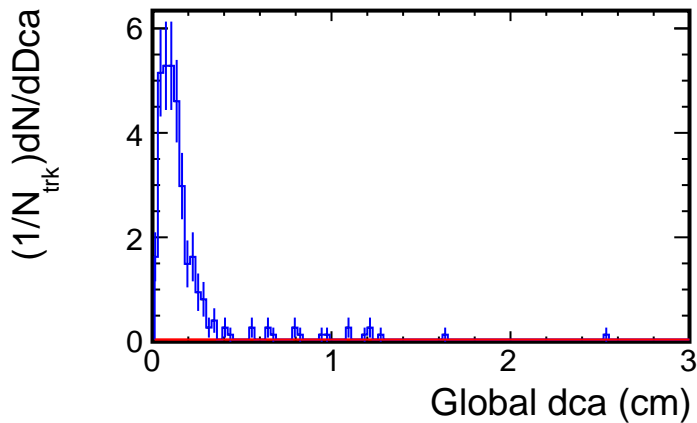


Dca distribution for (p_T , η) slices

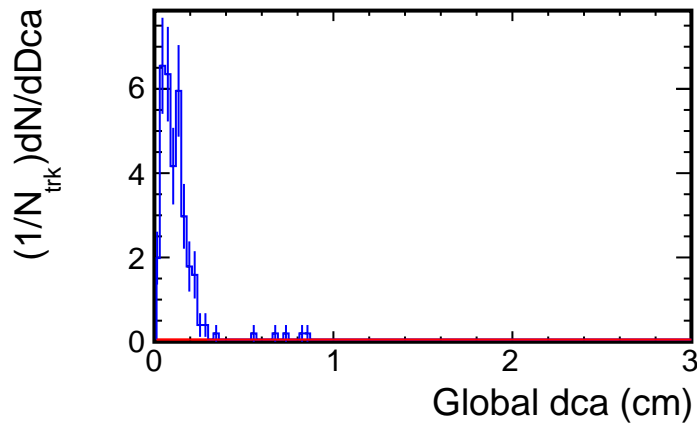


Dca distribution for (p_T , η) slices

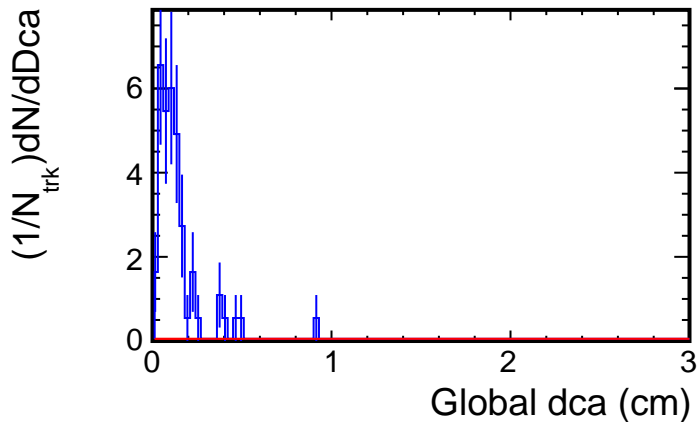
1.8, $1.5 < p_T < 2.0$ (GeV/c)



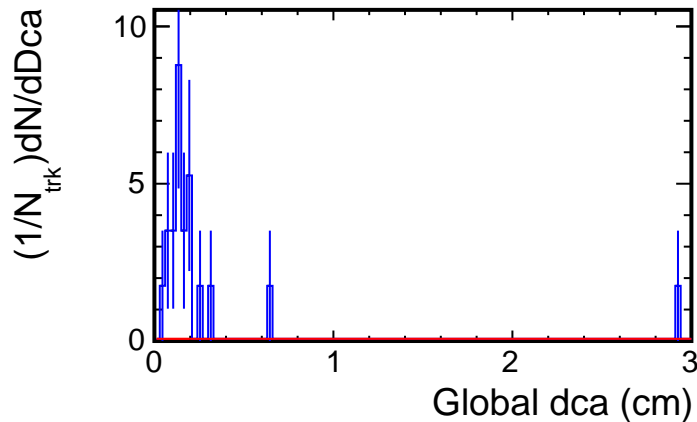
1.6, $1.5 < p_T < 2.0$ (GeV/c)



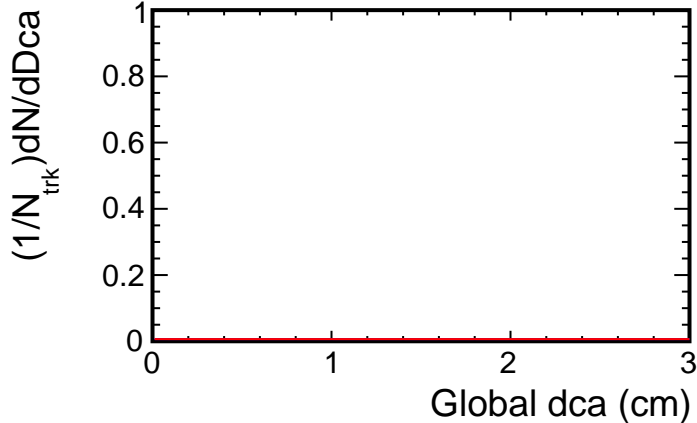
1.4, $1.5 < p_T < 2.0$ (GeV/c)



1.2, $1.5 < p_T < 2.0$ (GeV/c)



1.0, $1.5 < p_T < 2.0$ (GeV/c)

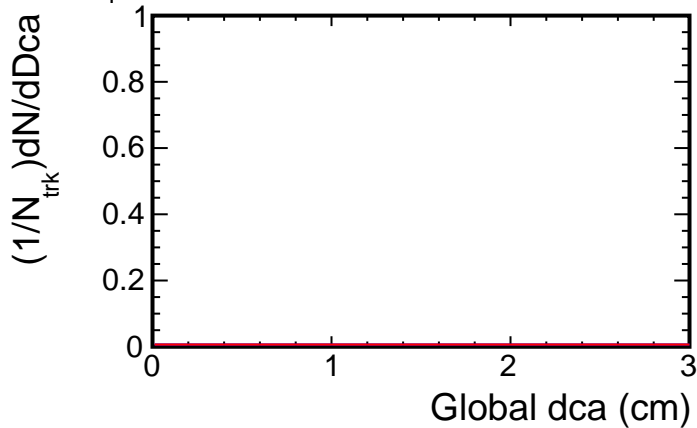


— Daughter π^- (from He4Lambda)
(CONTAM, geantid=9)

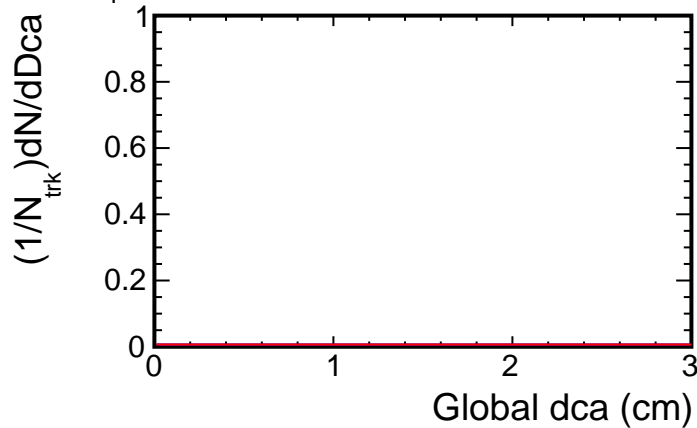
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices

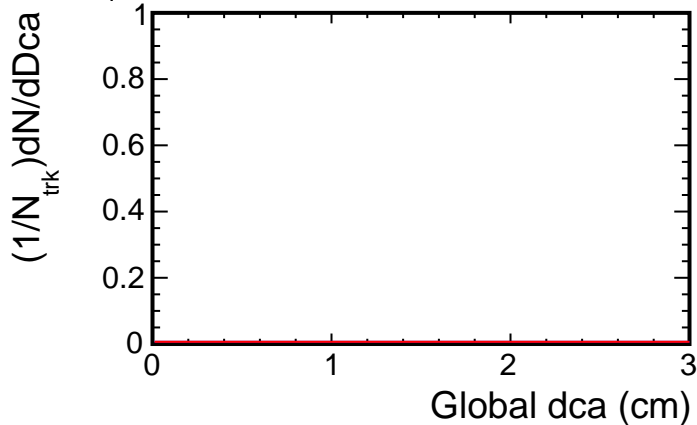
2, $1.5 < p_T < 2.0$ (GeV/c)



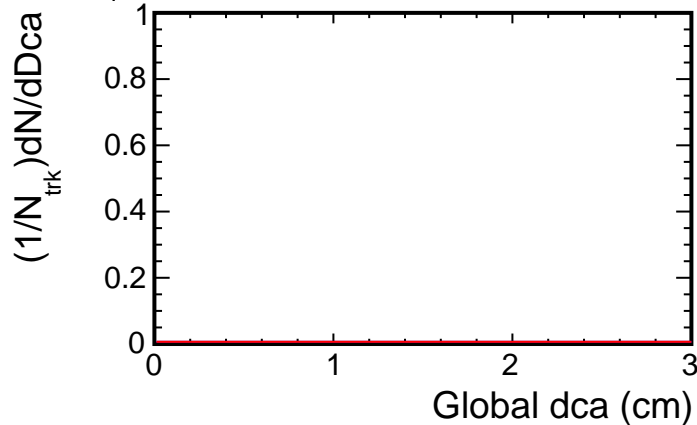
4, $1.5 < p_T < 2.0$ (GeV/c)



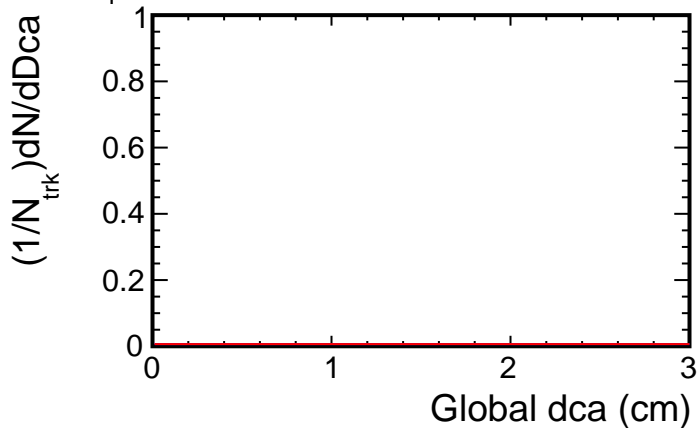
6, $1.5 < p_T < 2.0$ (GeV/c)



8, $1.5 < p_T < 2.0$ (GeV/c)



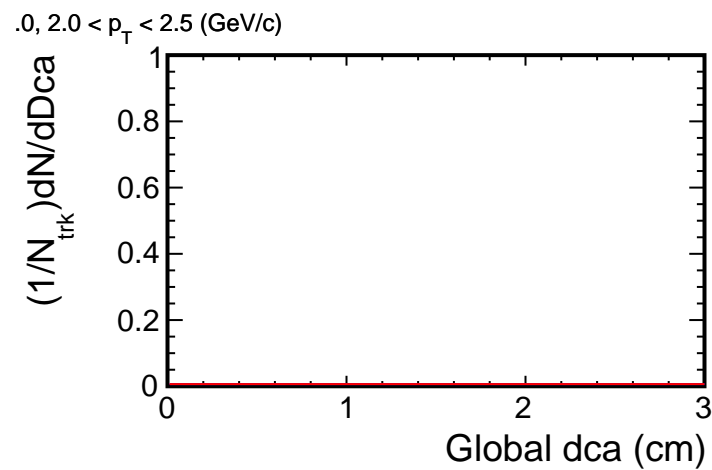
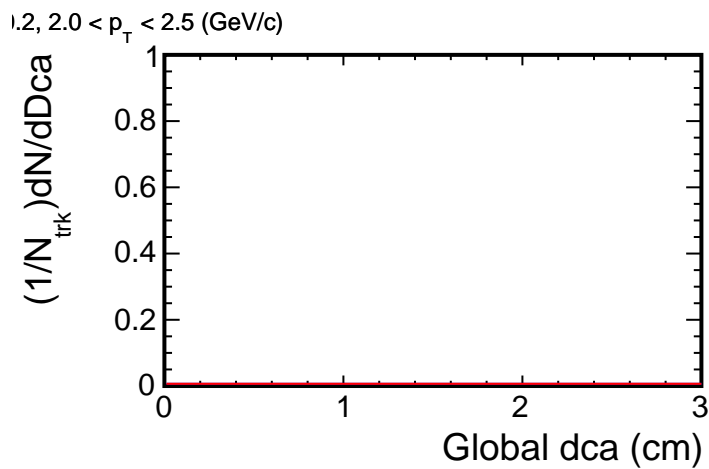
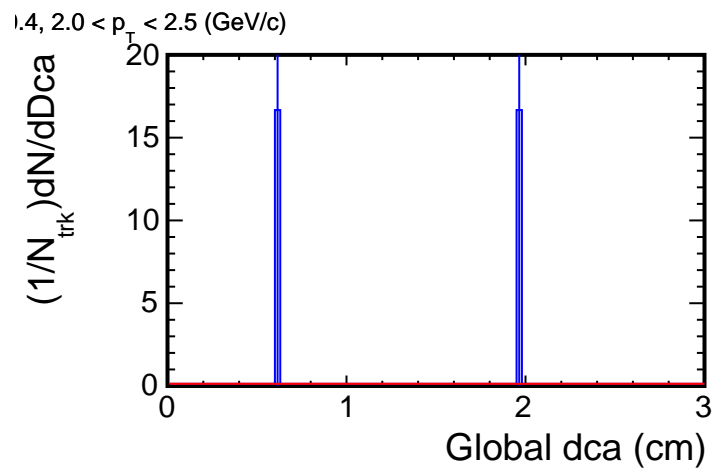
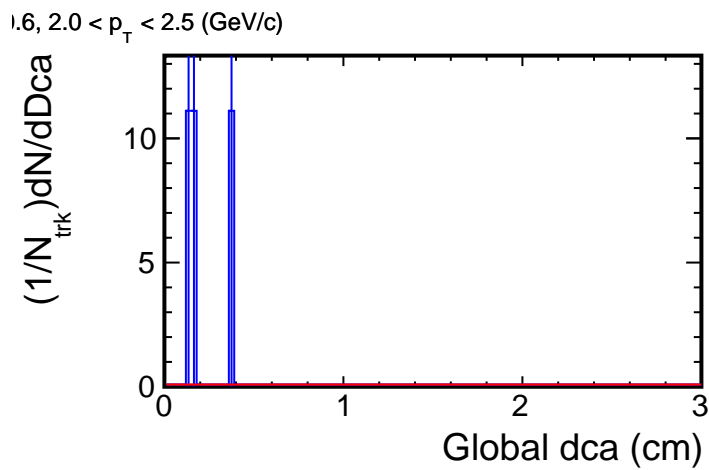
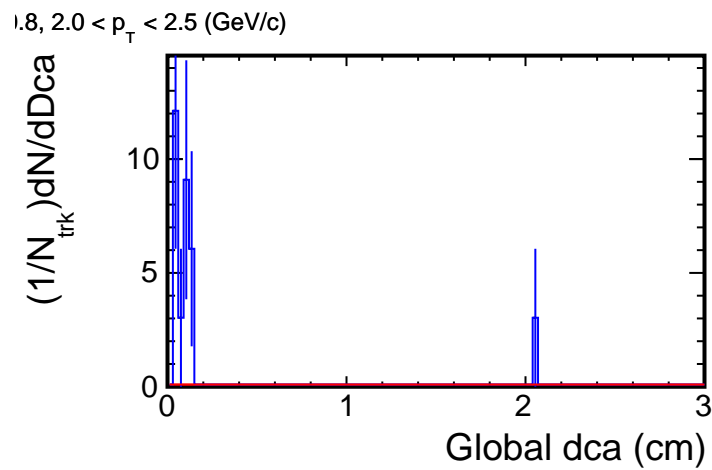
0, $1.5 < p_T < 2.0$ (GeV/c)



— Daughter pi- (from He4Lambda)
(CONTAM, geantid=9)

— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices

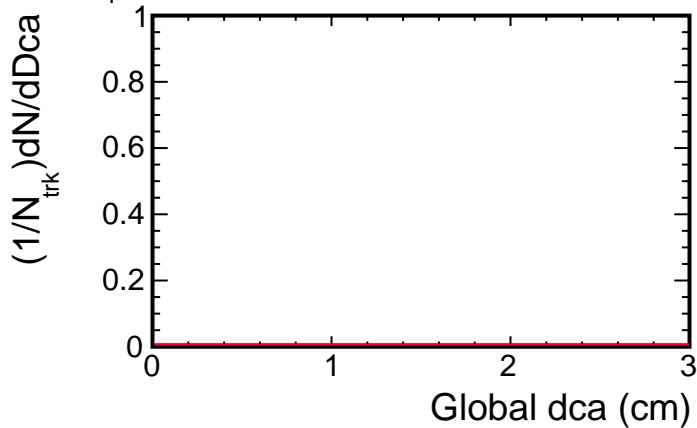


— Daughter π^- (from He4Lambda)
(CONTAM, geantid=9)

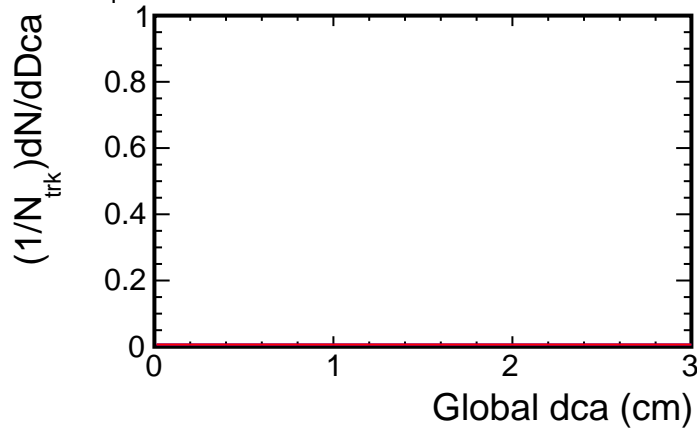
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices

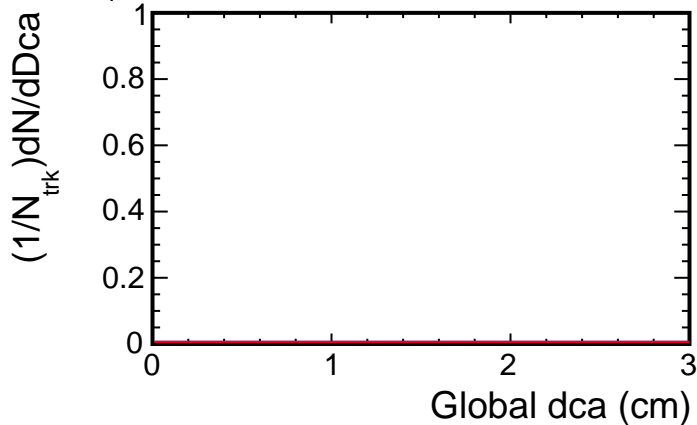
2, $2.0 < p_T < 2.5$ (GeV/c)



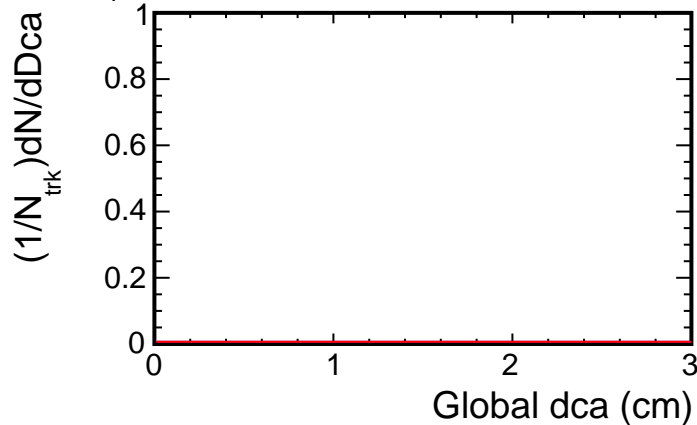
4, $2.0 < p_T < 2.5$ (GeV/c)



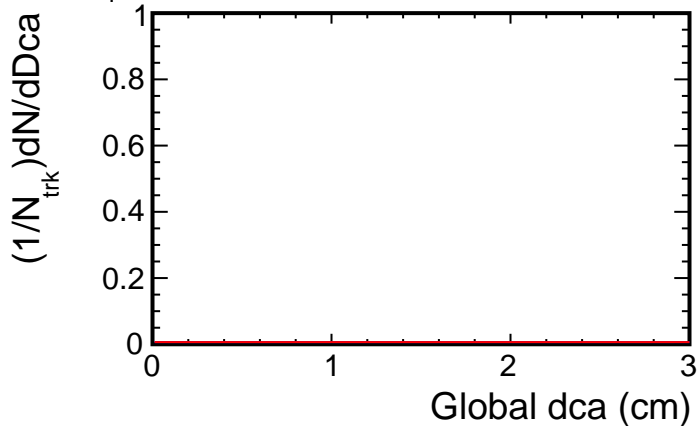
6, $2.0 < p_T < 2.5$ (GeV/c)



8, $2.0 < p_T < 2.5$ (GeV/c)



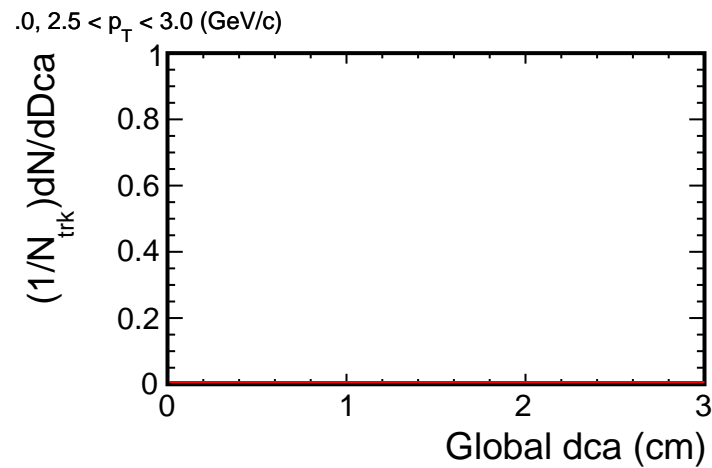
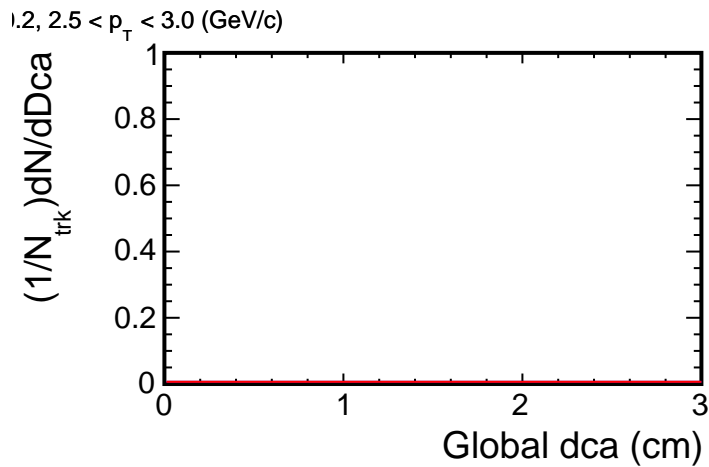
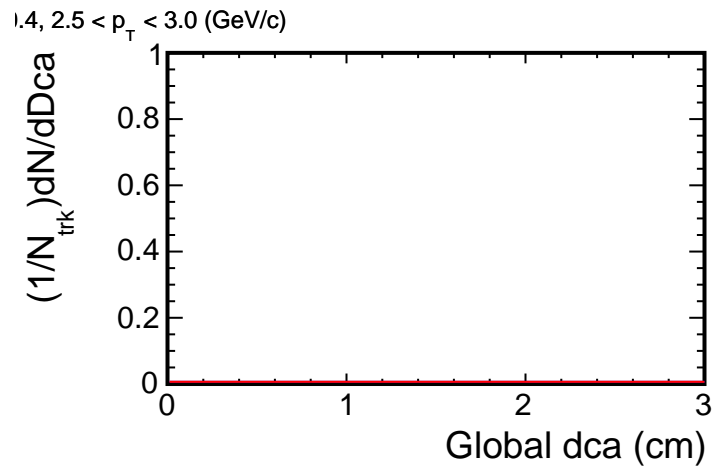
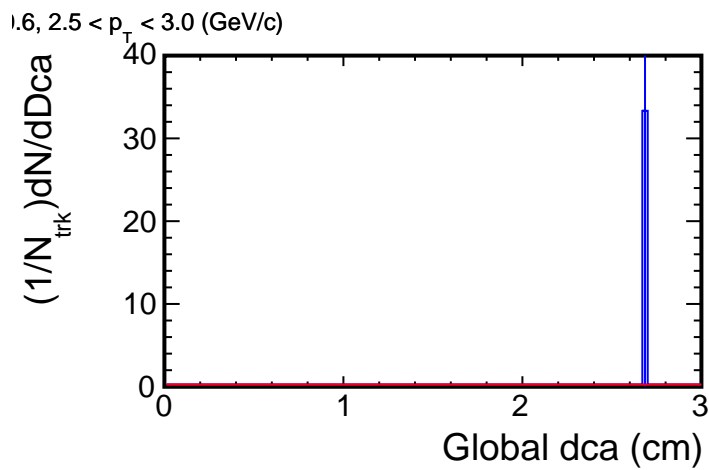
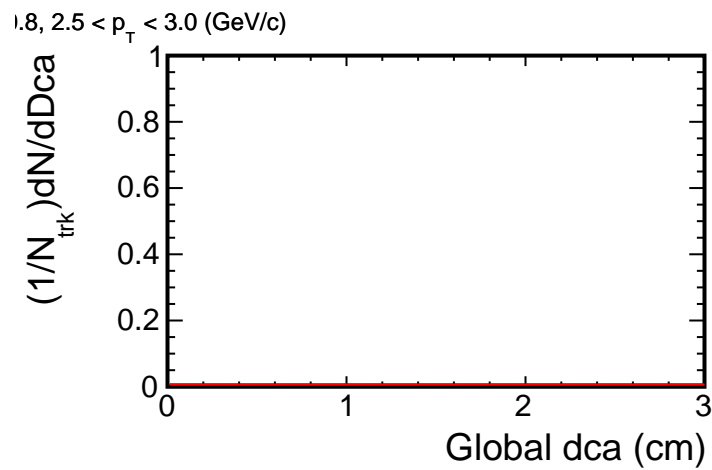
0, $2.0 < p_T < 2.5$ (GeV/c)



— Daughter pi- (from He4Lambda)
(CONTAM, geantid=9)

— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices

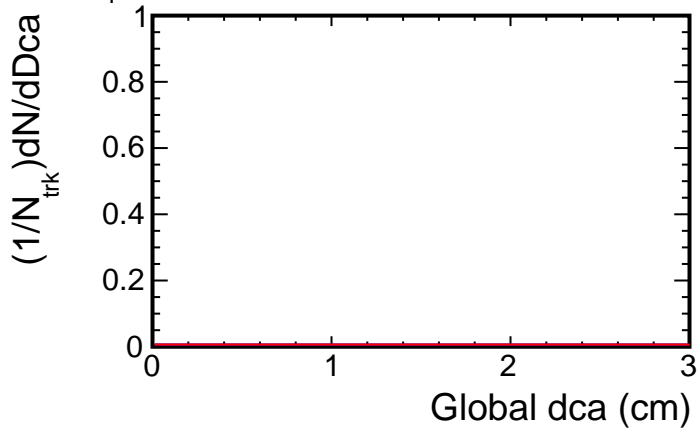


— Daughter π^- (from He4Lambda)
(CONTAM, geantid=9)

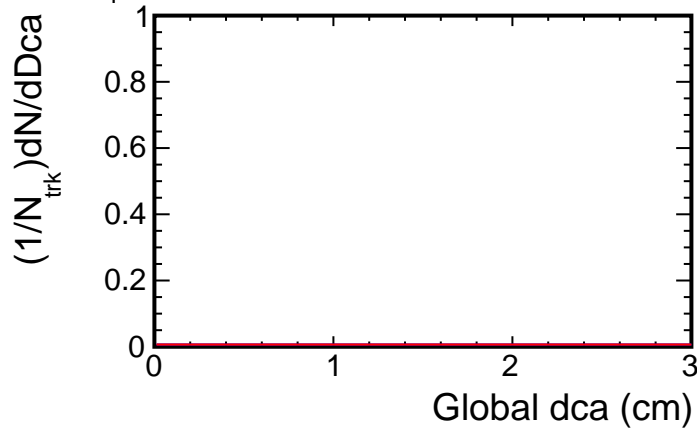
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices

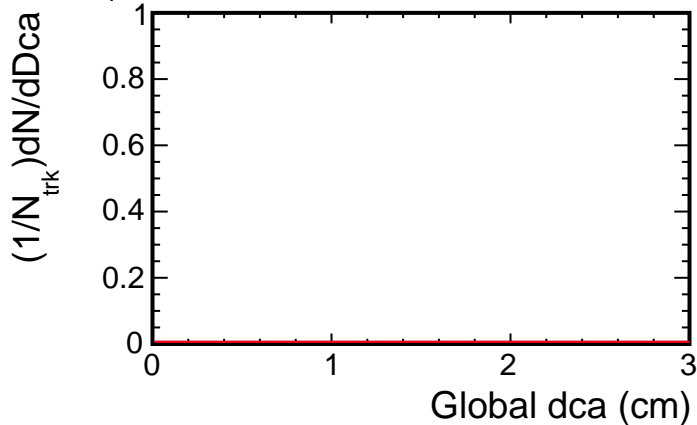
2, $2.5 < p_T < 3.0$ (GeV/c)



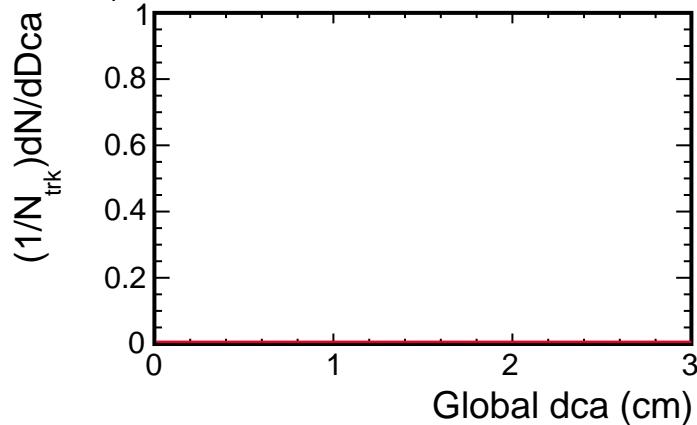
4, $2.5 < p_T < 3.0$ (GeV/c)



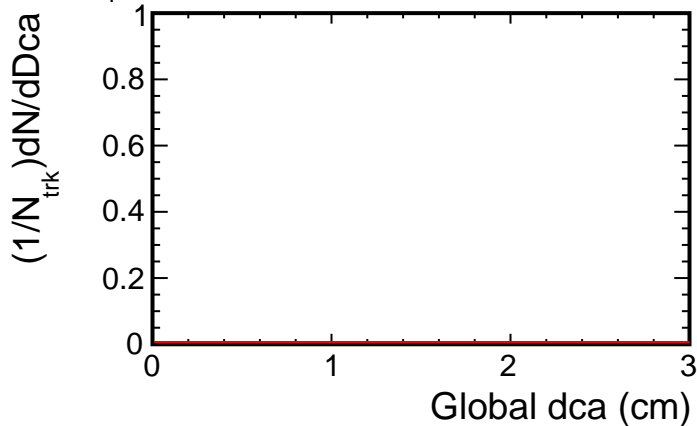
6, $2.5 < p_T < 3.0$ (GeV/c)



8, $2.5 < p_T < 3.0$ (GeV/c)



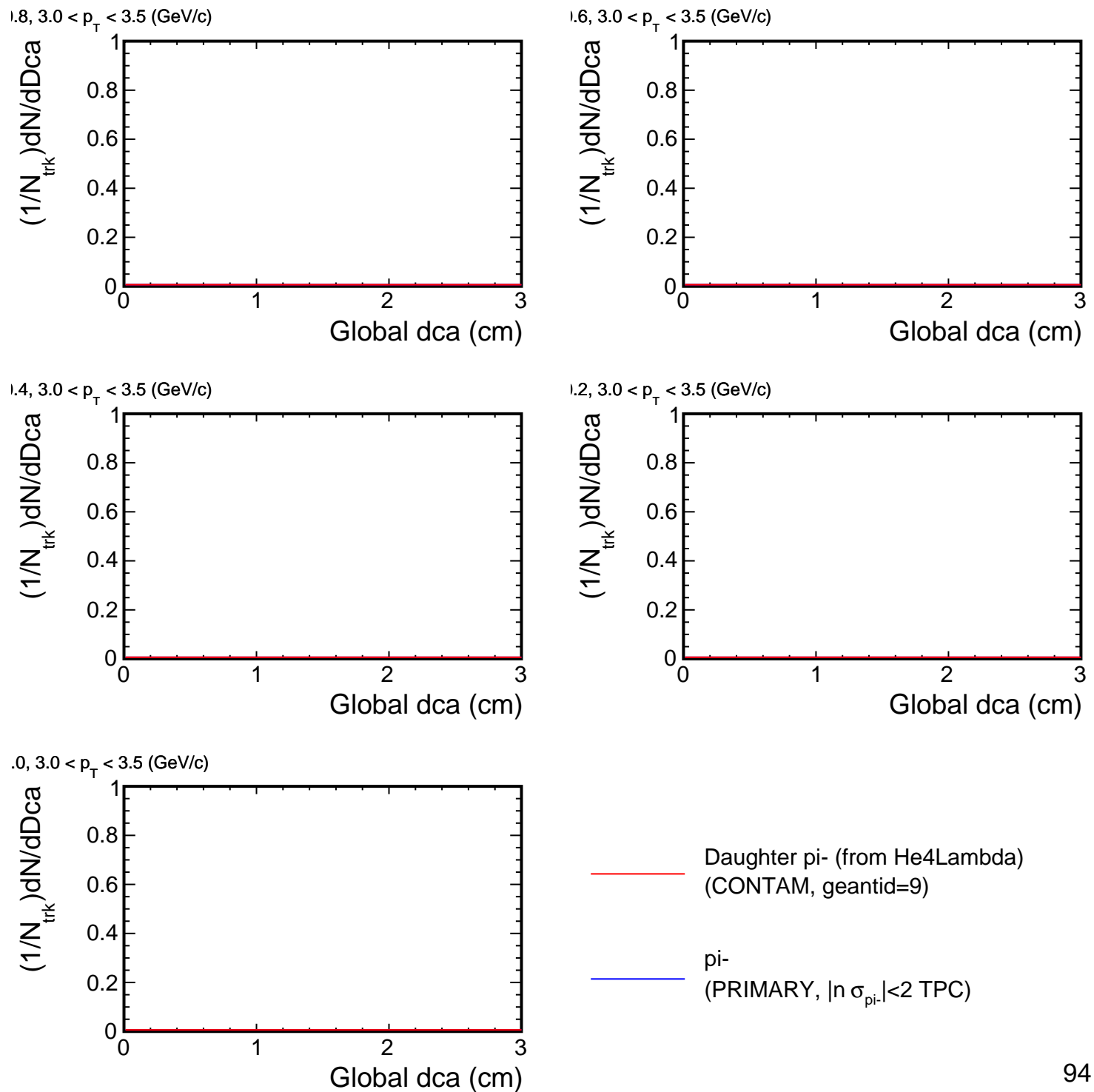
0, $2.5 < p_T < 3.0$ (GeV/c)



— Daughter pi- (from He4Lambda)
(CONTAM, geantid=9)

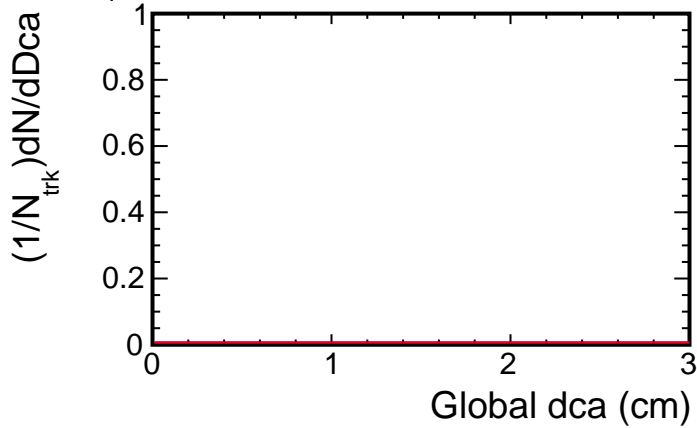
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices

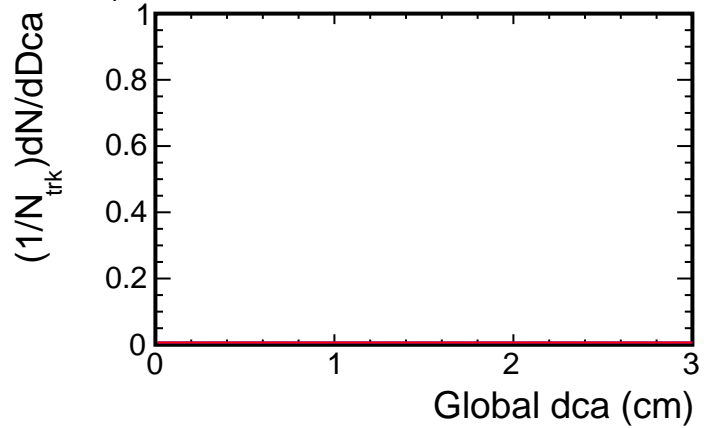


Dca distribution for (p_T , η) slices

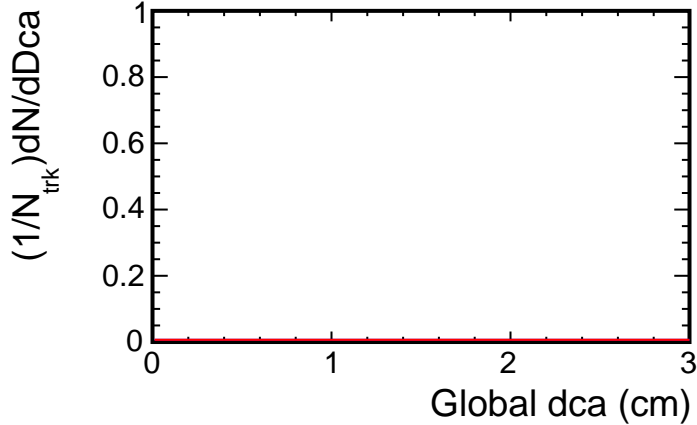
2, $3.0 < p_T < 3.5$ (GeV/c)



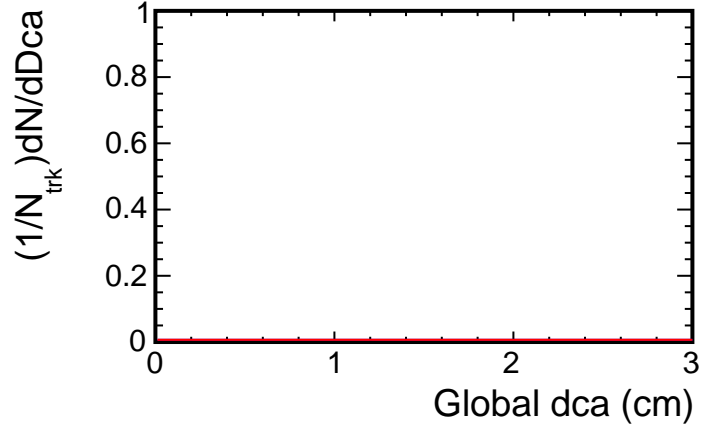
4, $3.0 < p_T < 3.5$ (GeV/c)



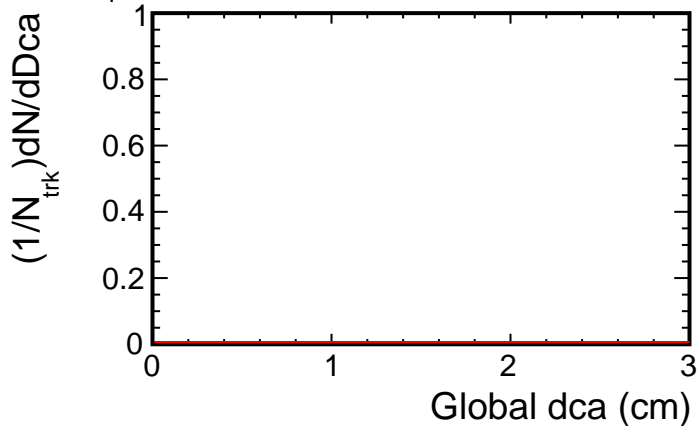
6, $3.0 < p_T < 3.5$ (GeV/c)



8, $3.0 < p_T < 3.5$ (GeV/c)



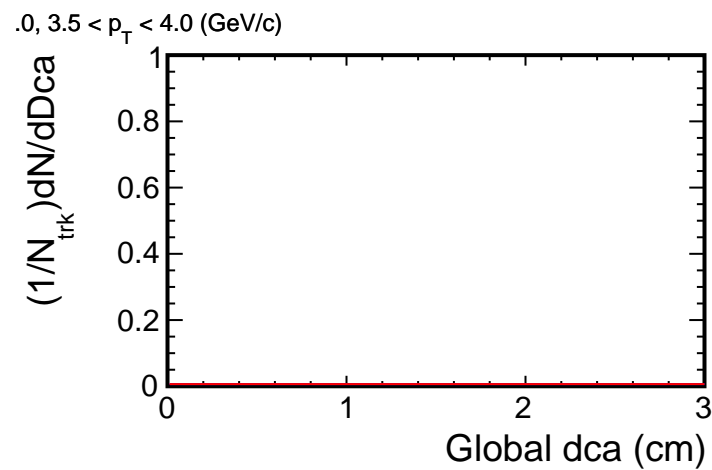
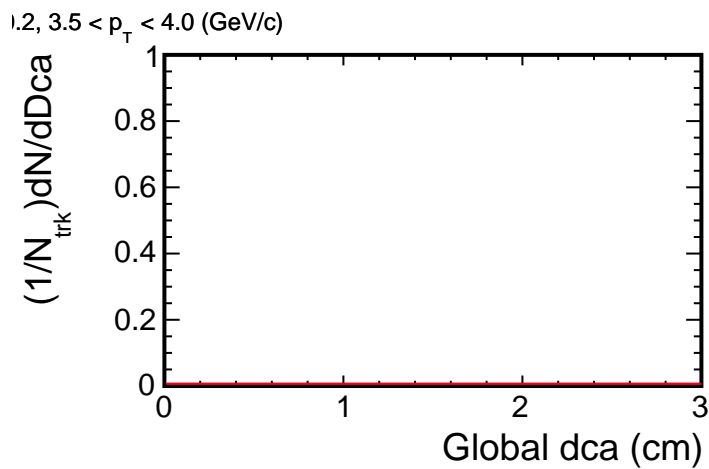
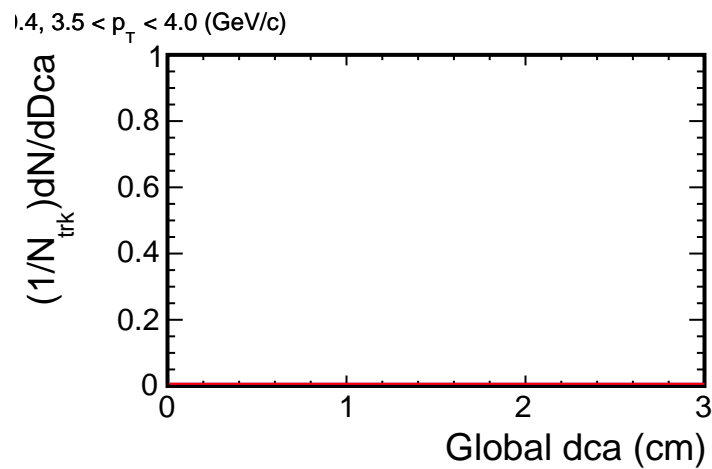
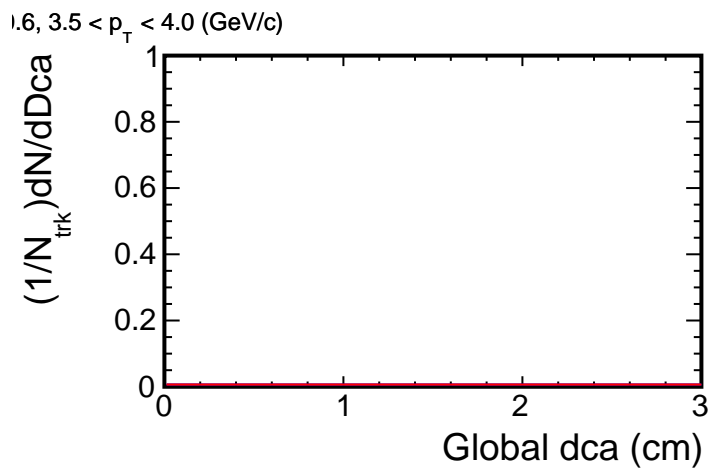
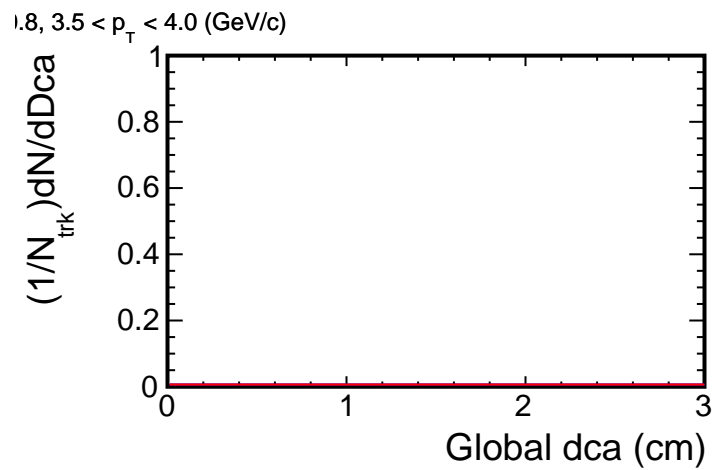
0, $3.0 < p_T < 3.5$ (GeV/c)



— Daughter pi- (from He4Lambda)
(CONTAM, geantid=9)

— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices

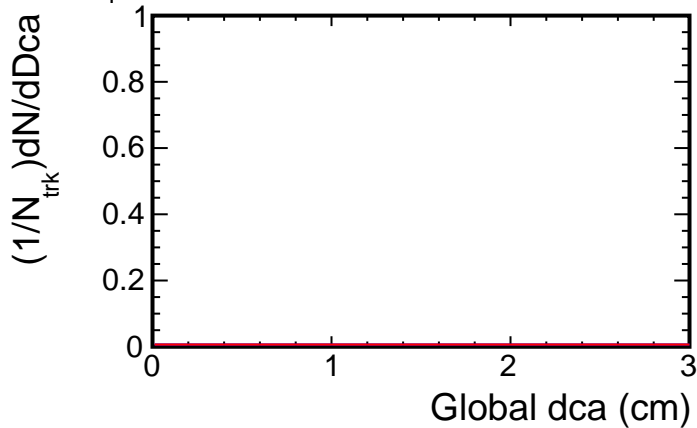


— Daughter π^- (from He4Lambda)
(CONTAM, geantid=9)

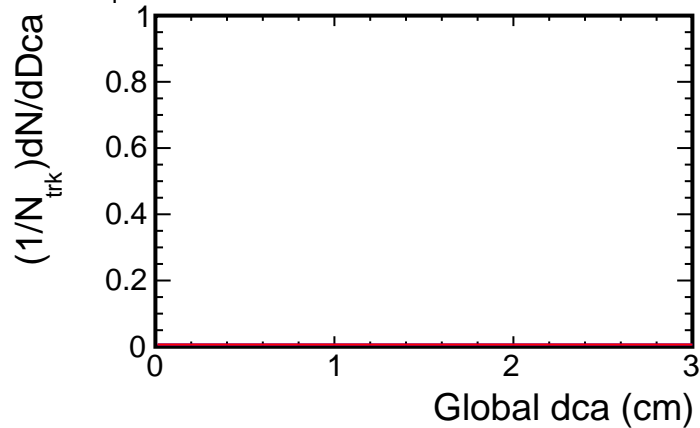
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices

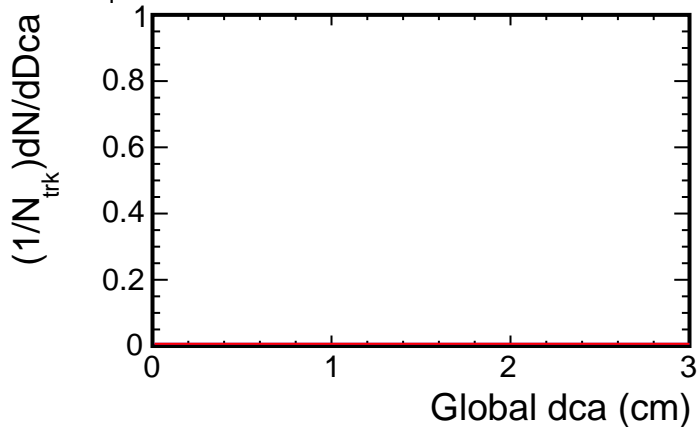
2, $3.5 < p_T < 4.0$ (GeV/c)



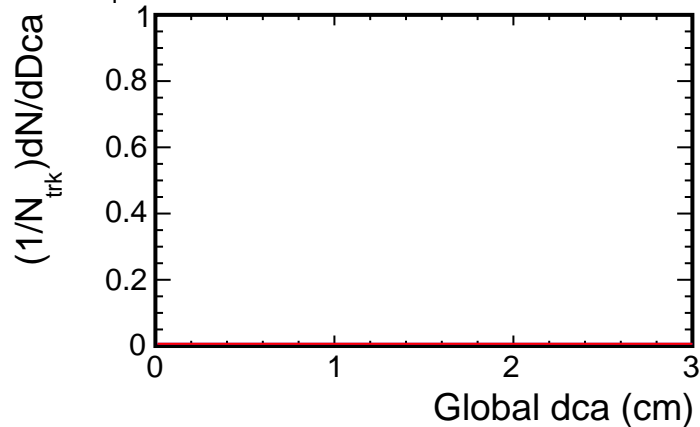
4, $3.5 < p_T < 4.0$ (GeV/c)



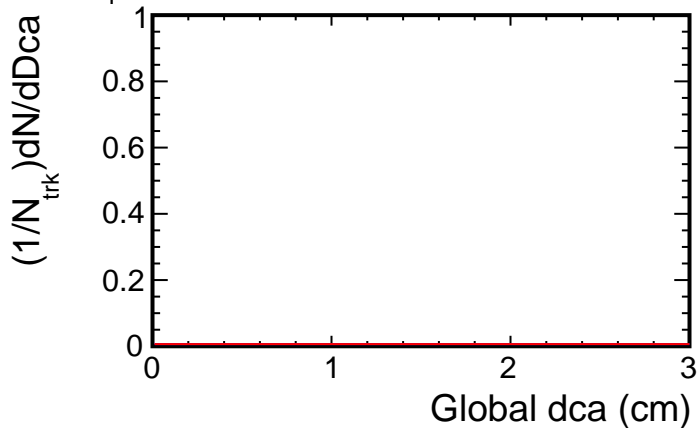
6, $3.5 < p_T < 4.0$ (GeV/c)



8, $3.5 < p_T < 4.0$ (GeV/c)



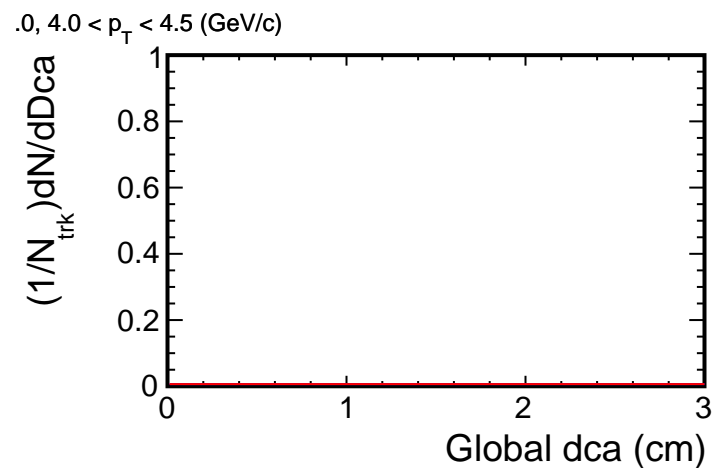
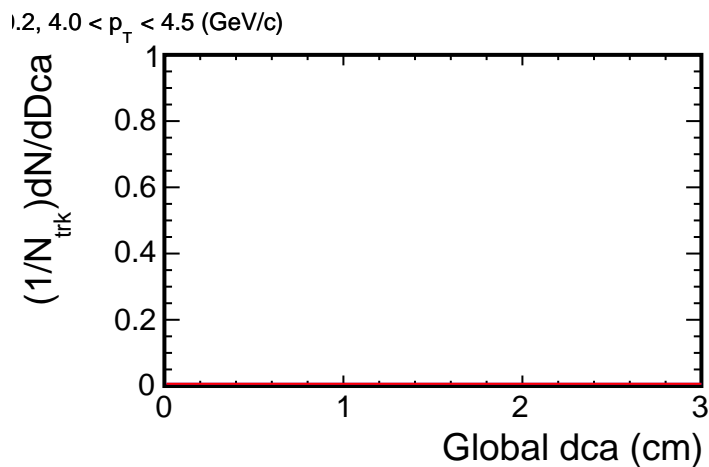
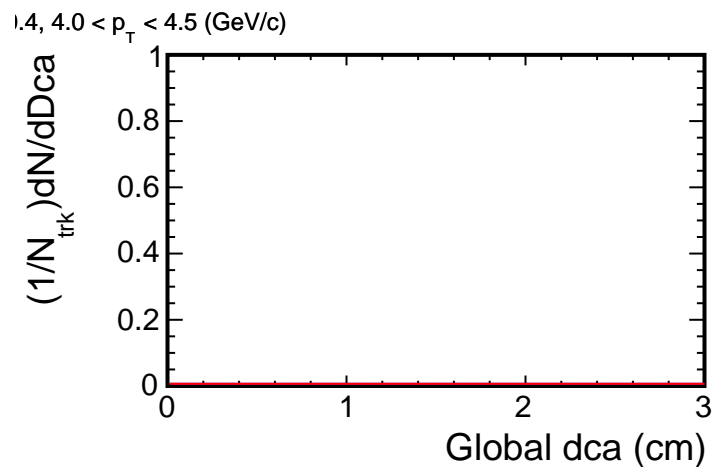
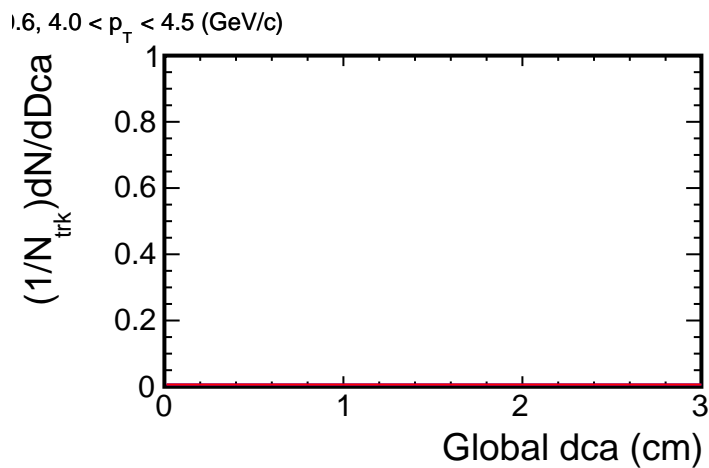
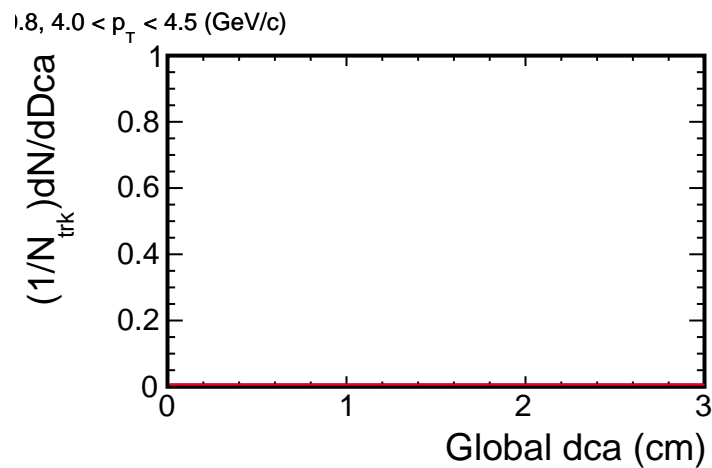
0, $3.5 < p_T < 4.0$ (GeV/c)



— Daughter π^- (from He4Lambda)
(CONTAM, geantid=9)

— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices

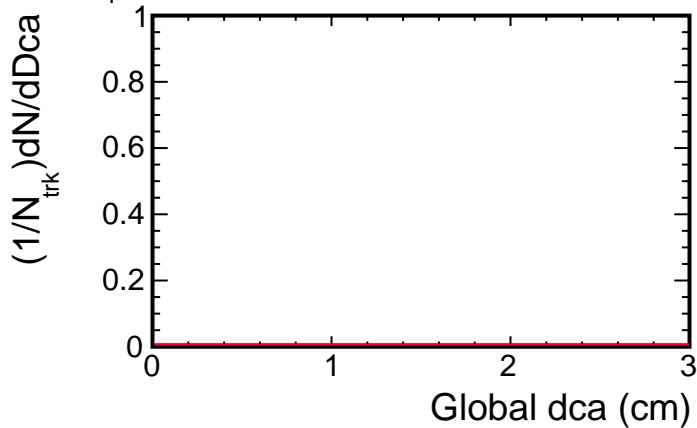


— Daughter π^- (from He4Lambda)
(CONTAM, geantid=9)

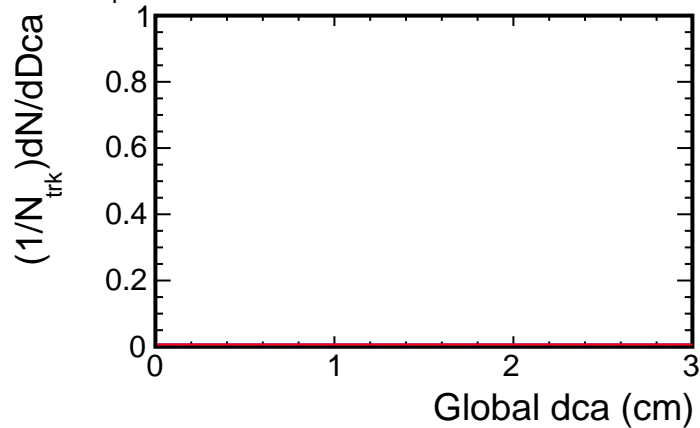
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices

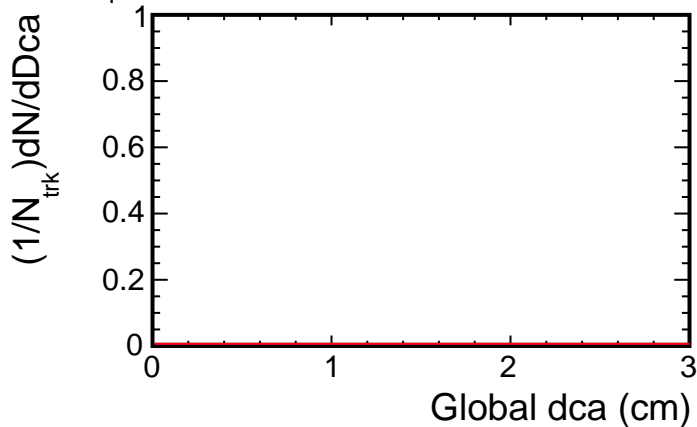
2, $4.0 < p_T < 4.5$ (GeV/c)



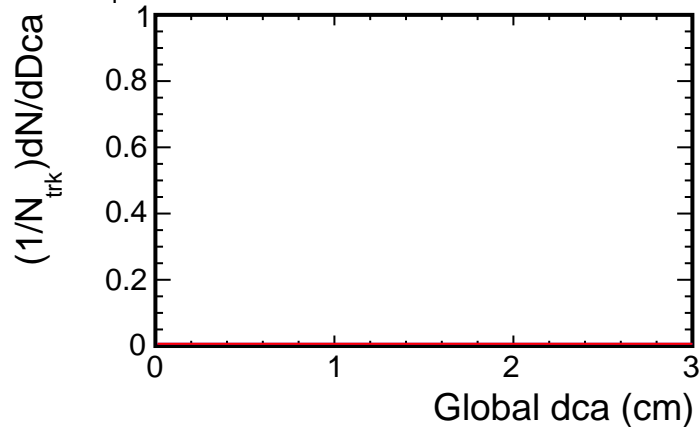
4, $4.0 < p_T < 4.5$ (GeV/c)



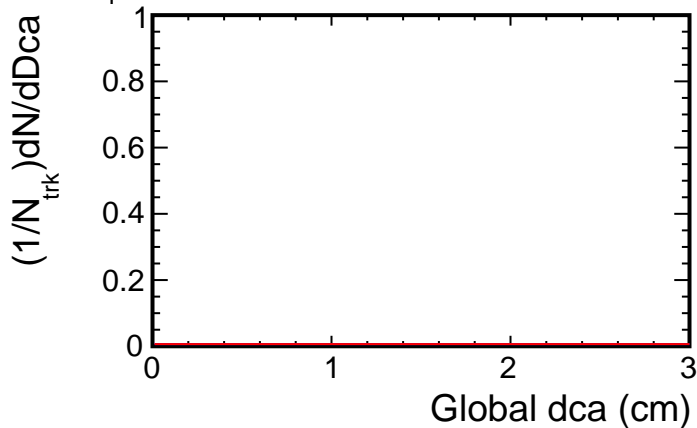
6, $4.0 < p_T < 4.5$ (GeV/c)



8, $4.0 < p_T < 4.5$ (GeV/c)



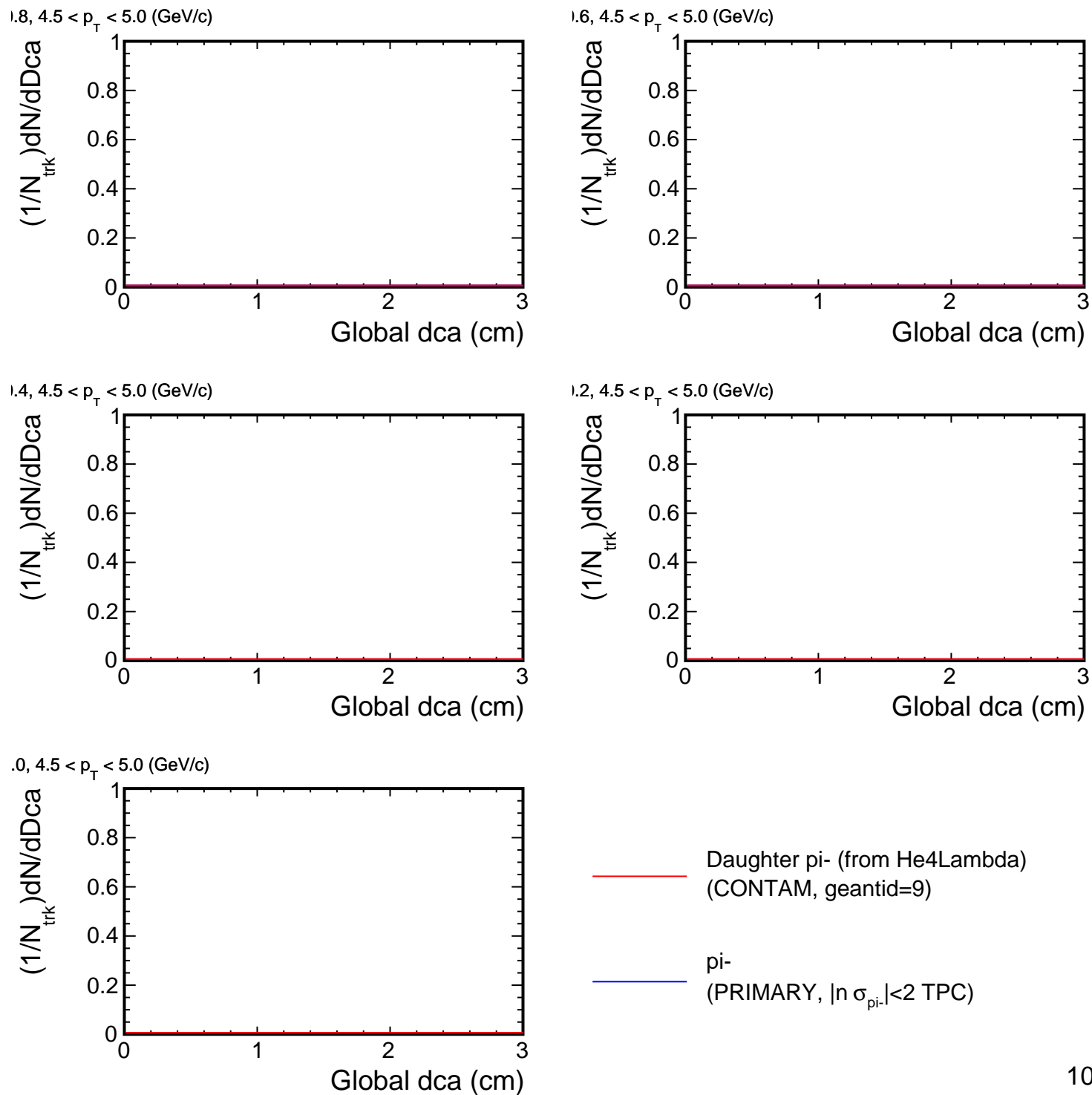
0, $4.0 < p_T < 4.5$ (GeV/c)



— Daughter pi- (from He4Lambda)
(CONTAM, geantid=9)

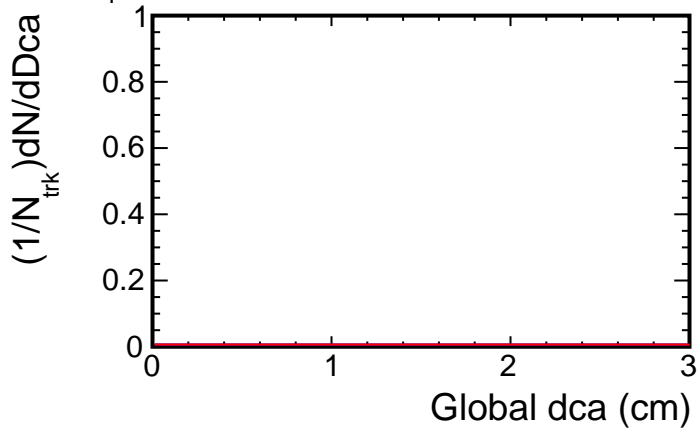
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices

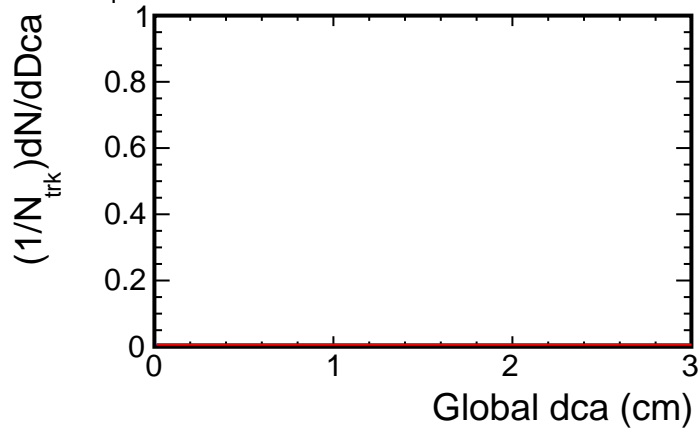


Dca distribution for (p_T , η) slices

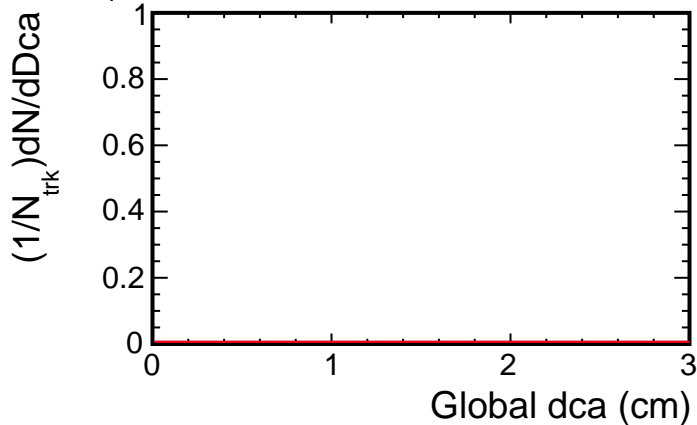
2, $4.5 < p_T < 5.0$ (GeV/c)



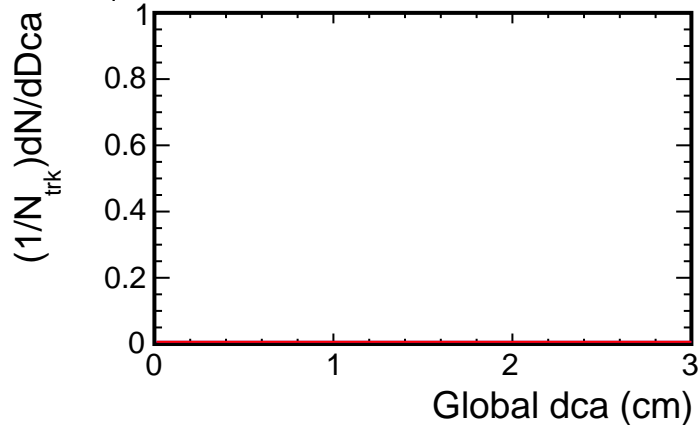
4, $4.5 < p_T < 5.0$ (GeV/c)



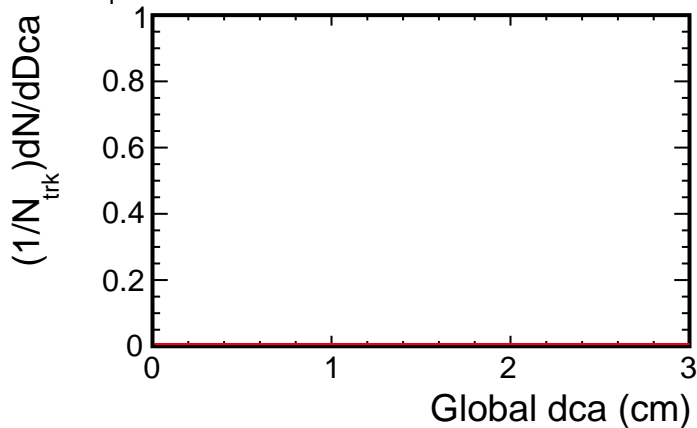
6, $4.5 < p_T < 5.0$ (GeV/c)



8, $4.5 < p_T < 5.0$ (GeV/c)



0, $4.5 < p_T < 5.0$ (GeV/c)

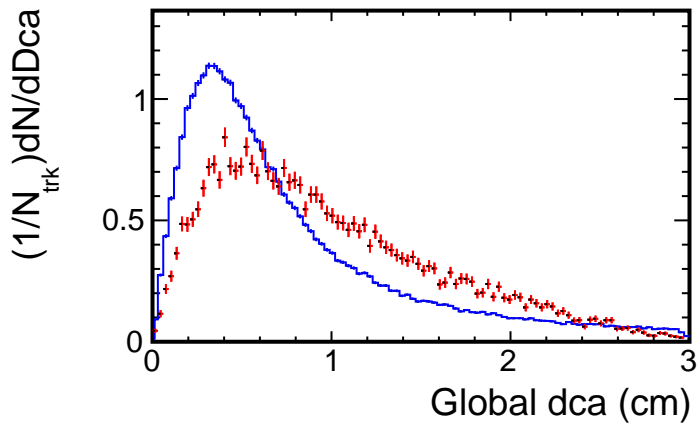


— Daughter pi- (from He4Lambda)
(CONTAM, geantid=9)

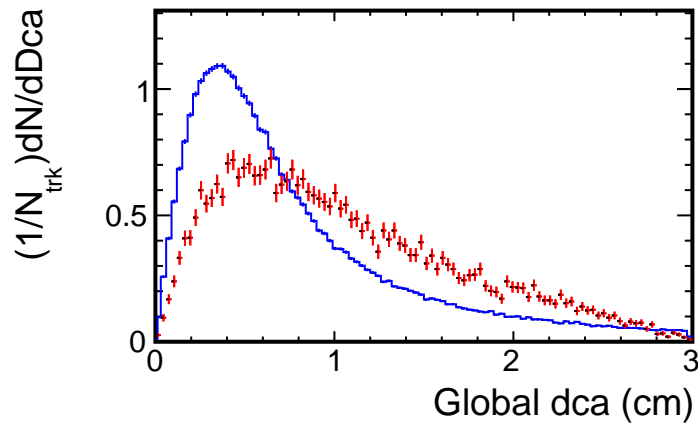
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices

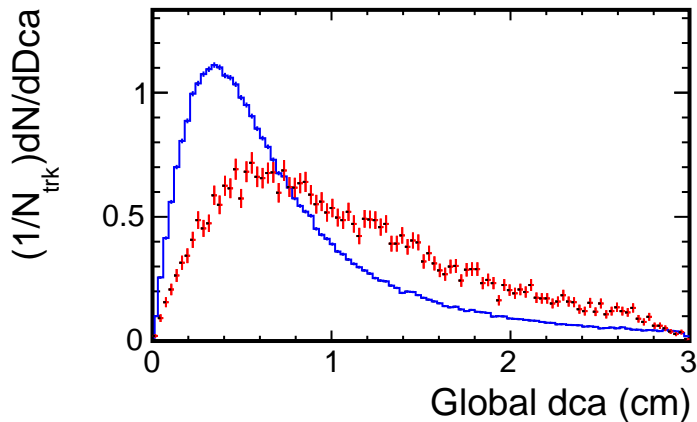
1.8, $0.1 < p_T < 0.5$ (GeV/c)



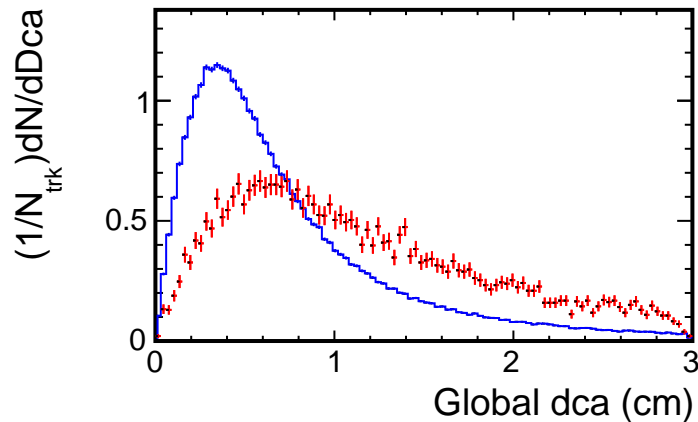
1.6, $0.1 < p_T < 0.5$ (GeV/c)



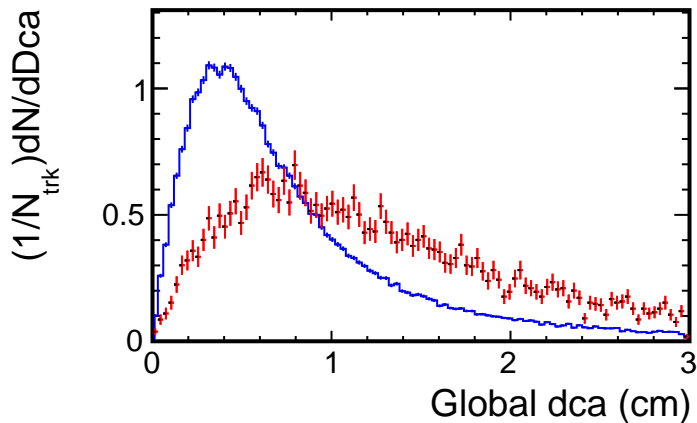
1.4, $0.1 < p_T < 0.5$ (GeV/c)



1.2, $0.1 < p_T < 0.5$ (GeV/c)



1.0, $0.1 < p_T < 0.5$ (GeV/c)

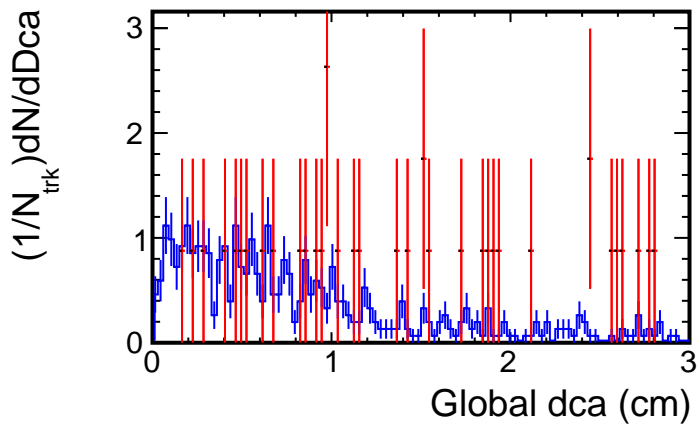


— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

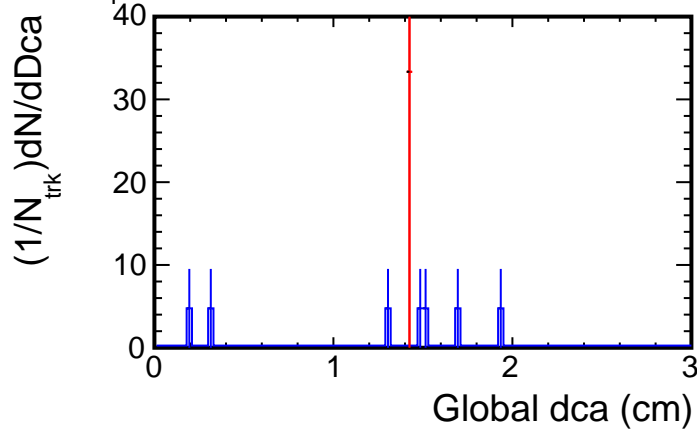
— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Dca distribution for (p_T , η) slices

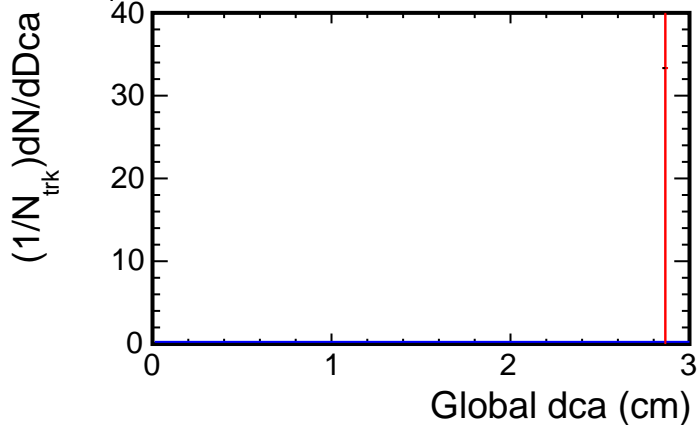
2, $0.1 < p_T < 0.5$ (GeV/c)



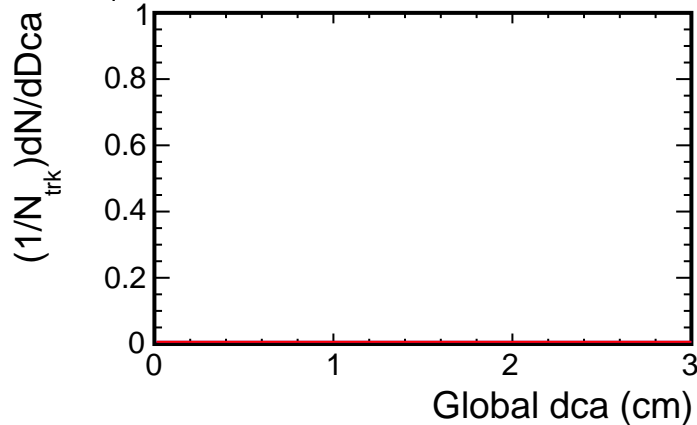
4, $0.1 < p_T < 0.5$ (GeV/c)



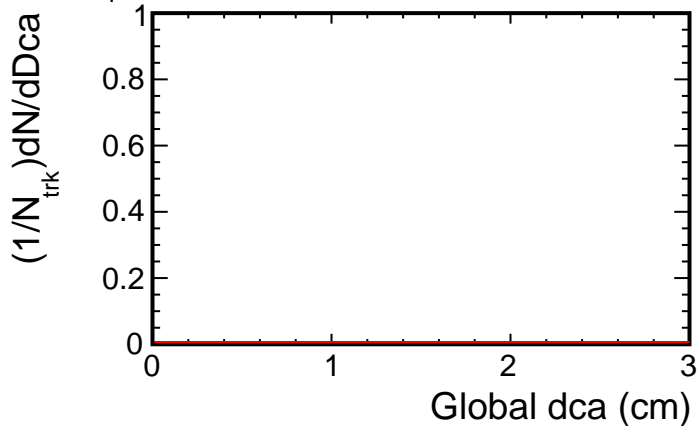
6, $0.1 < p_T < 0.5$ (GeV/c)



8, $0.1 < p_T < 0.5$ (GeV/c)



0, $0.1 < p_T < 0.5$ (GeV/c)

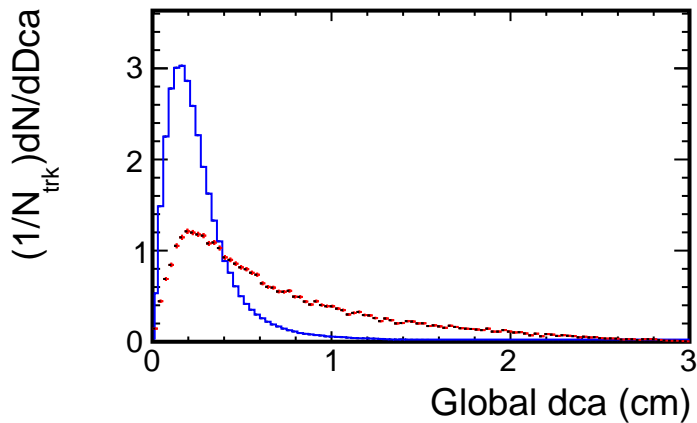


— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

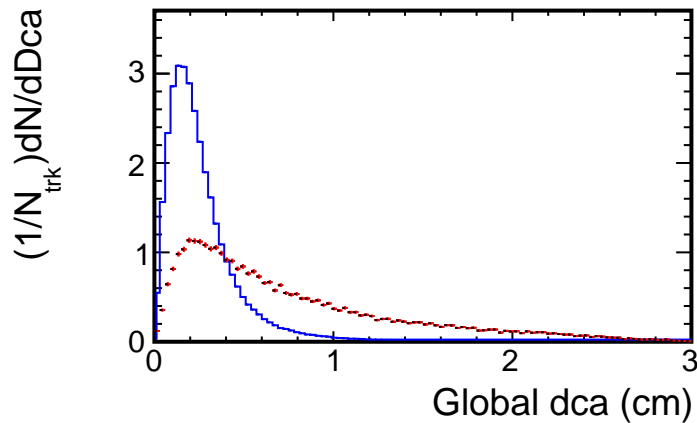
— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Dca distribution for (p_T , η) slices

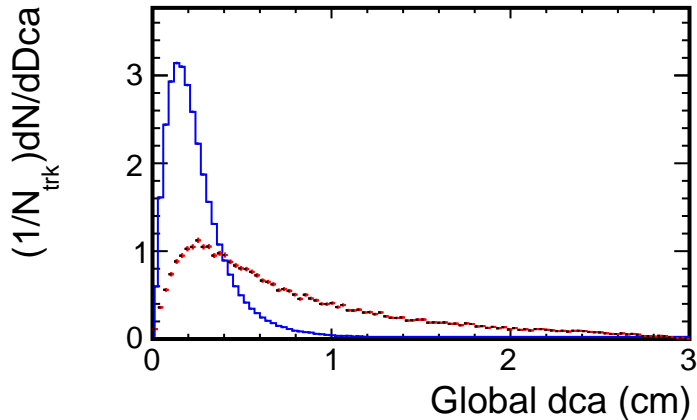
1.8, $0.5 < p_T < 1.0$ (GeV/c)



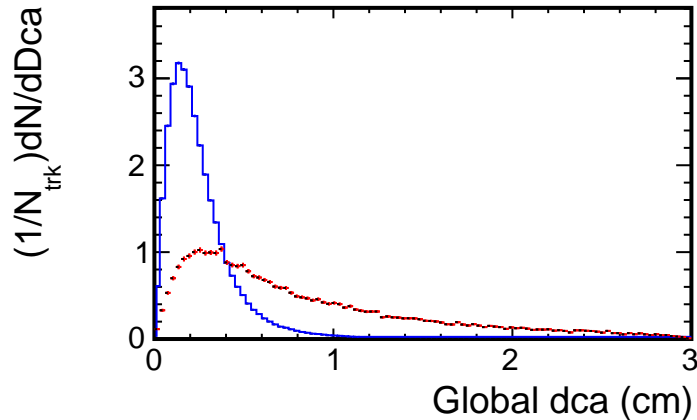
1.6, $0.5 < p_T < 1.0$ (GeV/c)



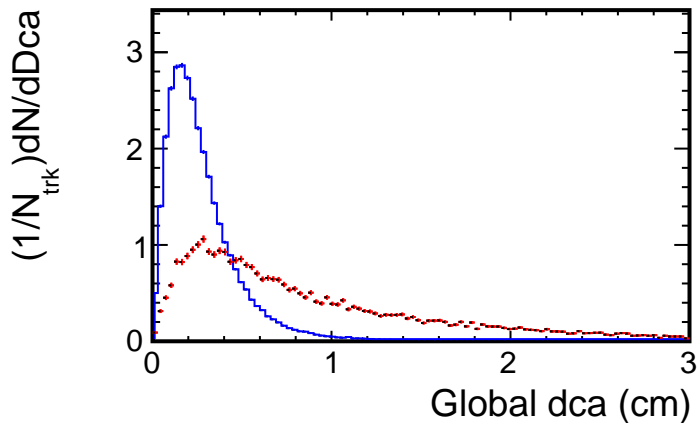
1.4, $0.5 < p_T < 1.0$ (GeV/c)



1.2, $0.5 < p_T < 1.0$ (GeV/c)



1.0, $0.5 < p_T < 1.0$ (GeV/c)

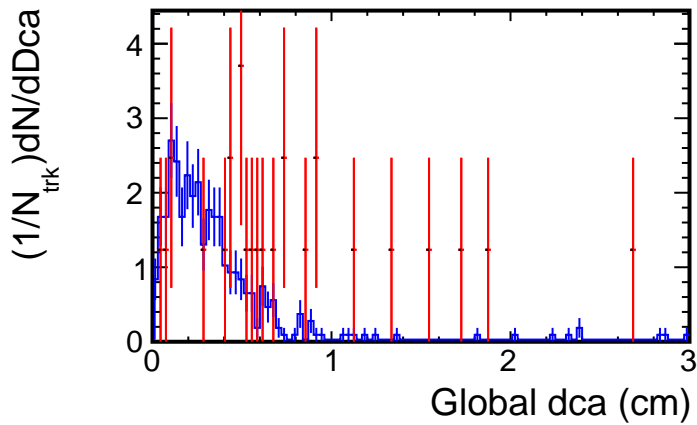


— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

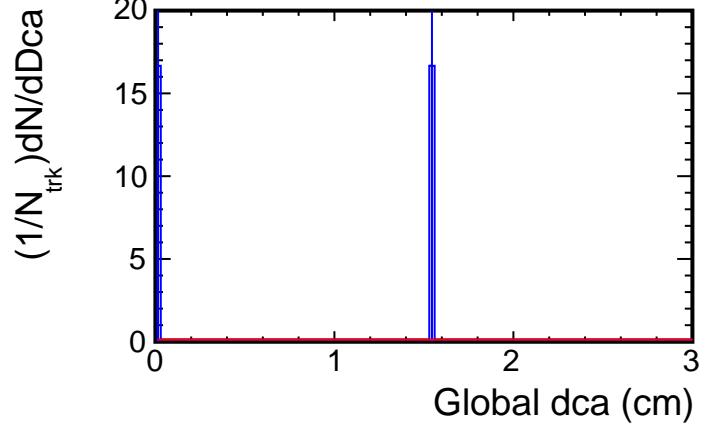
— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Dca distribution for (p_T , η) slices

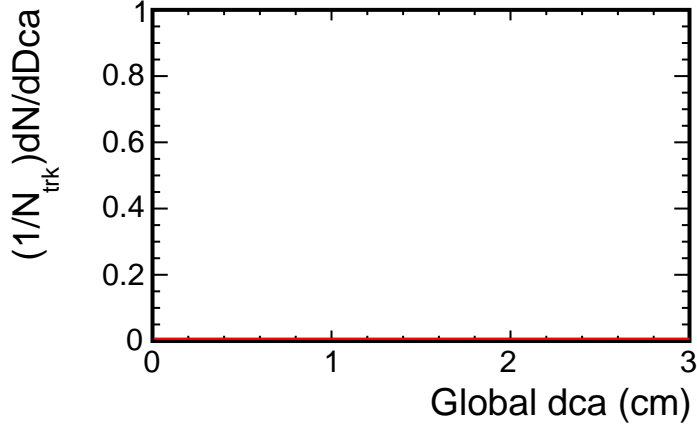
2, $0.5 < p_T < 1.0$ (GeV/c)



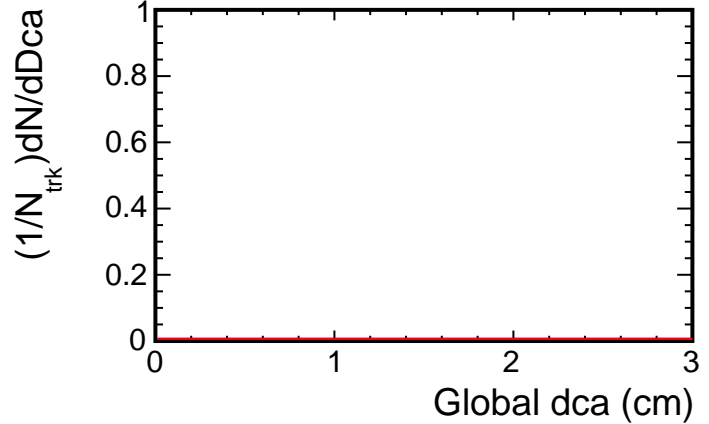
4, $0.5 < p_T < 1.0$ (GeV/c)



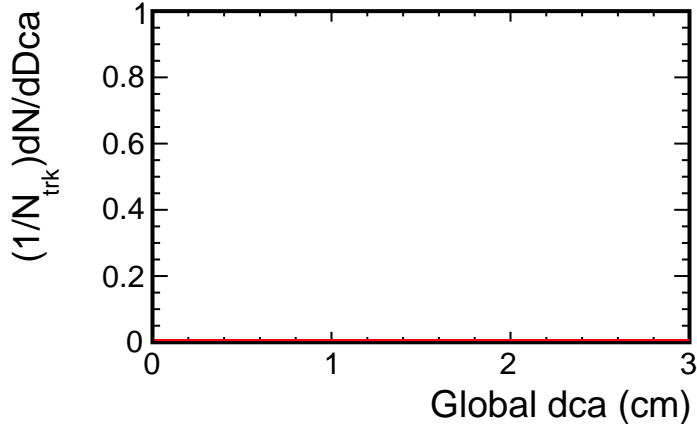
6, $0.5 < p_T < 1.0$ (GeV/c)



8, $0.5 < p_T < 1.0$ (GeV/c)



0, $0.5 < p_T < 1.0$ (GeV/c)

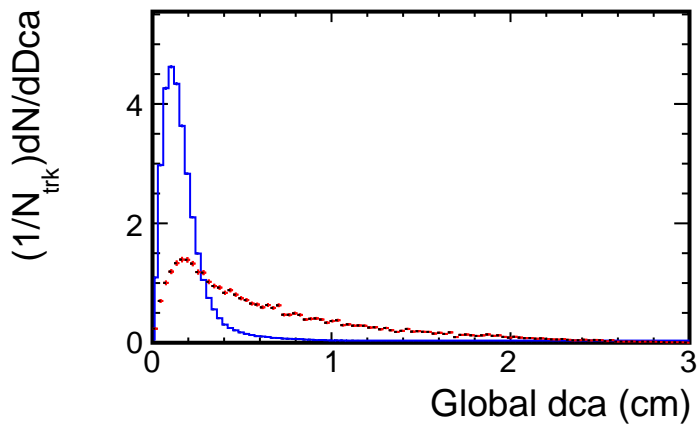


— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

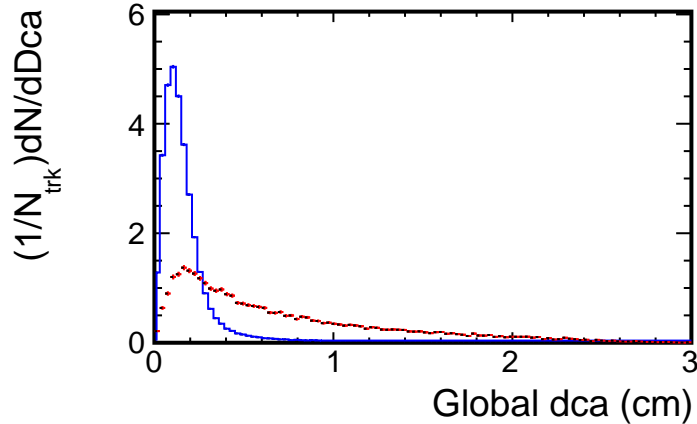
— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Dca distribution for (p_T , η) slices

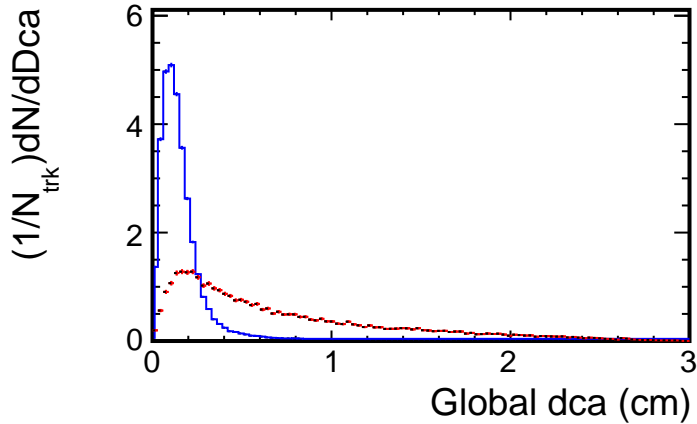
1.8, $1.0 < p_T < 1.5$ (GeV/c)



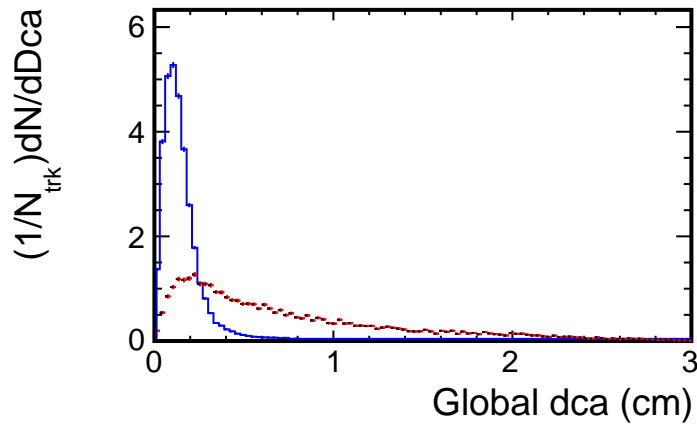
1.6, $1.0 < p_T < 1.5$ (GeV/c)



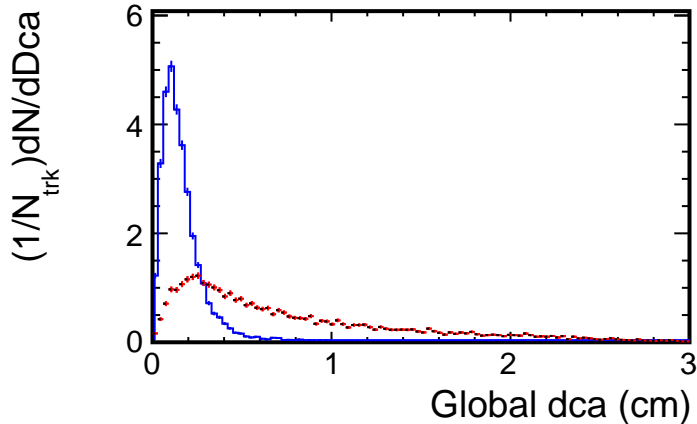
1.4, $1.0 < p_T < 1.5$ (GeV/c)



1.2, $1.0 < p_T < 1.5$ (GeV/c)



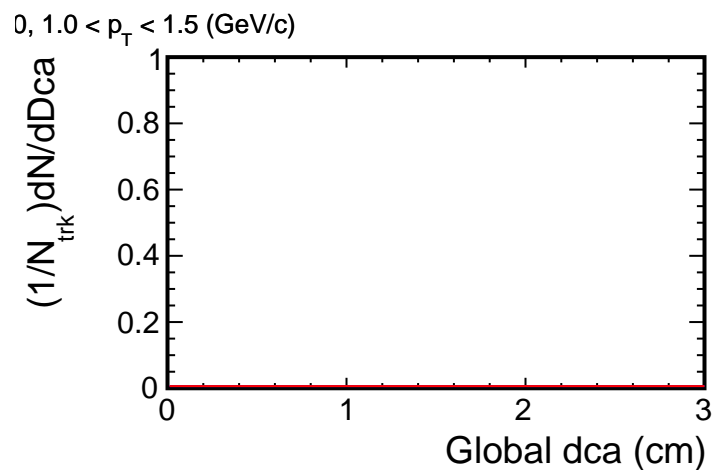
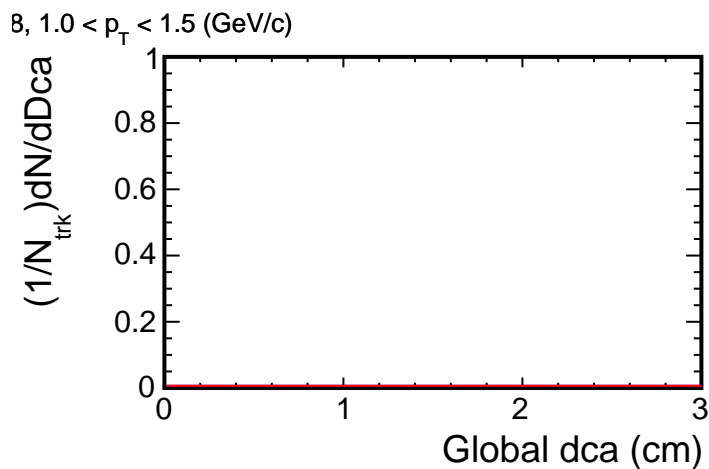
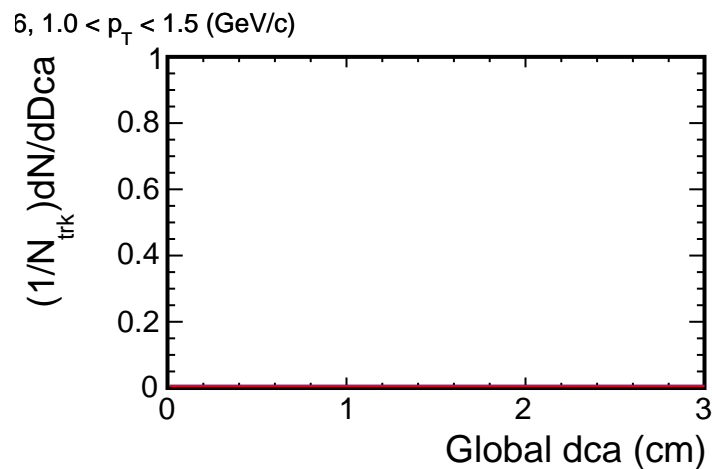
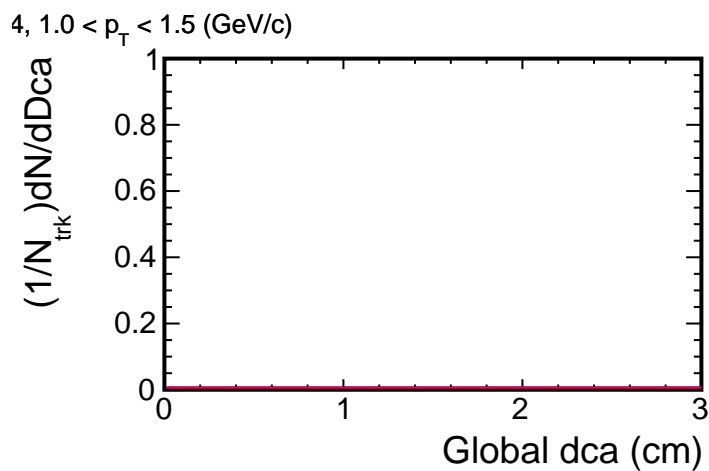
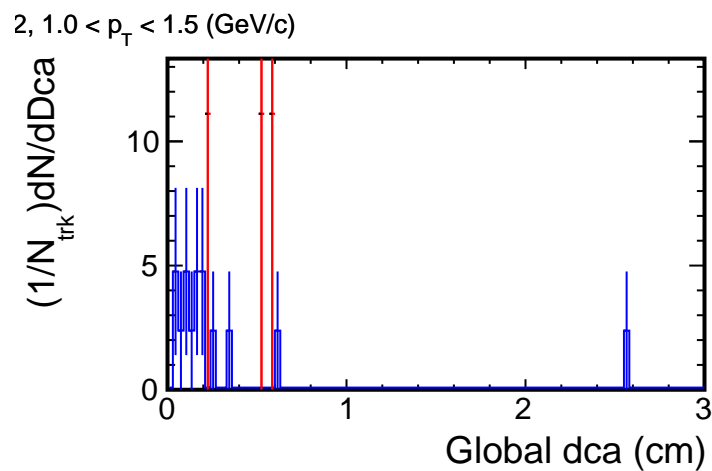
1.0, $1.0 < p_T < 1.5$ (GeV/c)



— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Dca distribution for (p_T , η) slices

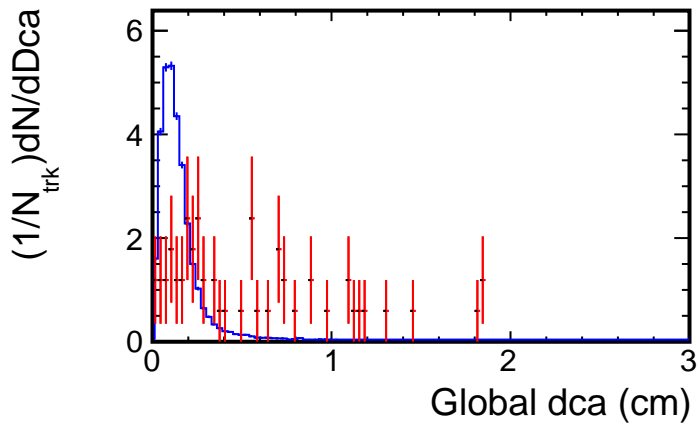


— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

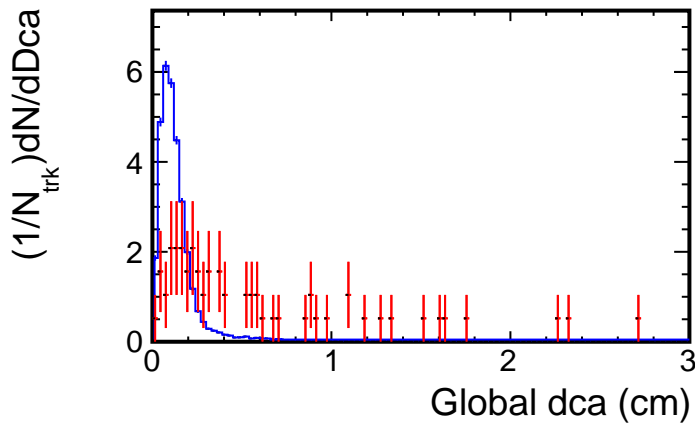
— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Dca distribution for (p_T , η) slices

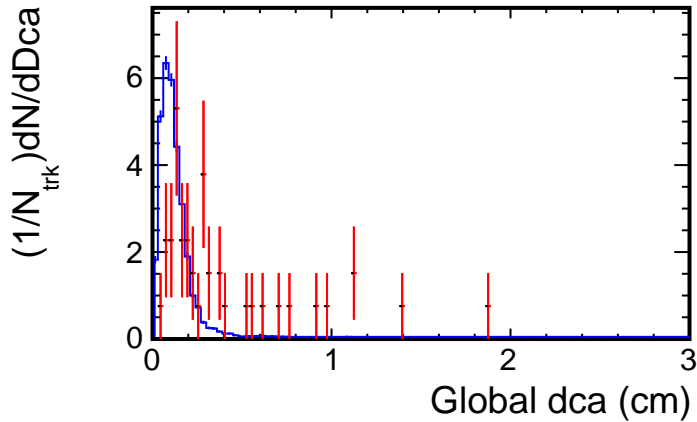
1.8, $1.5 < p_T < 2.0$ (GeV/c)



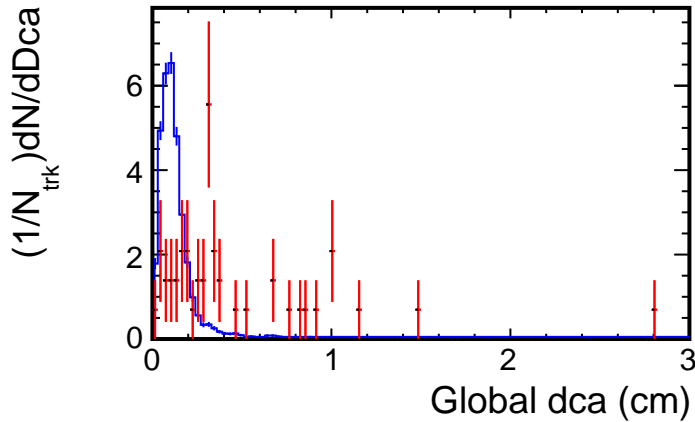
1.6, $1.5 < p_T < 2.0$ (GeV/c)



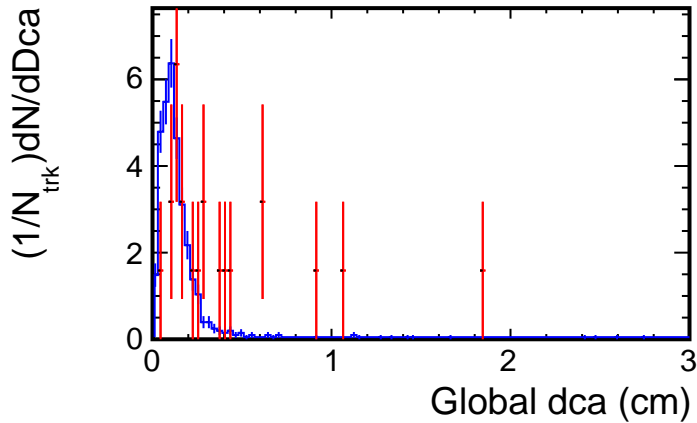
1.4, $1.5 < p_T < 2.0$ (GeV/c)



1.2, $1.5 < p_T < 2.0$ (GeV/c)



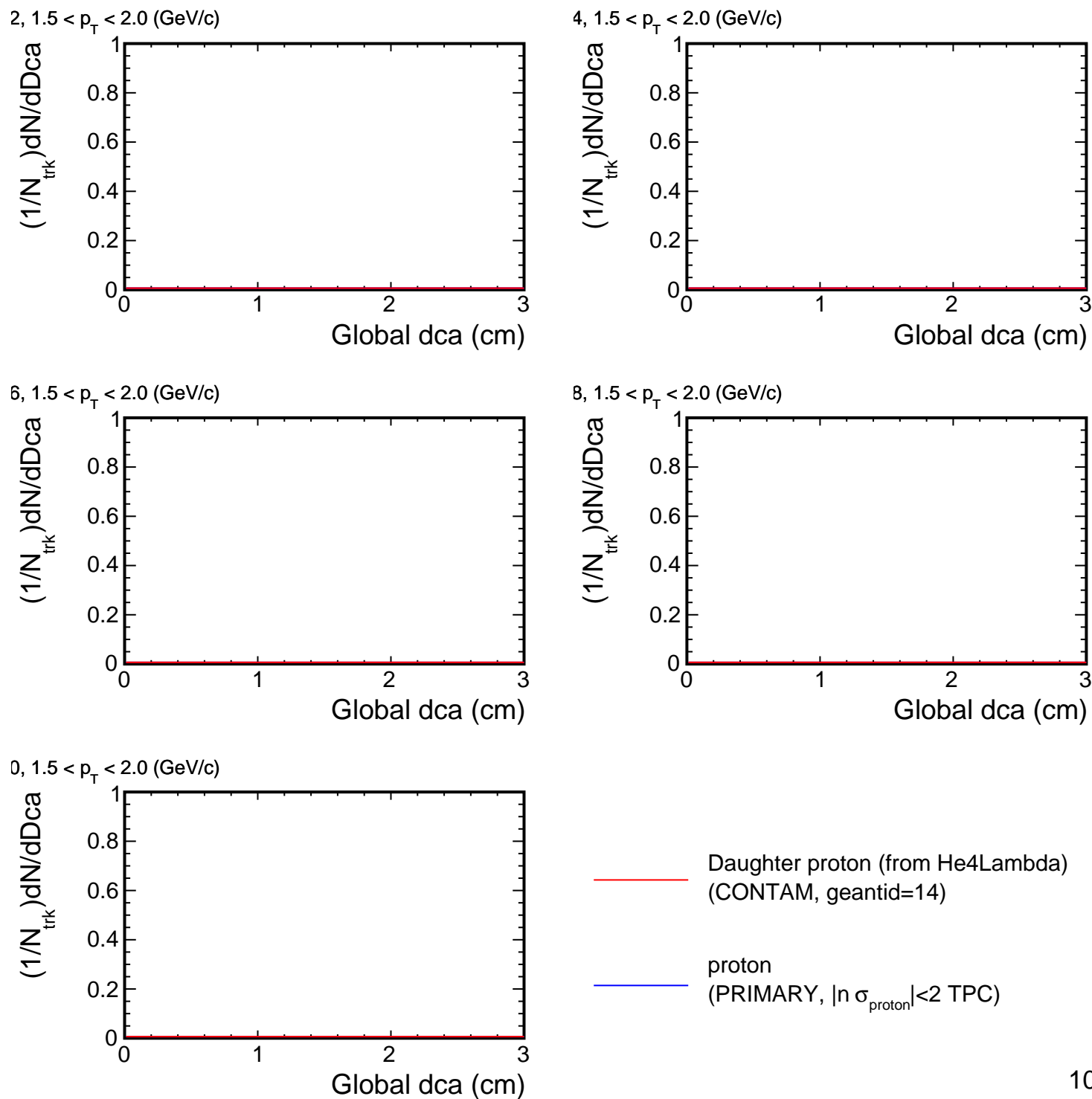
1.0, $1.5 < p_T < 2.0$ (GeV/c)



— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

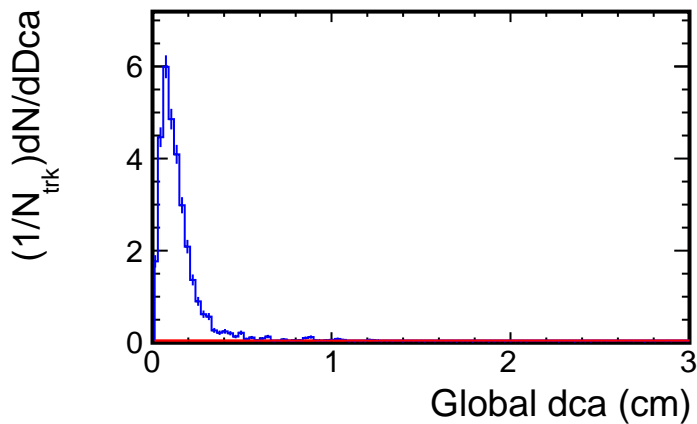
— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Dca distribution for (p_T , η) slices

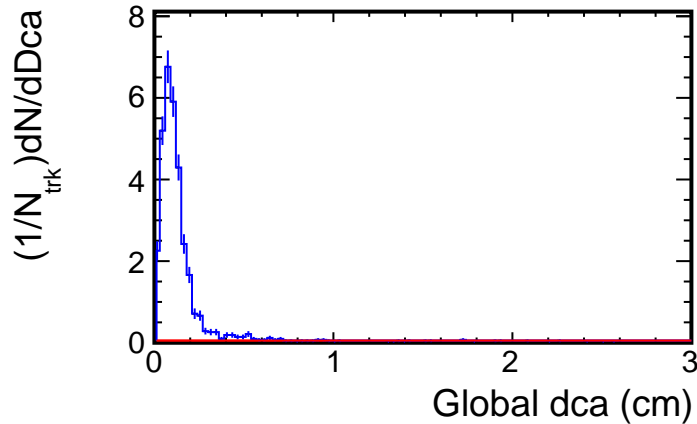


Dca distribution for (p_T , η) slices

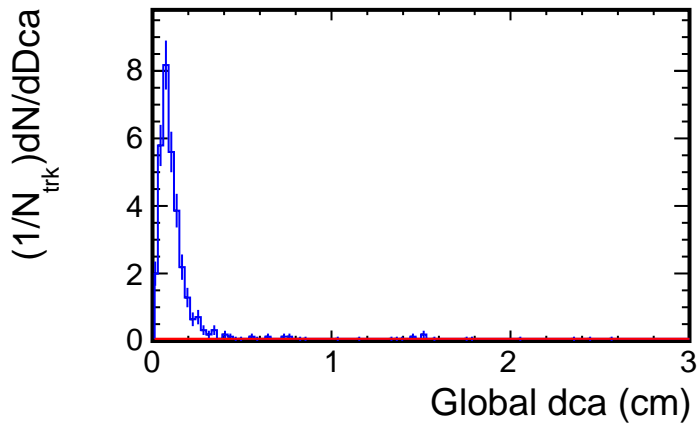
1.8, $2.0 < p_T < 2.5$ (GeV/c)



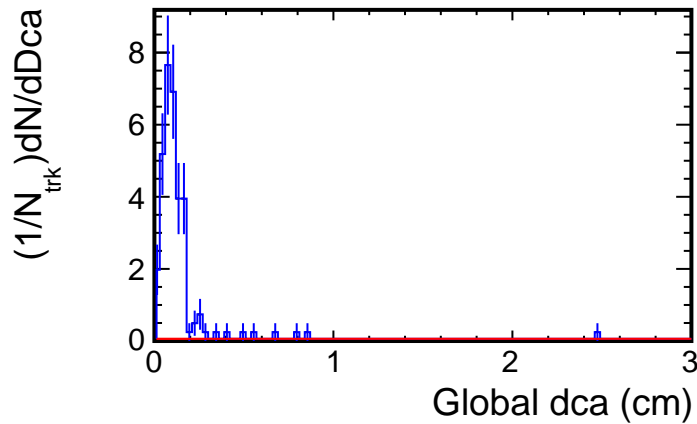
1.6, $2.0 < p_T < 2.5$ (GeV/c)



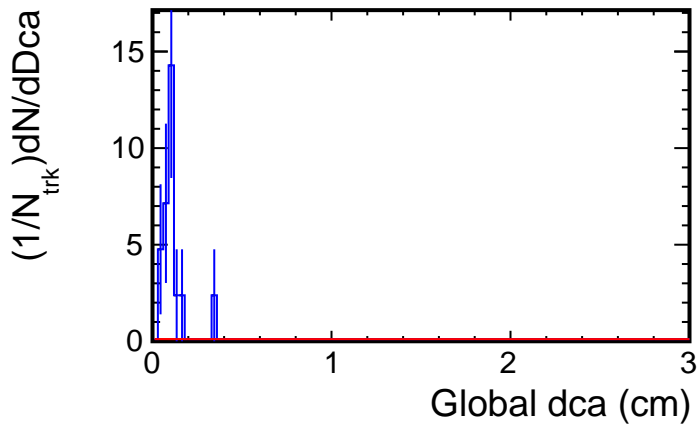
1.4, $2.0 < p_T < 2.5$ (GeV/c)



1.2, $2.0 < p_T < 2.5$ (GeV/c)



1.0, $2.0 < p_T < 2.5$ (GeV/c)

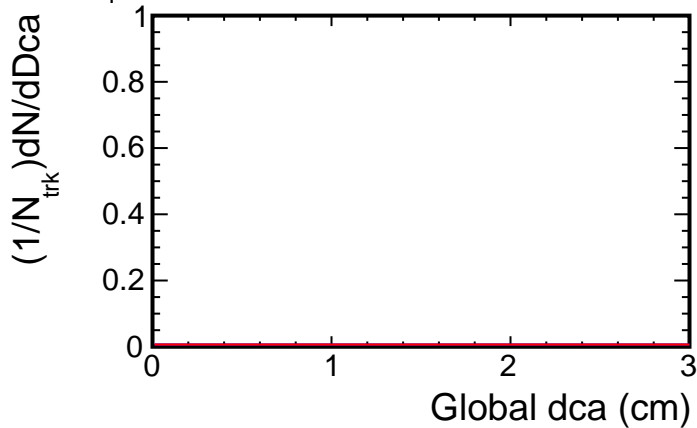


— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

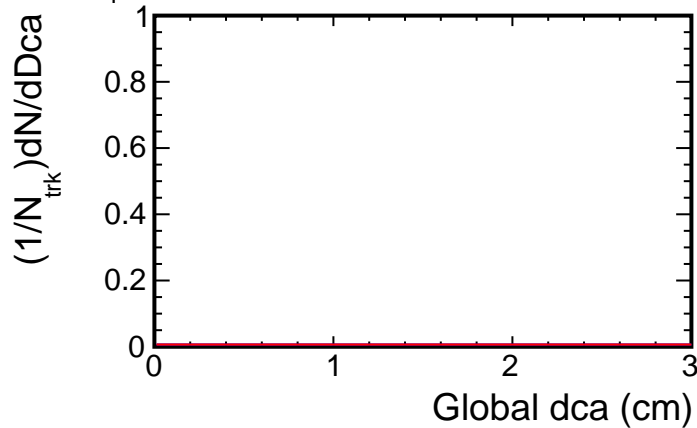
— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Dca distribution for (p_T , η) slices

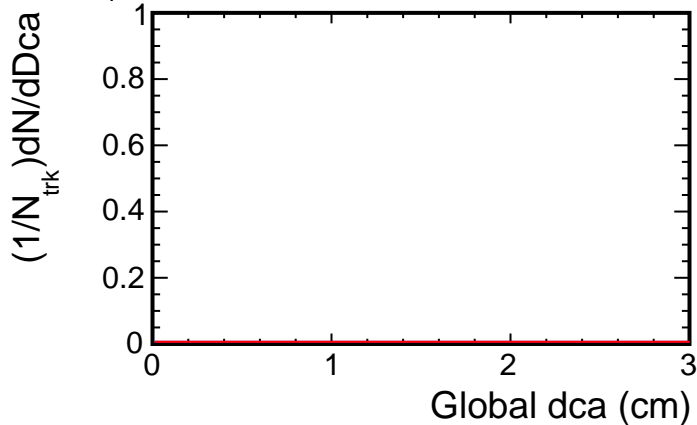
2, $2.0 < p_T < 2.5$ (GeV/c)



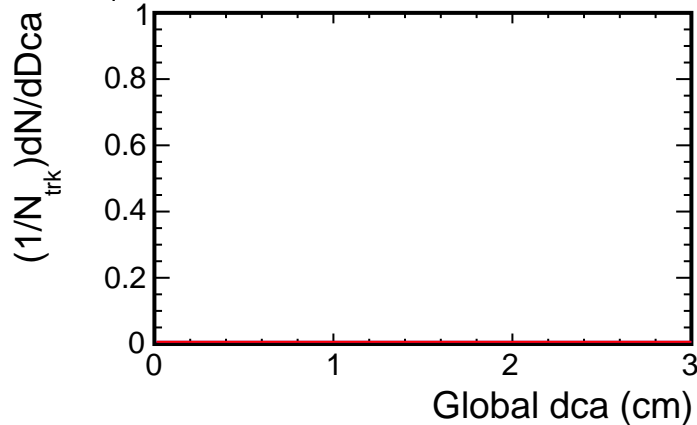
4, $2.0 < p_T < 2.5$ (GeV/c)



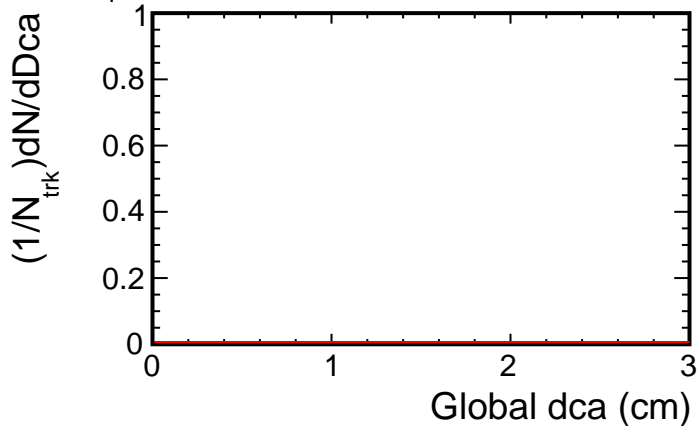
6, $2.0 < p_T < 2.5$ (GeV/c)



8, $2.0 < p_T < 2.5$ (GeV/c)



0, $2.0 < p_T < 2.5$ (GeV/c)

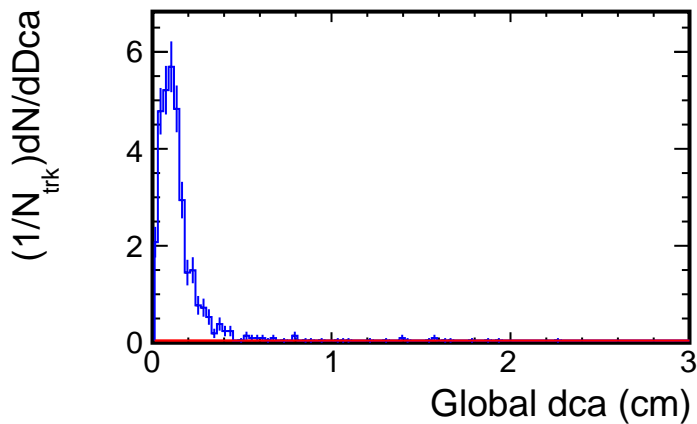


— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

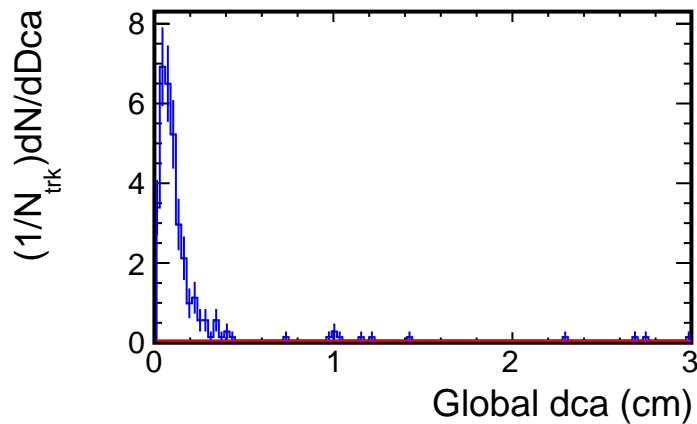
— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Dca distribution for (p_T , η) slices

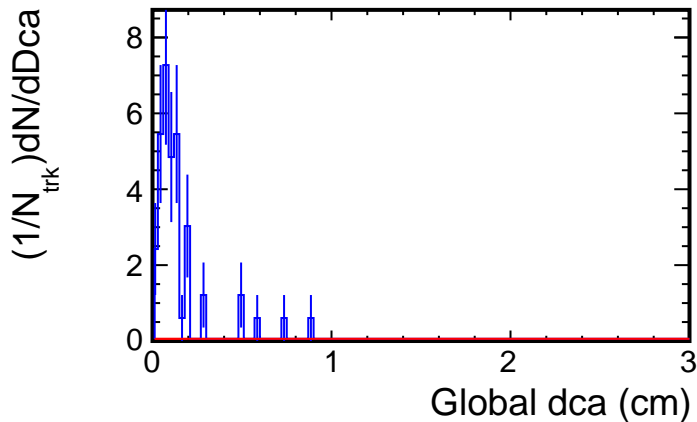
1.8, $2.5 < p_T < 3.0$ (GeV/c)



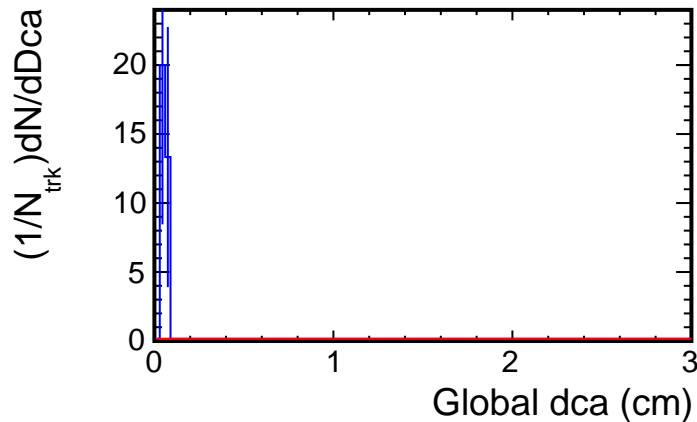
1.6, $2.5 < p_T < 3.0$ (GeV/c)



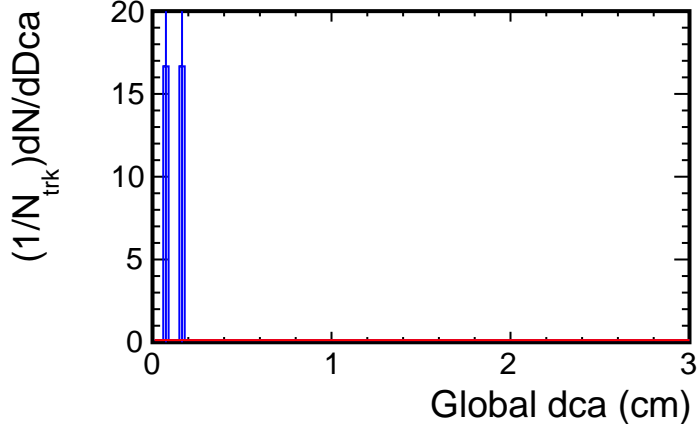
1.4, $2.5 < p_T < 3.0$ (GeV/c)



1.2, $2.5 < p_T < 3.0$ (GeV/c)



1.0, $2.5 < p_T < 3.0$ (GeV/c)

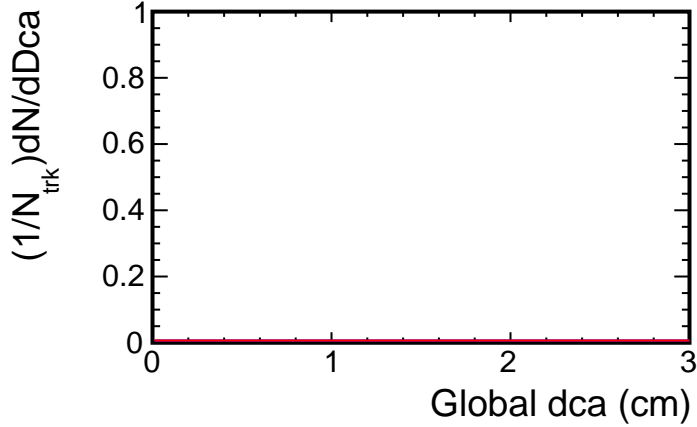


— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

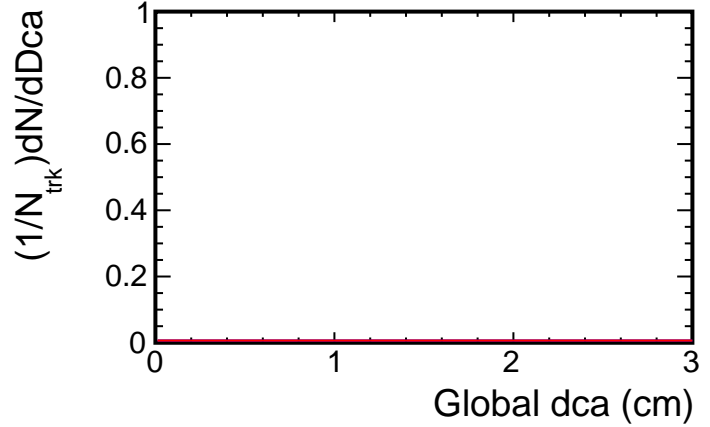
— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Dca distribution for (p_T , η) slices

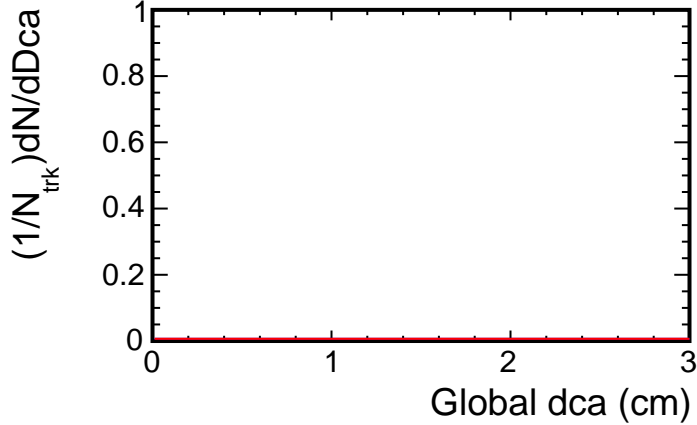
2, $2.5 < p_T < 3.0$ (GeV/c)



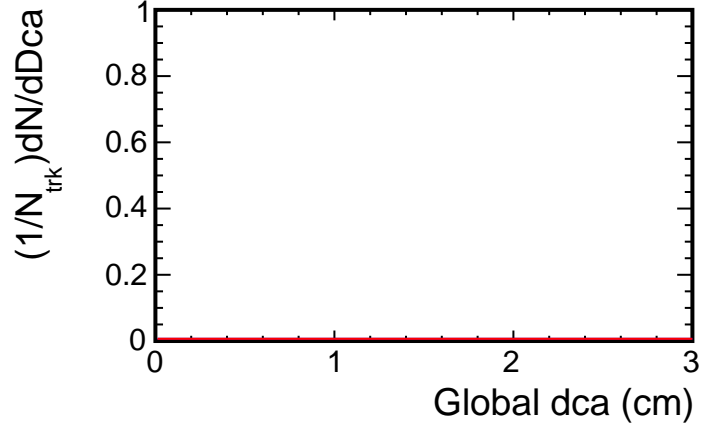
4, $2.5 < p_T < 3.0$ (GeV/c)



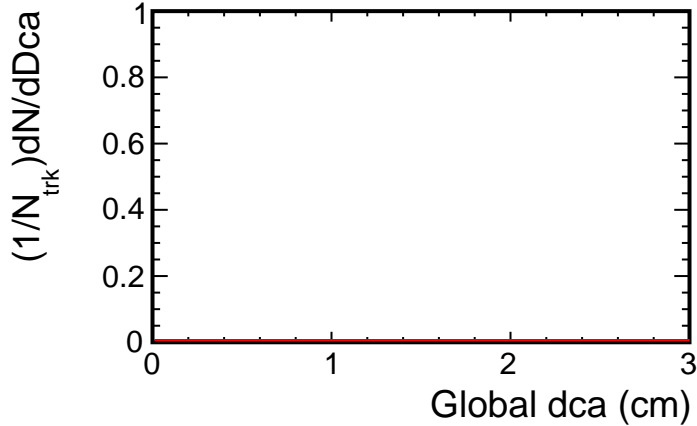
6, $2.5 < p_T < 3.0$ (GeV/c)



8, $2.5 < p_T < 3.0$ (GeV/c)



0, $2.5 < p_T < 3.0$ (GeV/c)

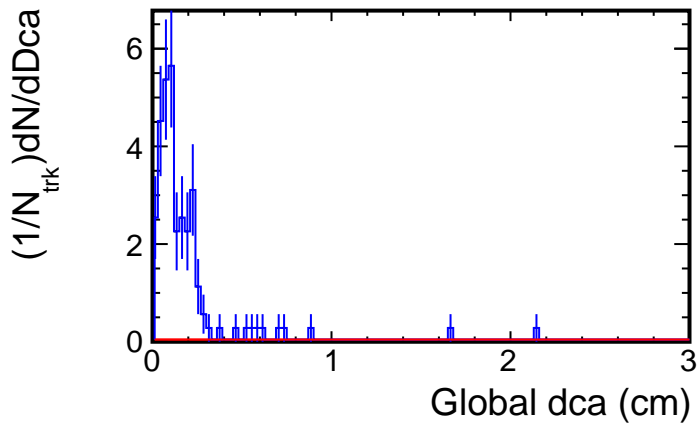


— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

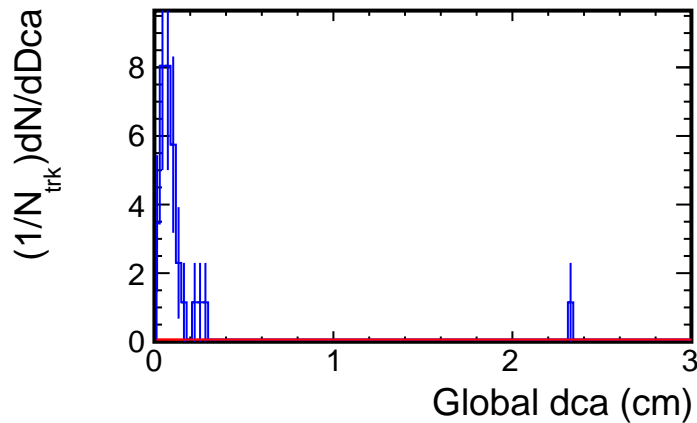
— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Dca distribution for (p_T , η) slices

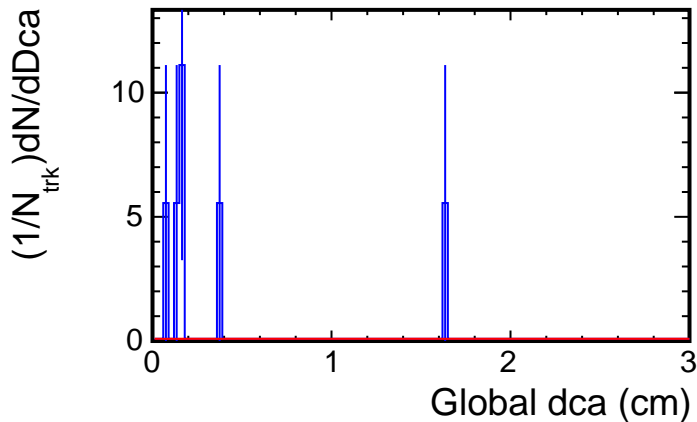
1.8, $3.0 < p_T < 3.5$ (GeV/c)



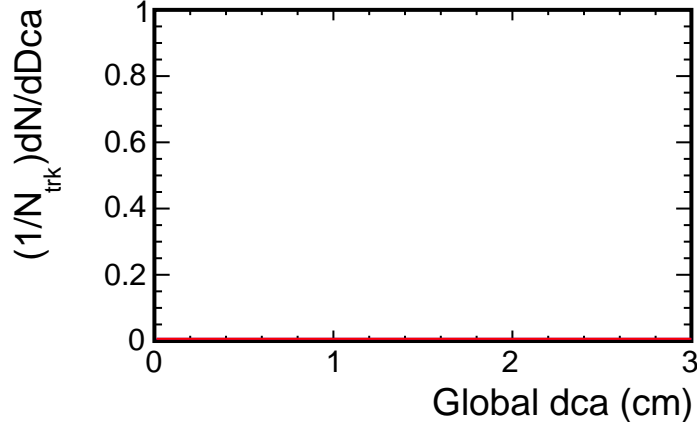
1.6, $3.0 < p_T < 3.5$ (GeV/c)



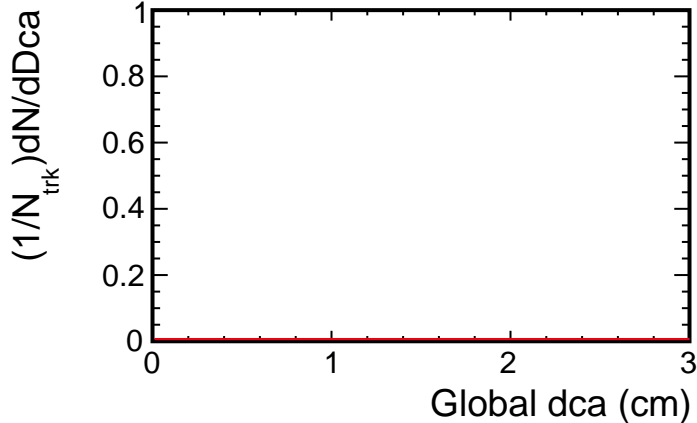
1.4, $3.0 < p_T < 3.5$ (GeV/c)



1.2, $3.0 < p_T < 3.5$ (GeV/c)



1.0, $3.0 < p_T < 3.5$ (GeV/c)

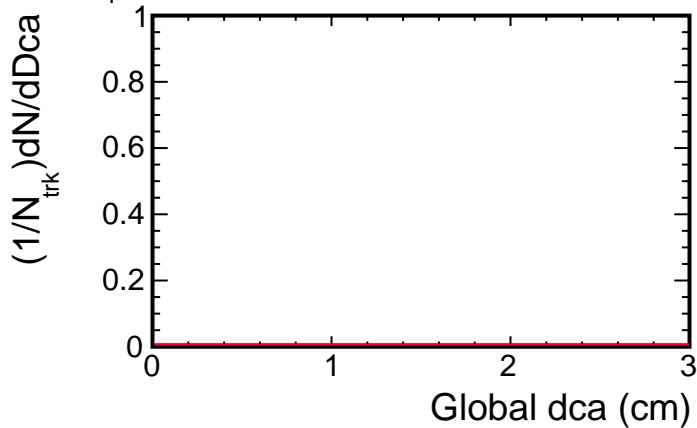


— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

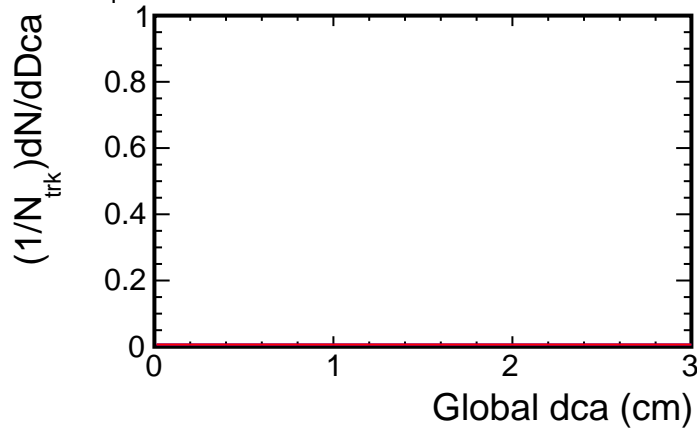
— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Dca distribution for (p_T , η) slices

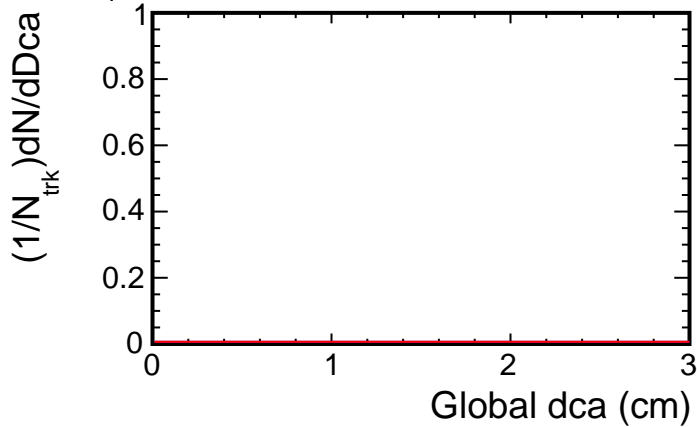
2, $3.0 < p_T < 3.5$ (GeV/c)



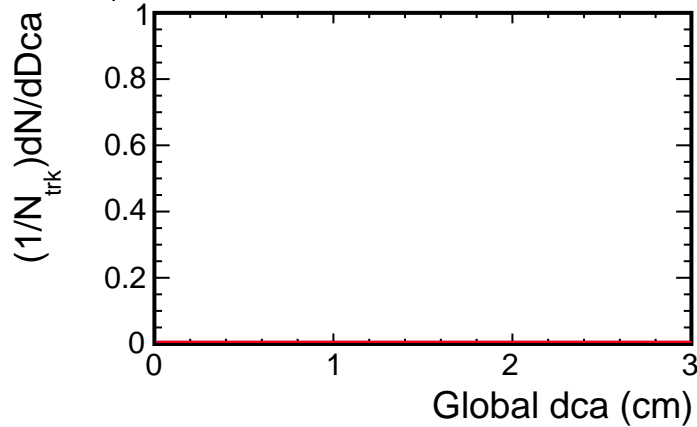
4, $3.0 < p_T < 3.5$ (GeV/c)



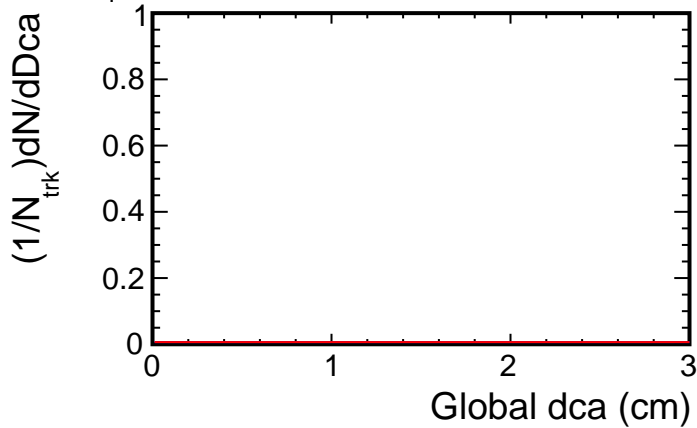
6, $3.0 < p_T < 3.5$ (GeV/c)



8, $3.0 < p_T < 3.5$ (GeV/c)



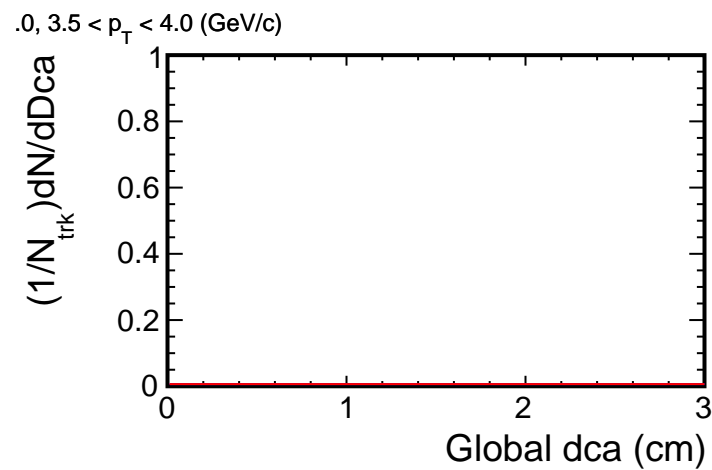
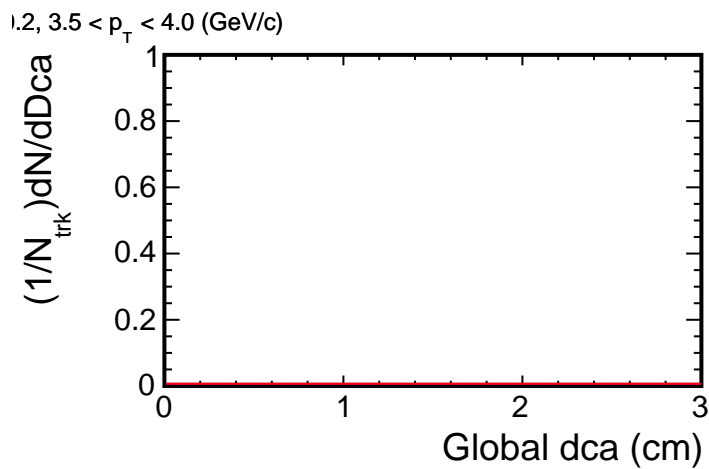
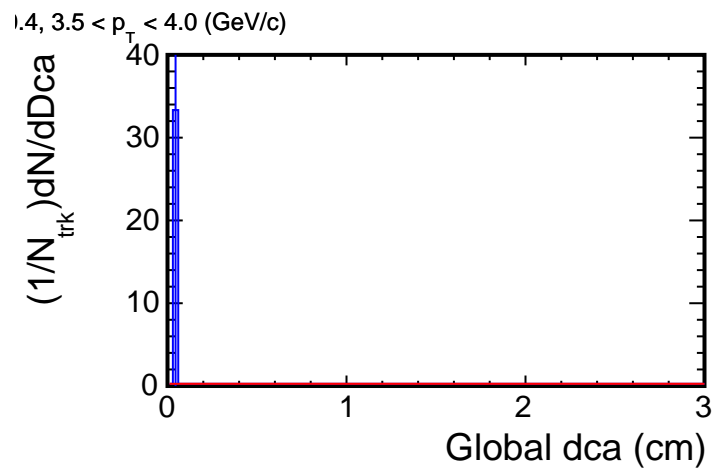
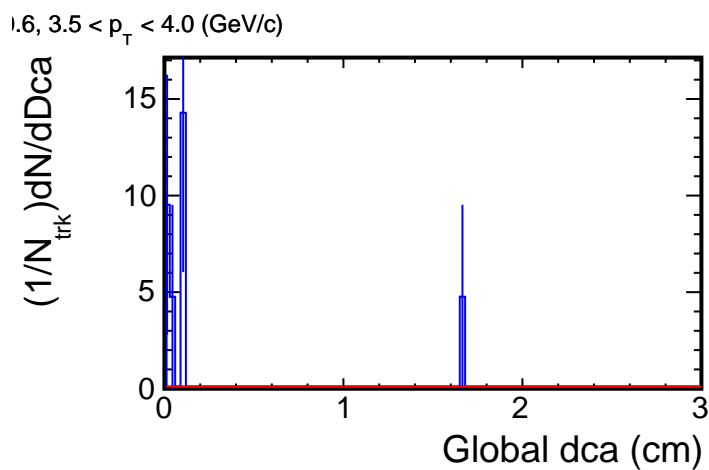
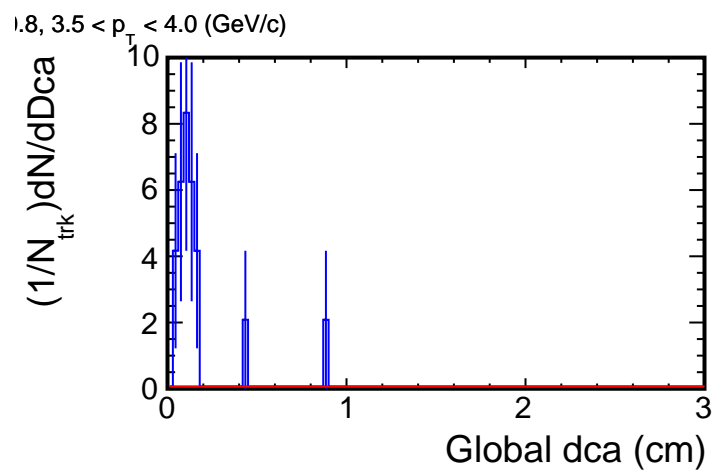
0, $3.0 < p_T < 3.5$ (GeV/c)



— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Dca distribution for (p_T , η) slices

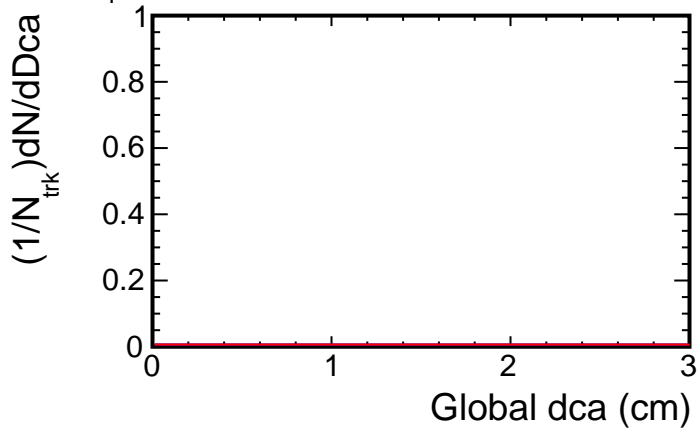


— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

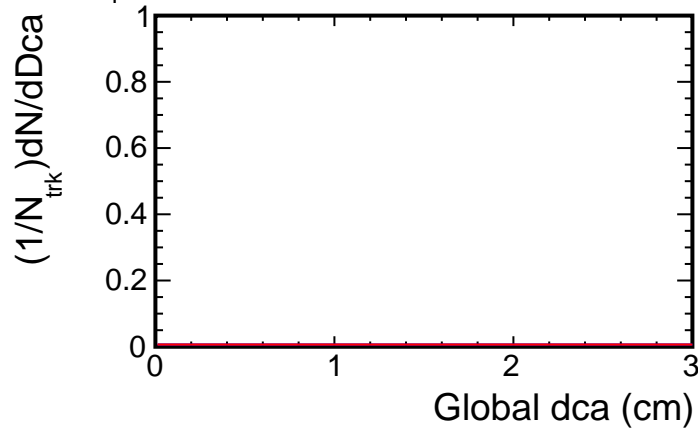
— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Dca distribution for (p_T , η) slices

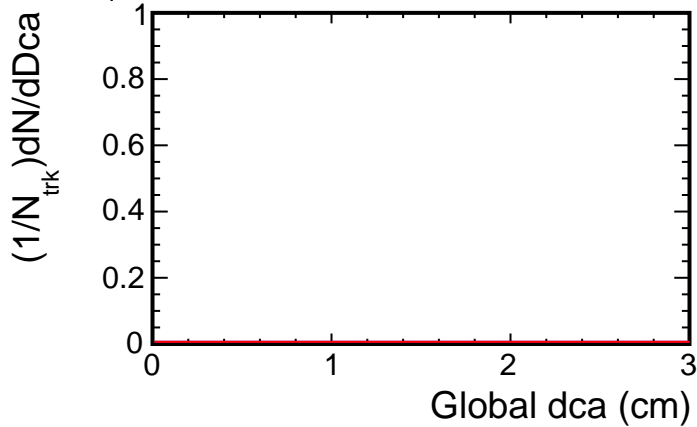
2, $3.5 < p_T < 4.0$ (GeV/c)



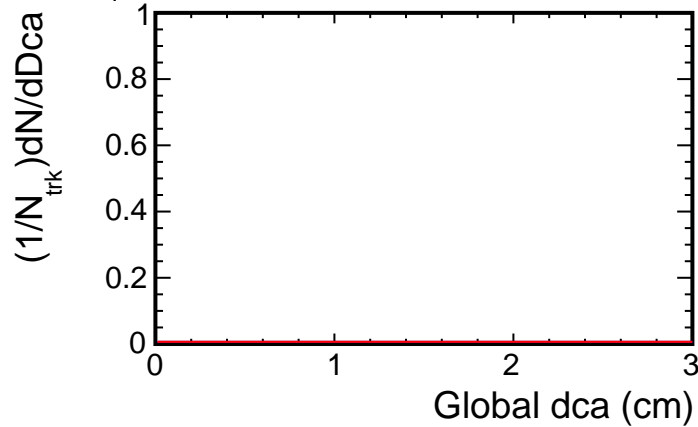
4, $3.5 < p_T < 4.0$ (GeV/c)



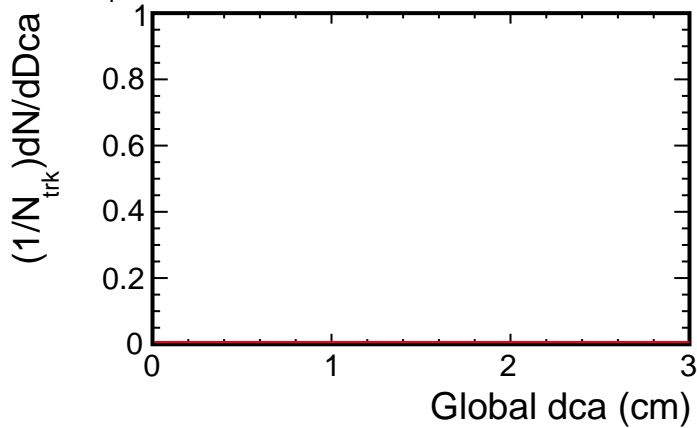
6, $3.5 < p_T < 4.0$ (GeV/c)



8, $3.5 < p_T < 4.0$ (GeV/c)



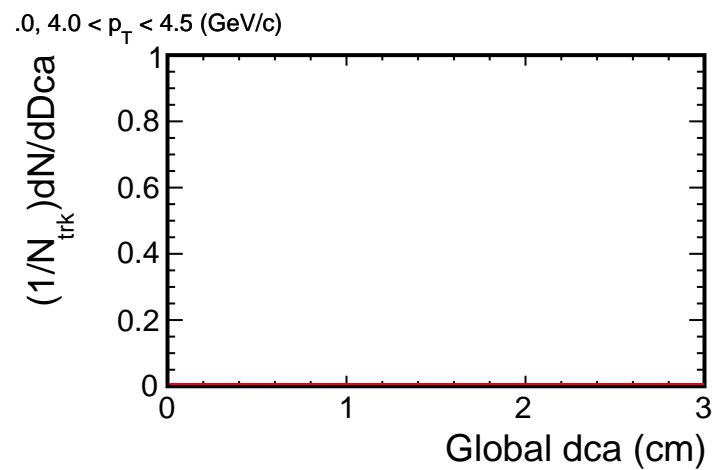
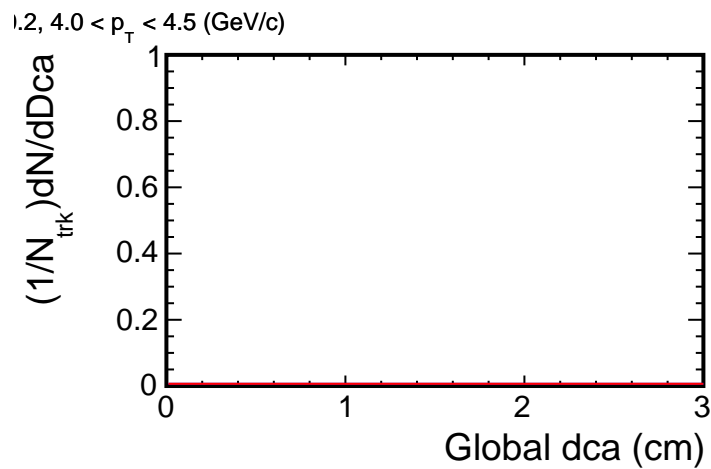
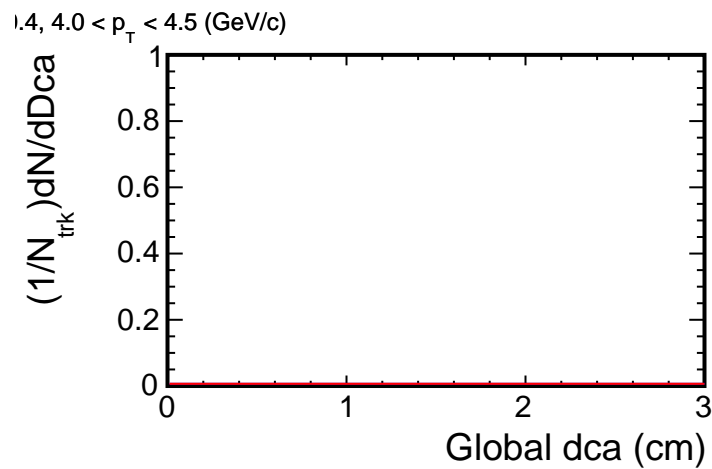
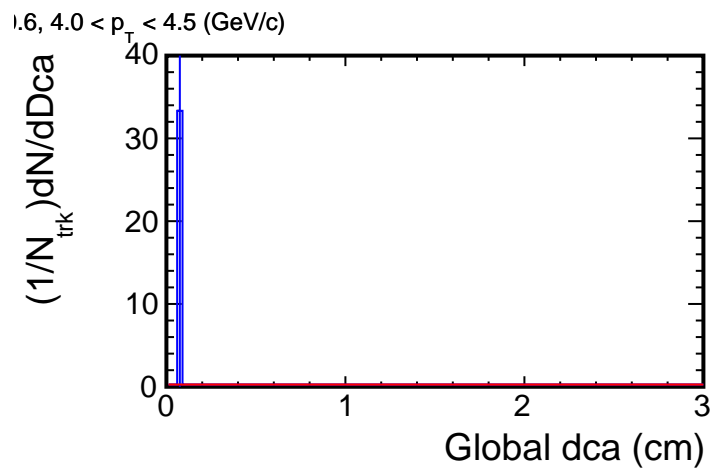
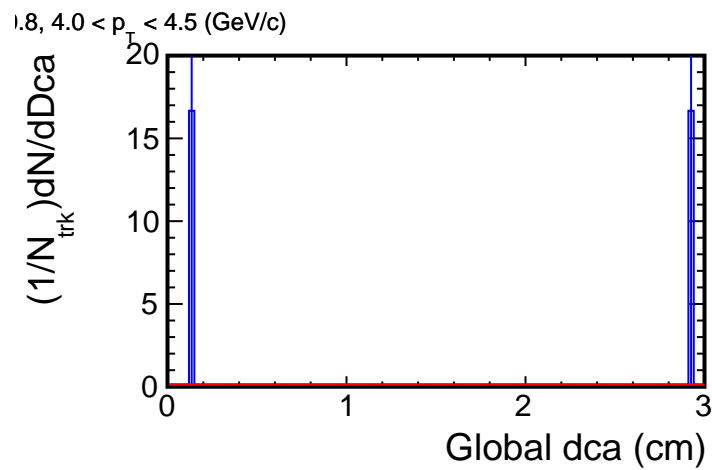
0, $3.5 < p_T < 4.0$ (GeV/c)



— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Dca distribution for (p_T , η) slices

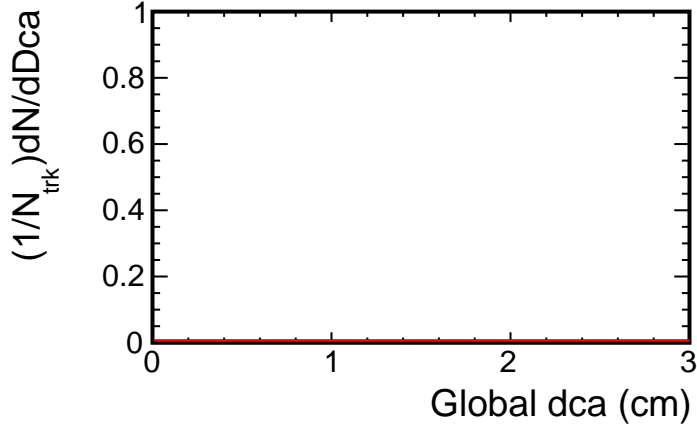


— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

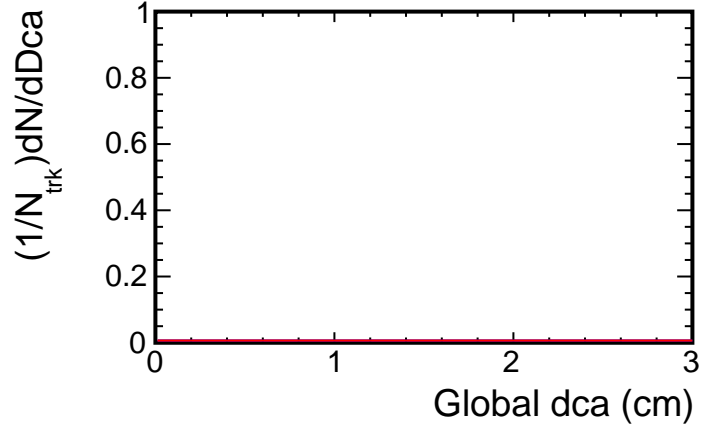
— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Dca distribution for (p_T , η) slices

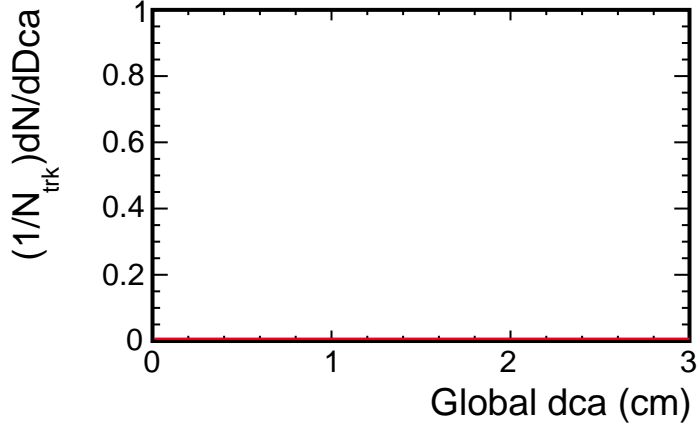
2, $4.0 < p_T < 4.5$ (GeV/c)



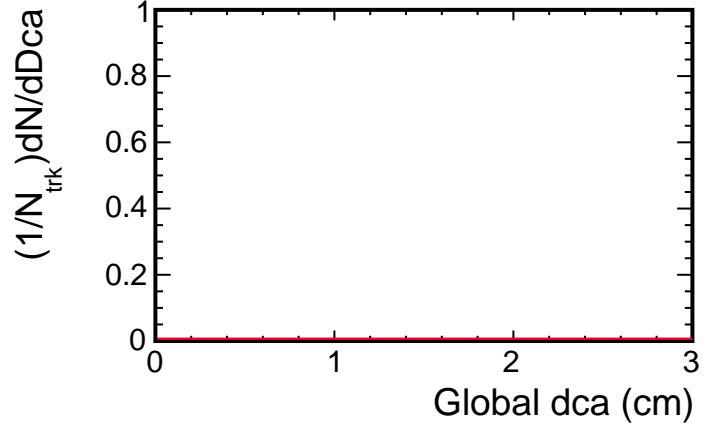
4, $4.0 < p_T < 4.5$ (GeV/c)



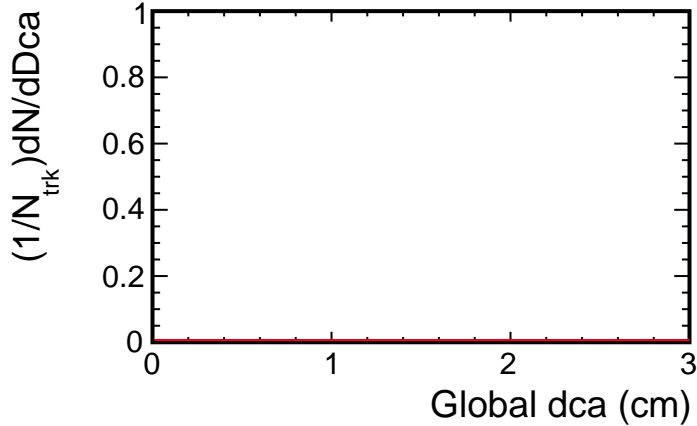
6, $4.0 < p_T < 4.5$ (GeV/c)



8, $4.0 < p_T < 4.5$ (GeV/c)



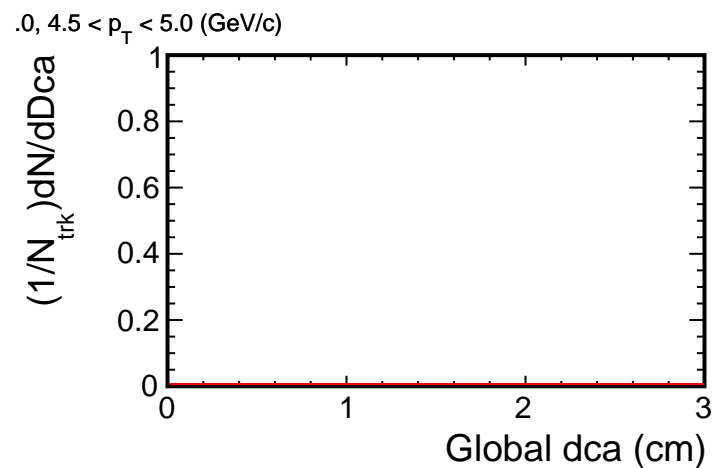
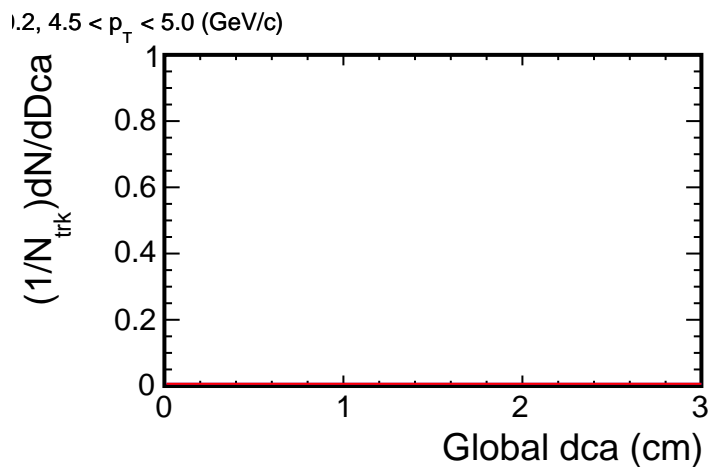
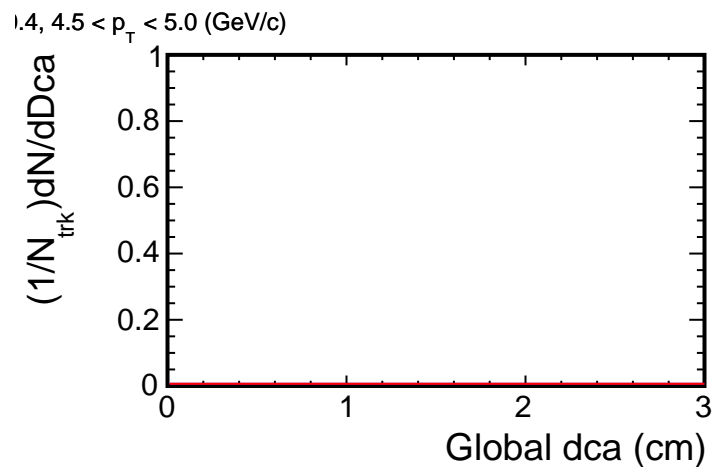
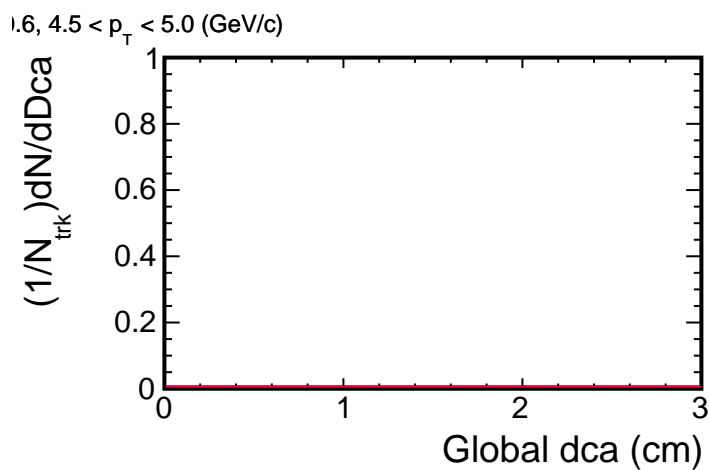
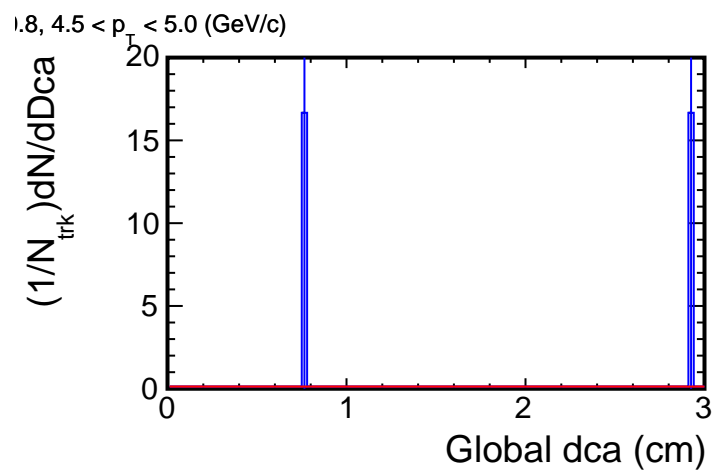
0, $4.0 < p_T < 4.5$ (GeV/c)



— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Dca distribution for (p_T , η) slices

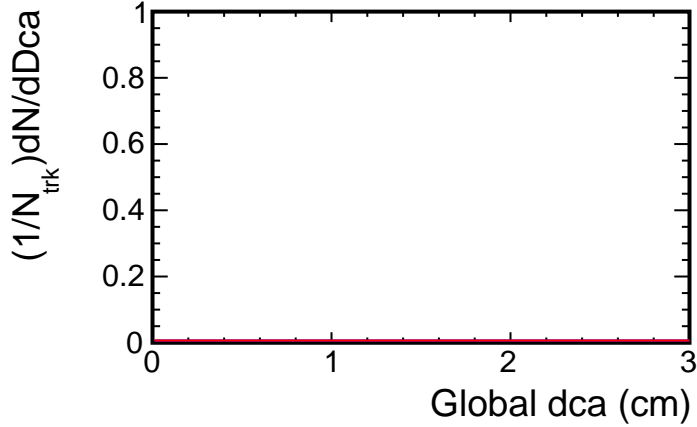


— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

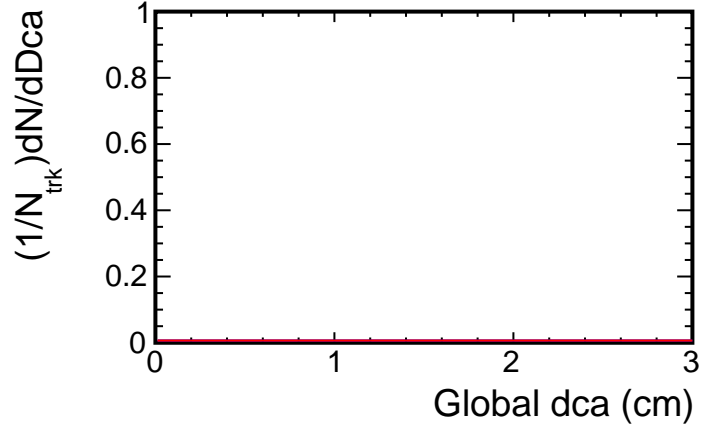
— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Dca distribution for (p_T , η) slices

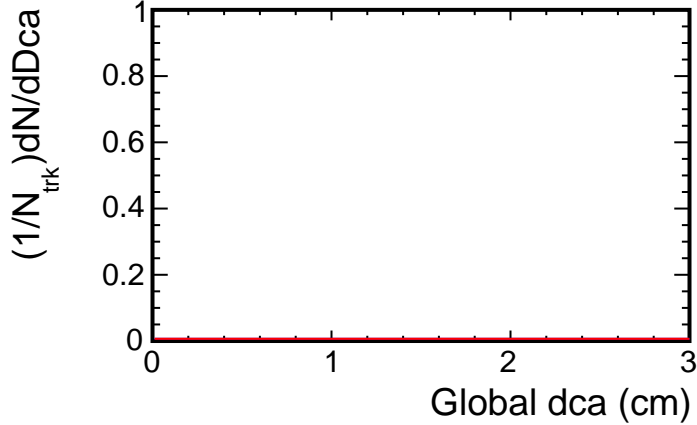
2, $4.5 < p_T < 5.0$ (GeV/c)



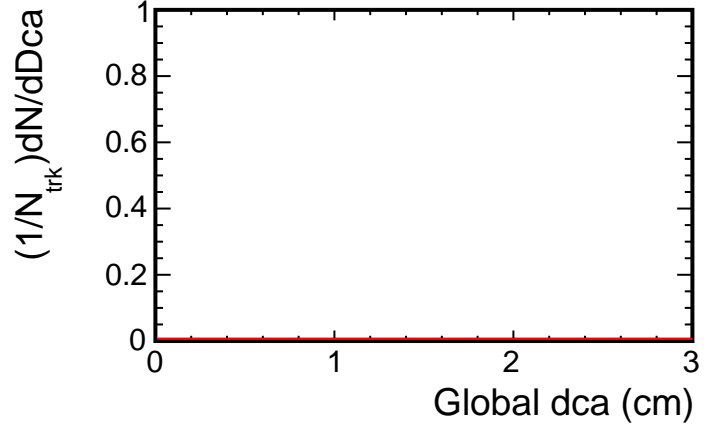
4, $4.5 < p_T < 5.0$ (GeV/c)



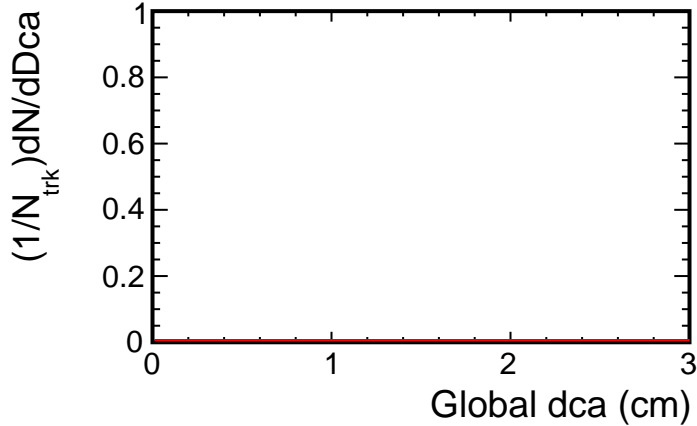
6, $4.5 < p_T < 5.0$ (GeV/c)



8, $4.5 < p_T < 5.0$ (GeV/c)



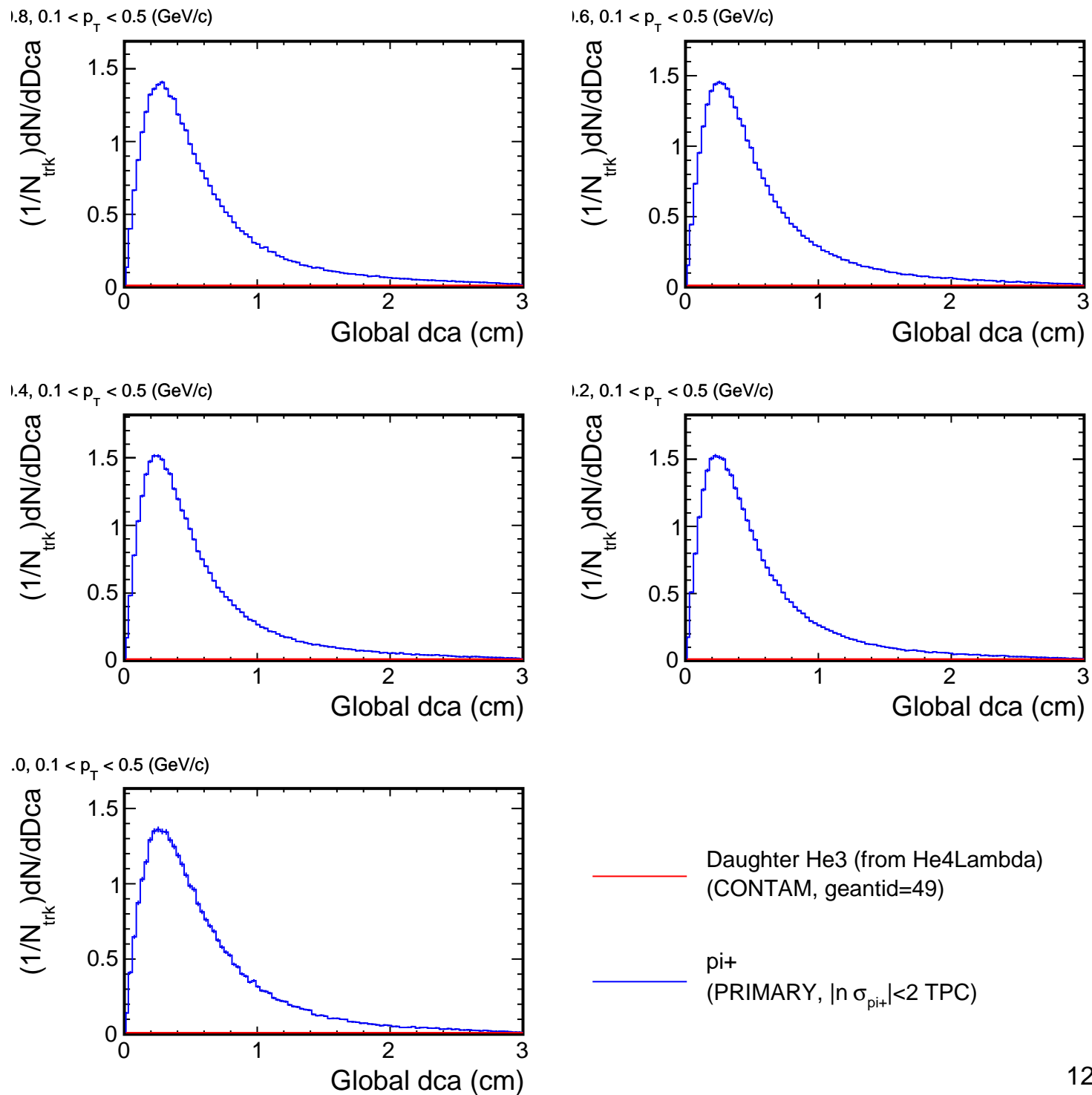
0, $4.5 < p_T < 5.0$ (GeV/c)



— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

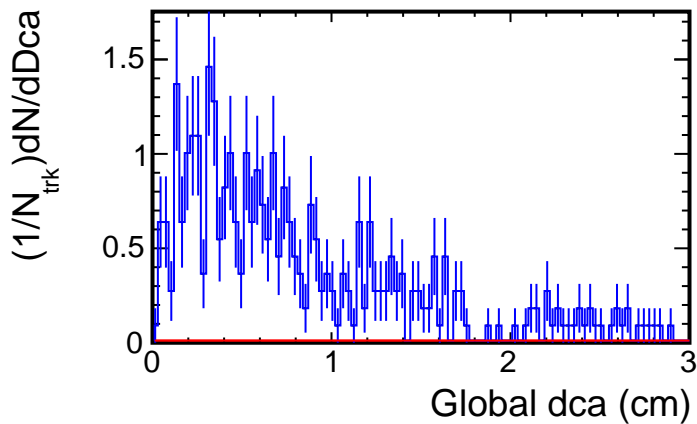
— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

Dca distribution for (p_T , η) slices

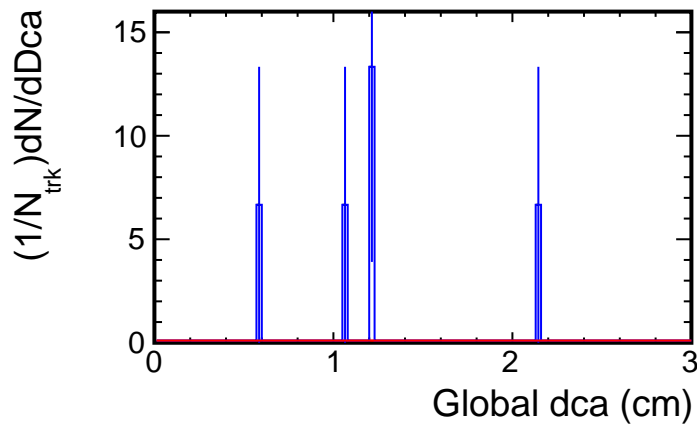


Dca distribution for (p_T , η) slices

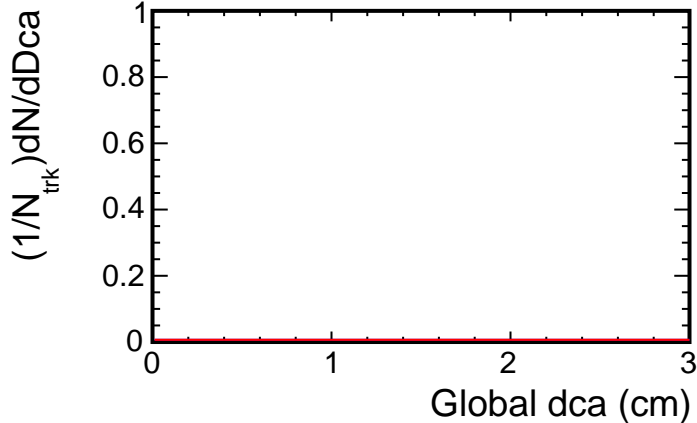
2, $0.1 < p_T < 0.5$ (GeV/c)



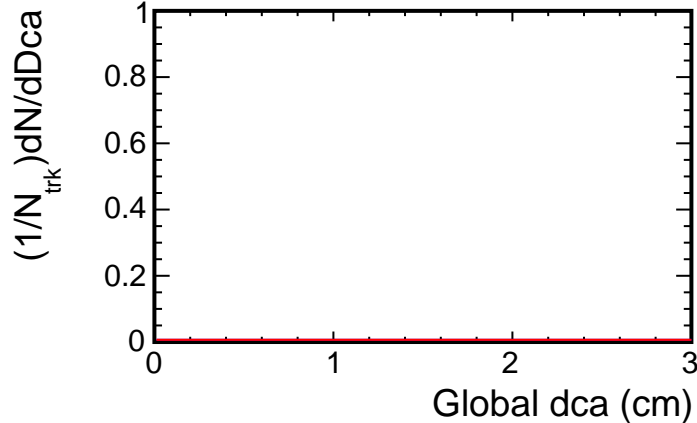
4, $0.1 < p_T < 0.5$ (GeV/c)



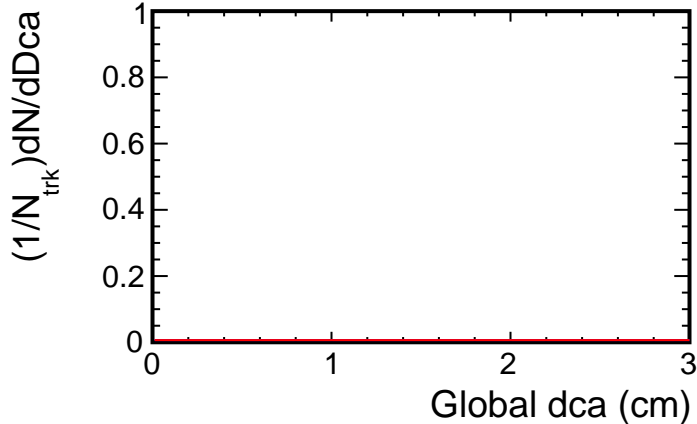
6, $0.1 < p_T < 0.5$ (GeV/c)



8, $0.1 < p_T < 0.5$ (GeV/c)



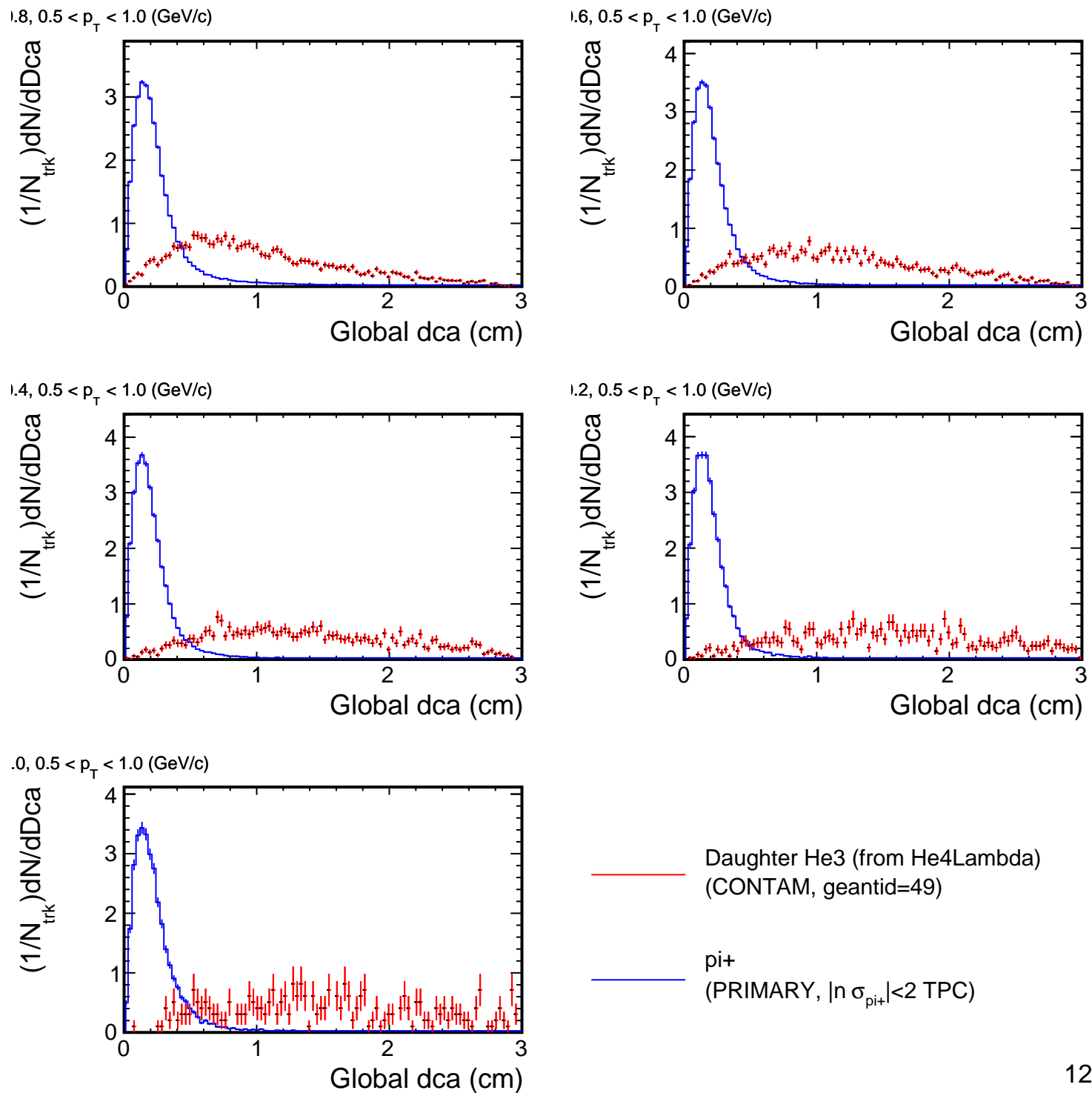
0, $0.1 < p_T < 0.5$ (GeV/c)



— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

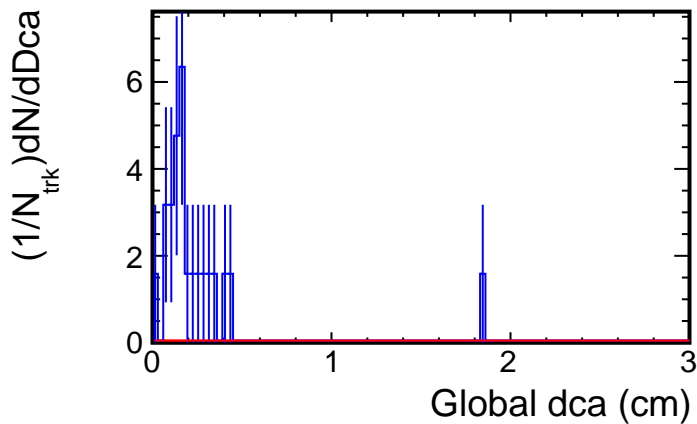
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices

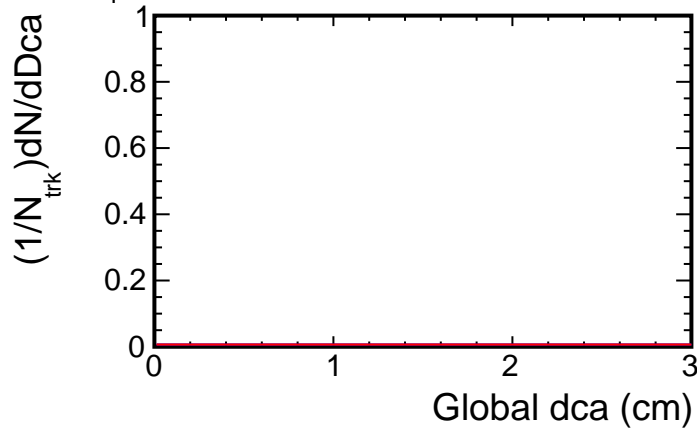


Dca distribution for (p_T , η) slices

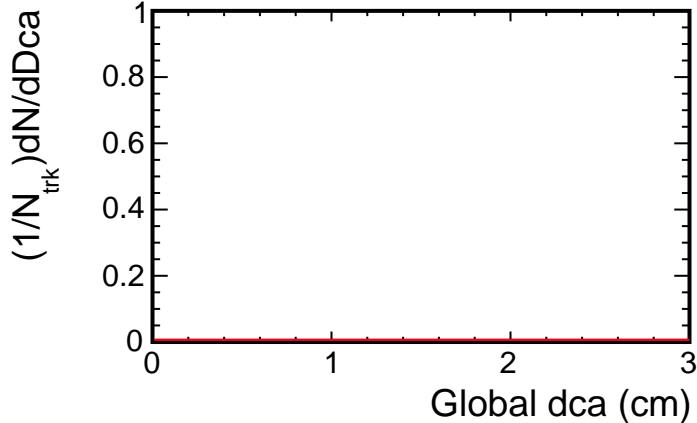
2, $0.5 < p_T < 1.0$ (GeV/c)



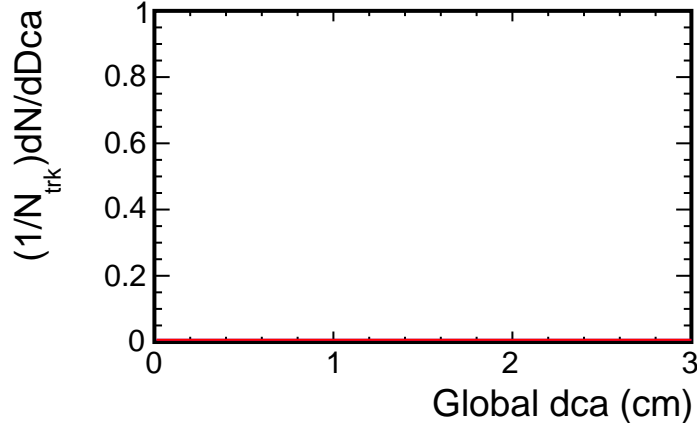
4, $0.5 < p_T < 1.0$ (GeV/c)



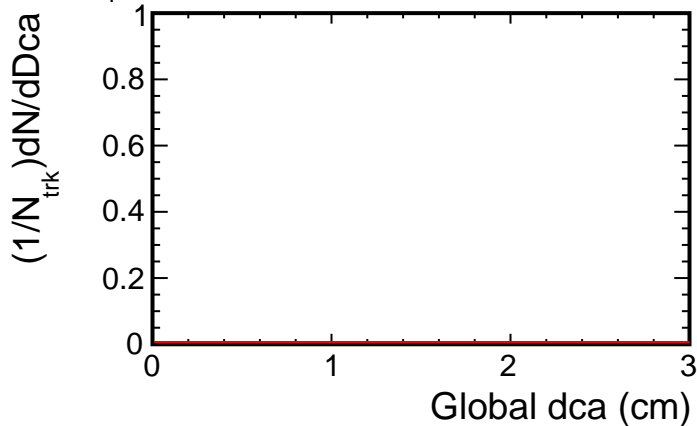
6, $0.5 < p_T < 1.0$ (GeV/c)



8, $0.5 < p_T < 1.0$ (GeV/c)



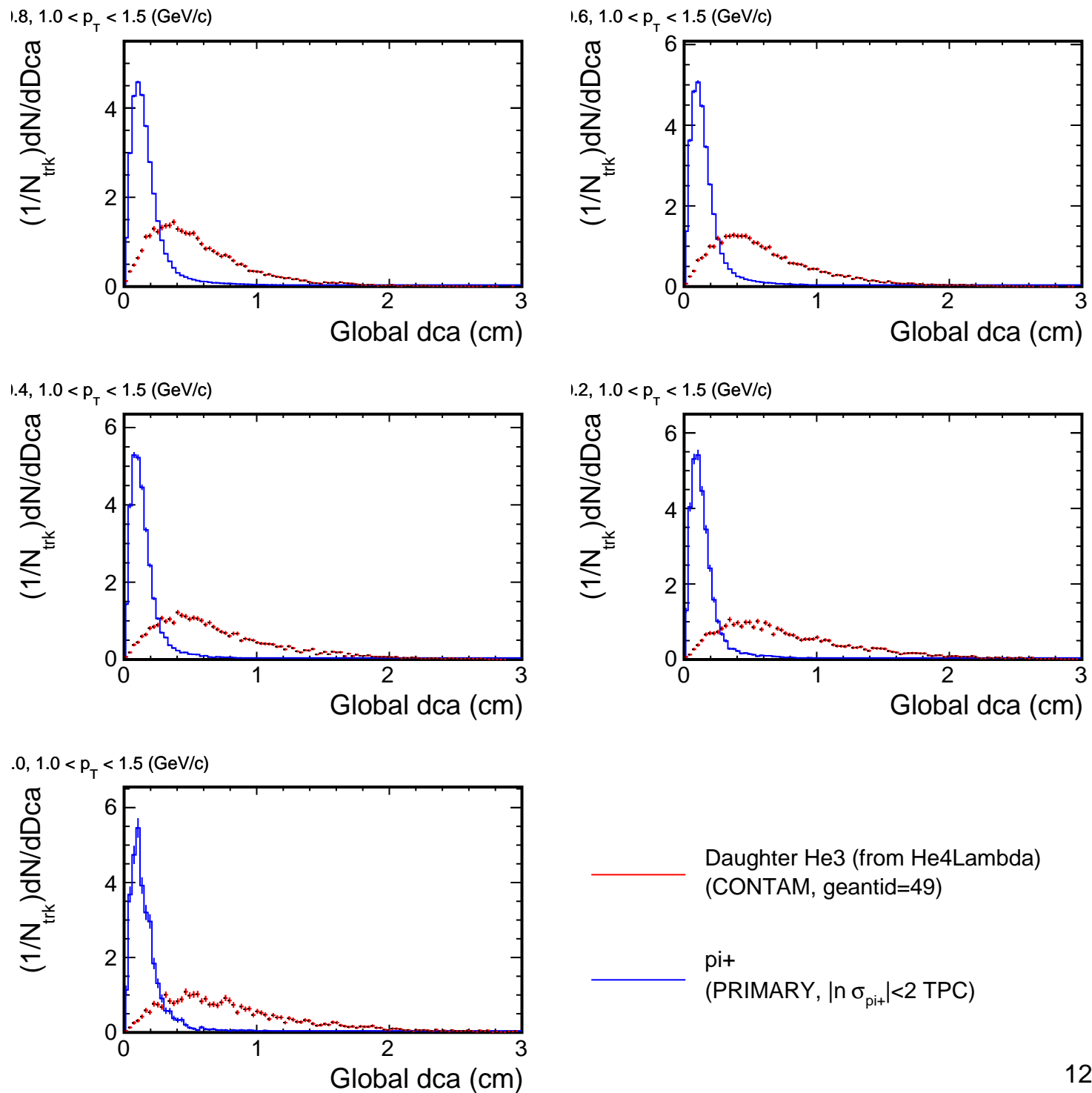
0, $0.5 < p_T < 1.0$ (GeV/c)



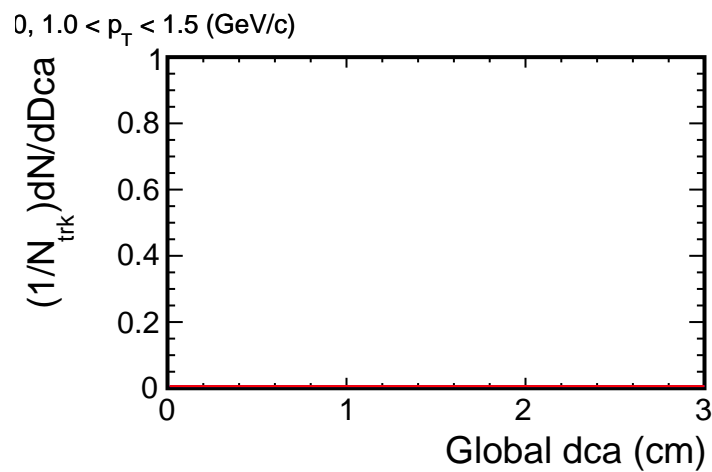
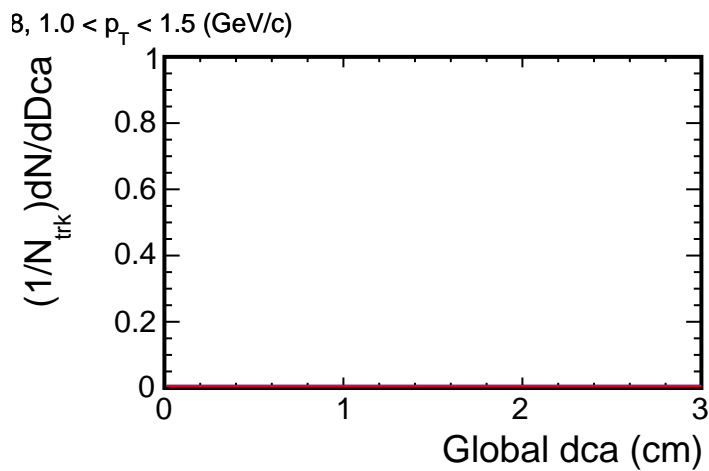
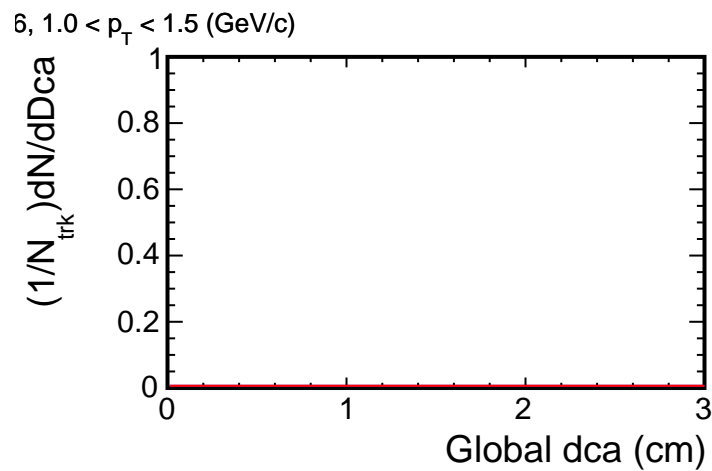
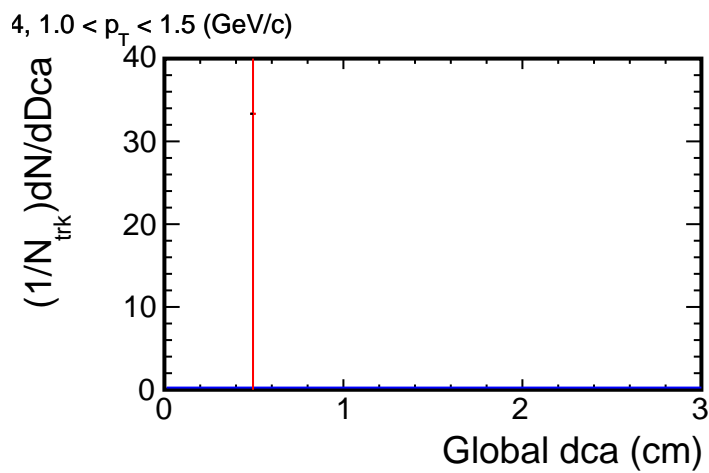
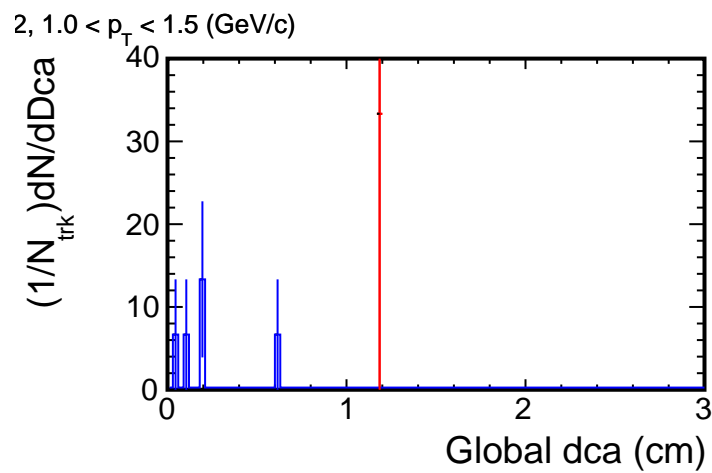
— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices



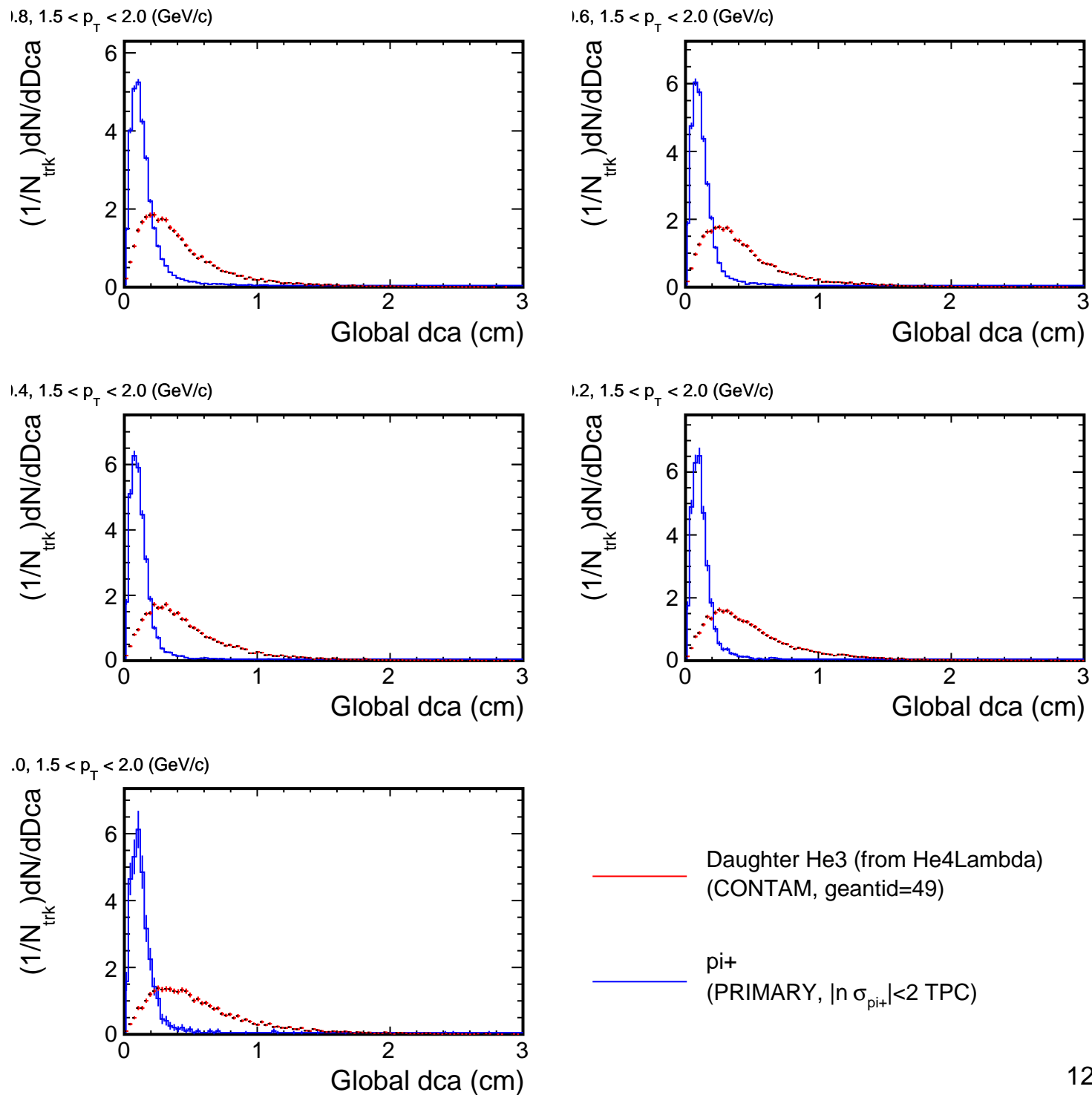
Dca distribution for (p_T , η) slices



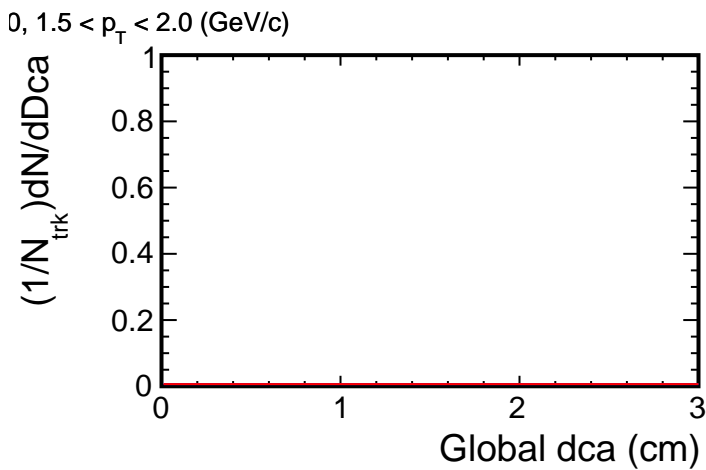
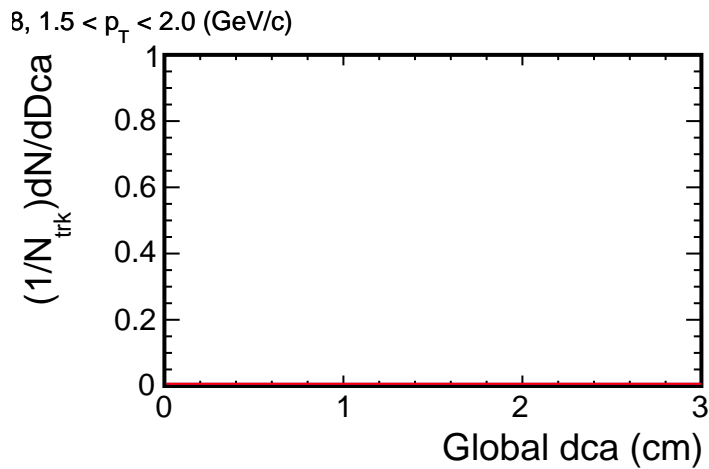
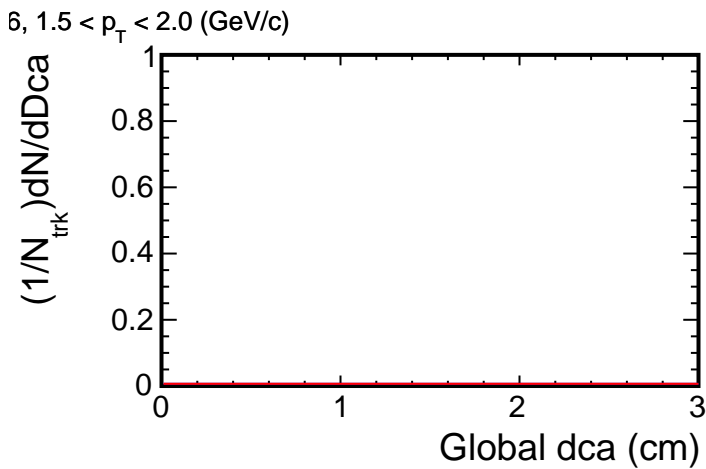
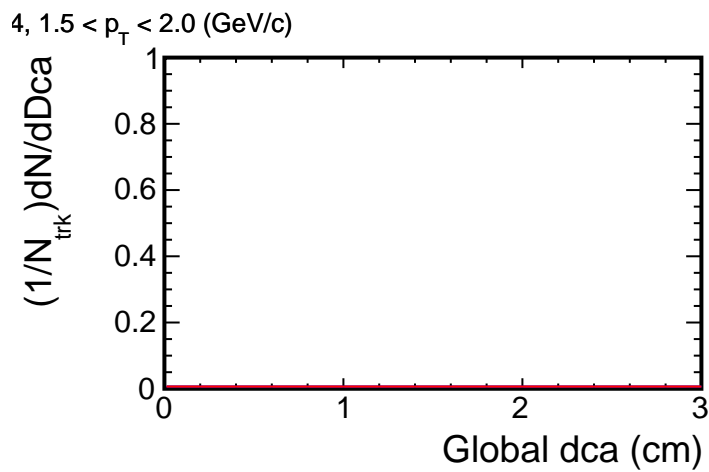
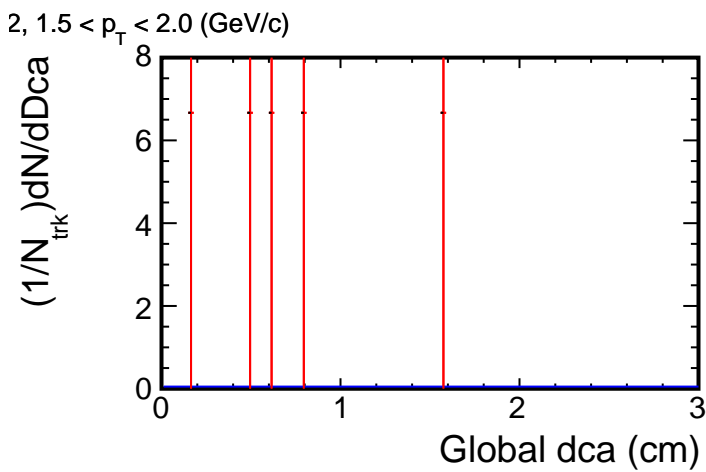
— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices



Dca distribution for (p_T , η) slices

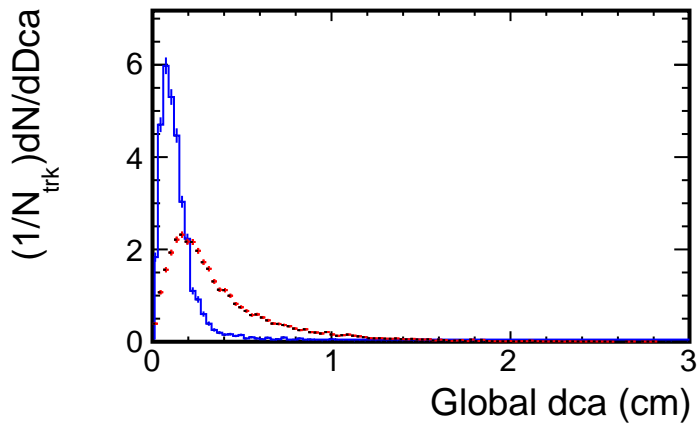


— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

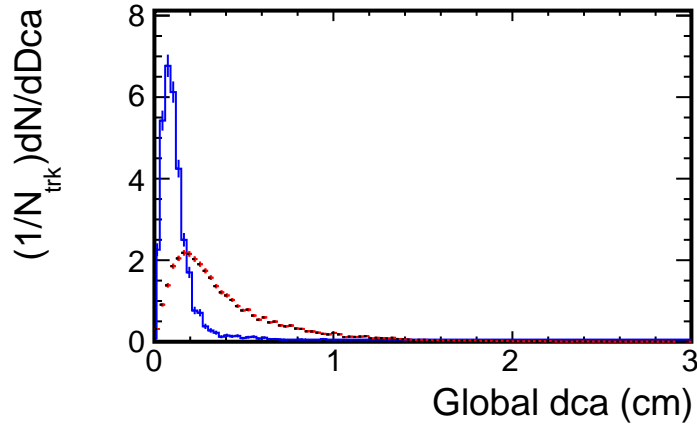
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices

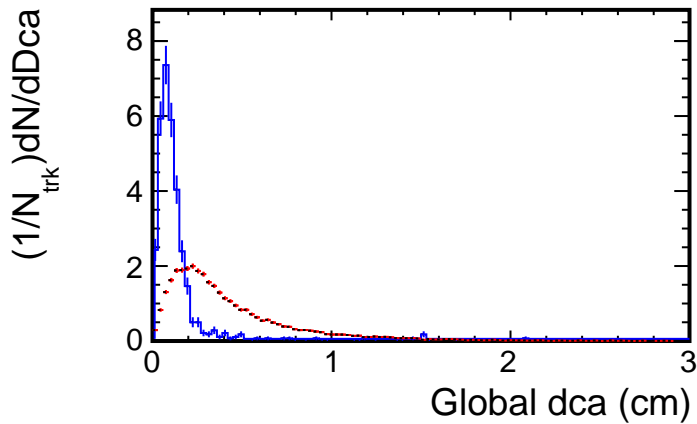
1.8, $2.0 < p_T < 2.5$ (GeV/c)



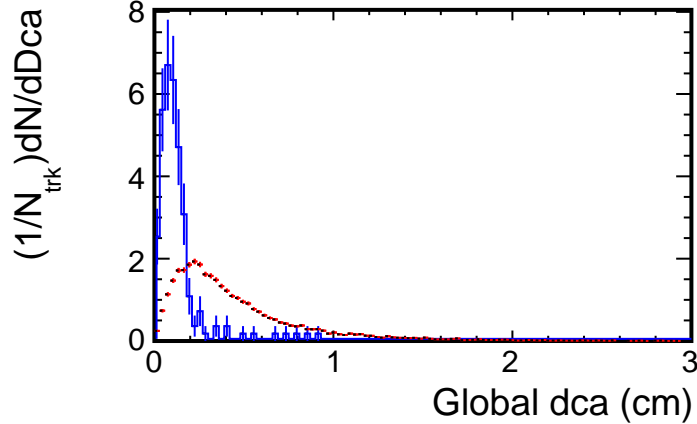
1.6, $2.0 < p_T < 2.5$ (GeV/c)



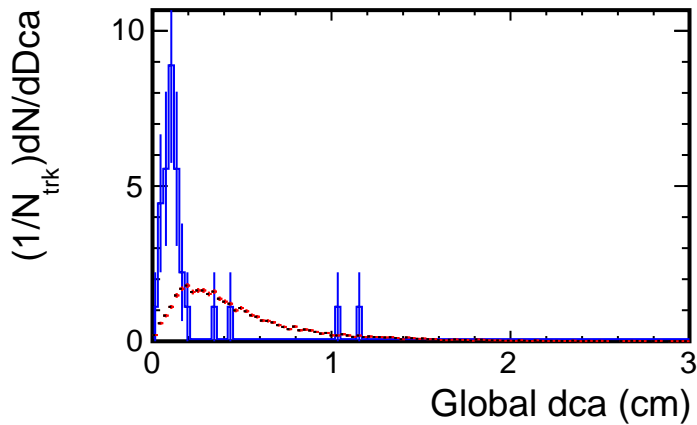
1.4, $2.0 < p_T < 2.5$ (GeV/c)



1.2, $2.0 < p_T < 2.5$ (GeV/c)



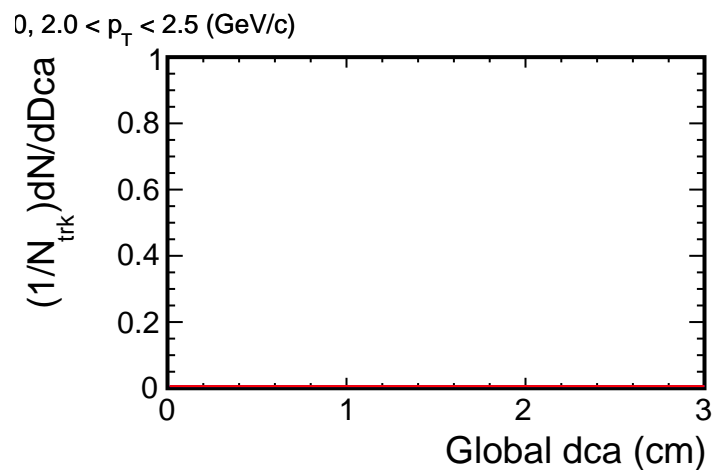
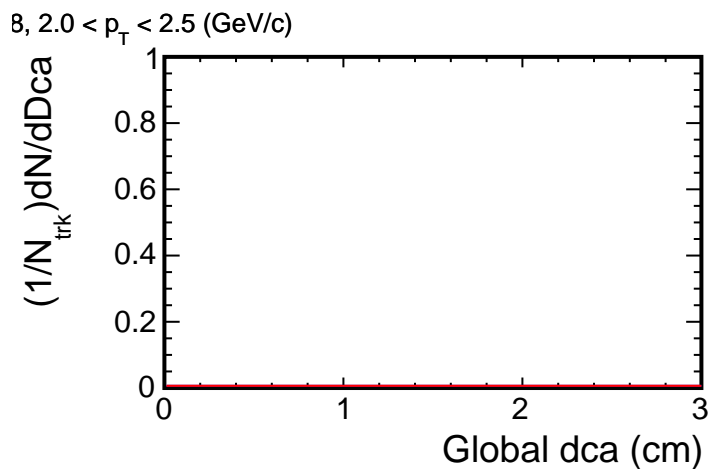
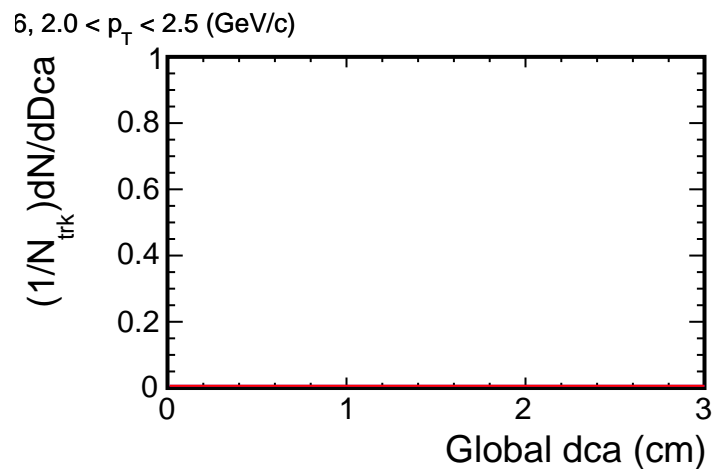
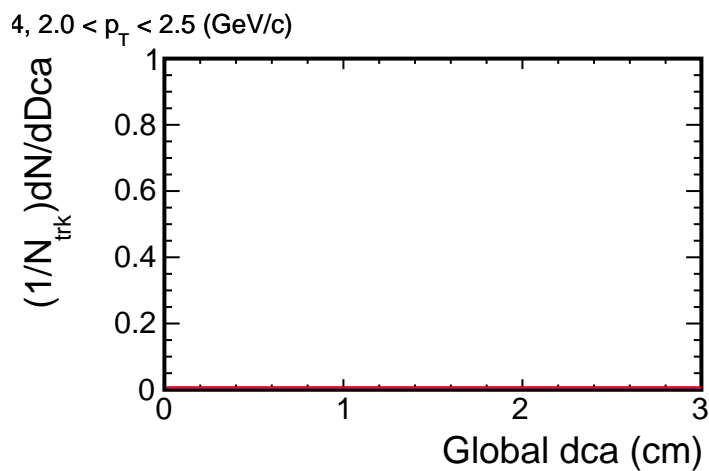
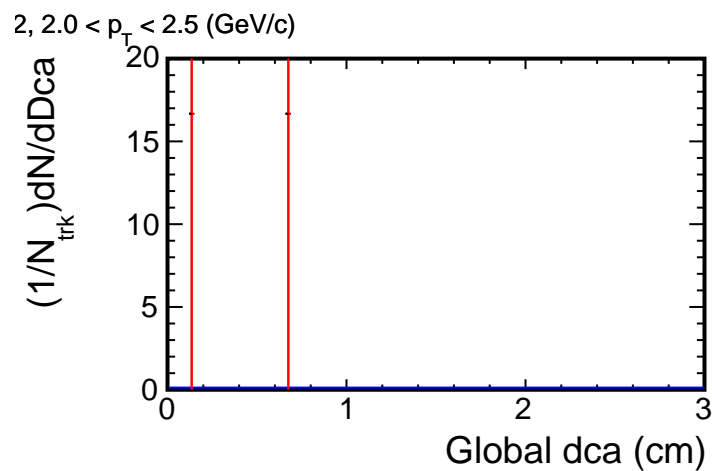
1.0, $2.0 < p_T < 2.5$ (GeV/c)



— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices

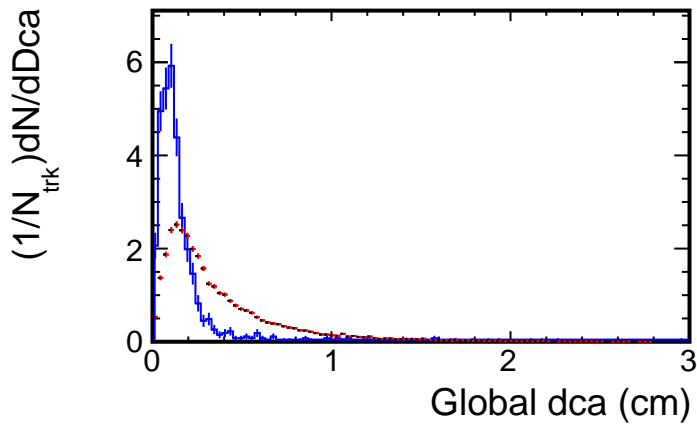


— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

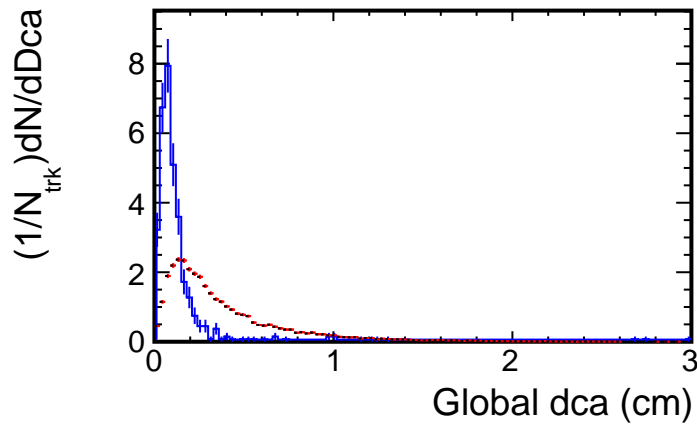
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices

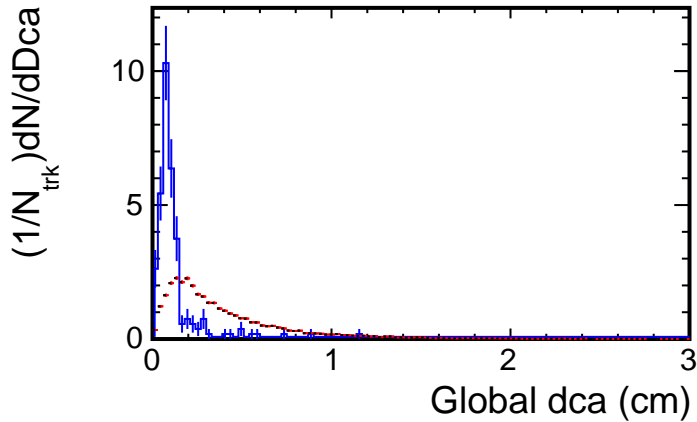
1.8, $2.5 < p_T < 3.0$ (GeV/c)



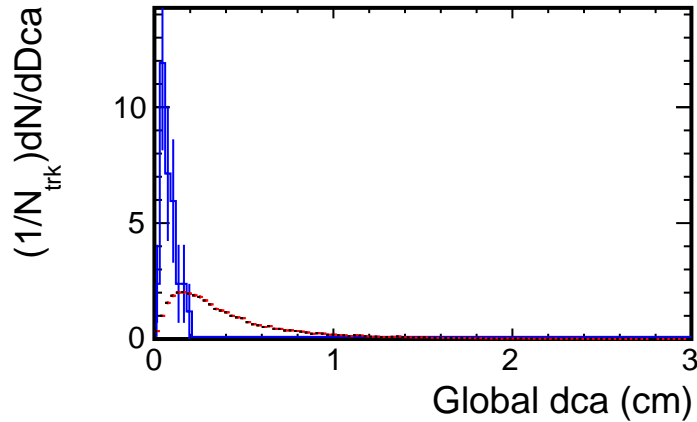
1.6, $2.5 < p_T < 3.0$ (GeV/c)



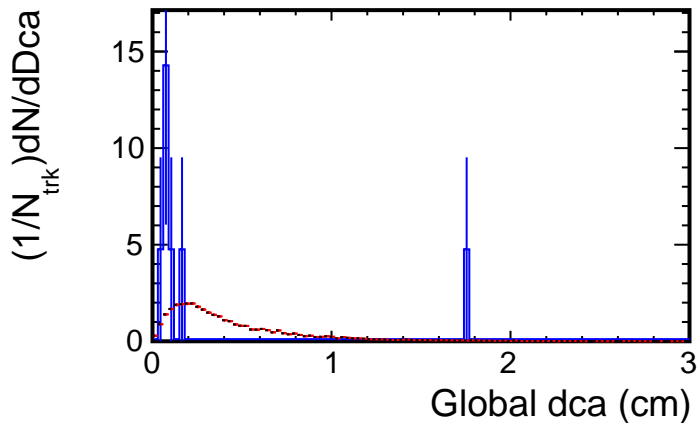
1.4, $2.5 < p_T < 3.0$ (GeV/c)



1.2, $2.5 < p_T < 3.0$ (GeV/c)



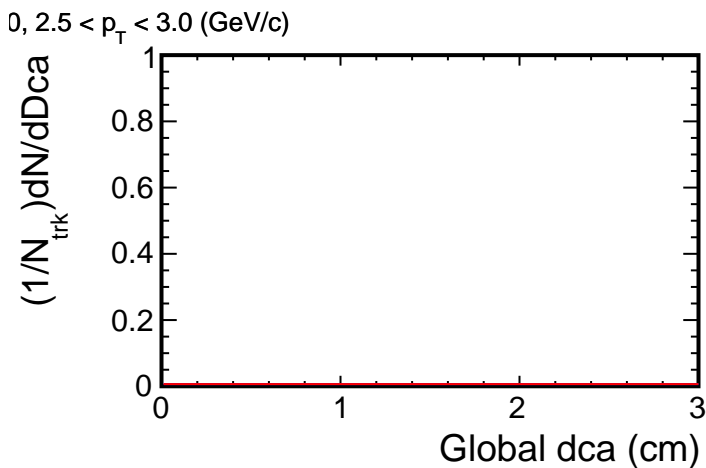
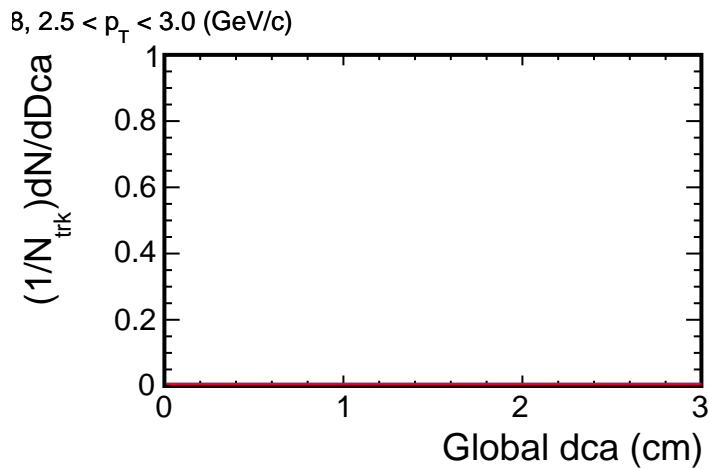
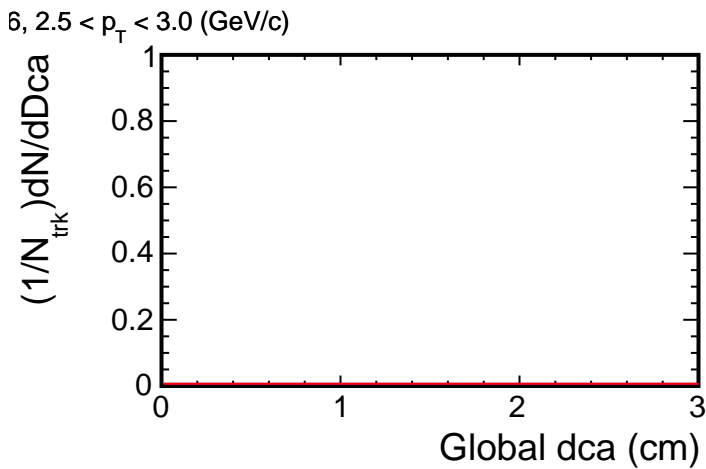
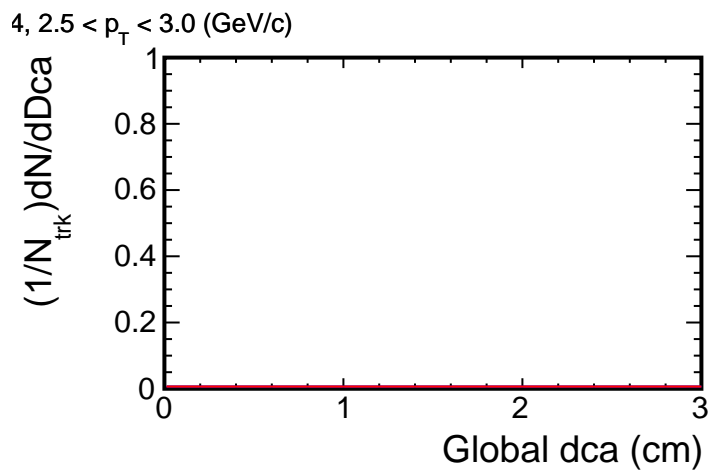
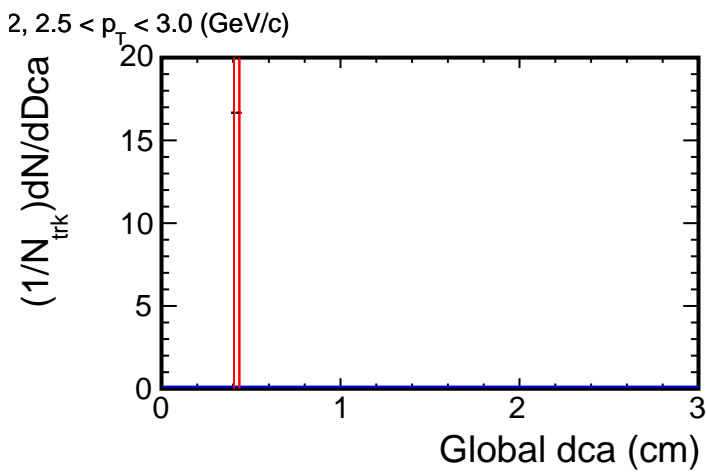
1.0, $2.5 < p_T < 3.0$ (GeV/c)



— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices

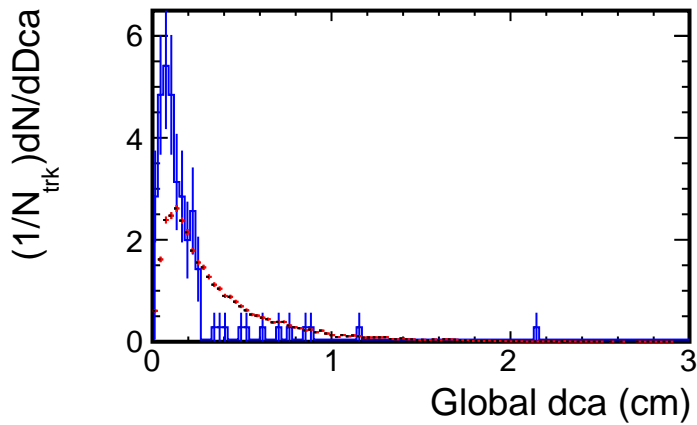


— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

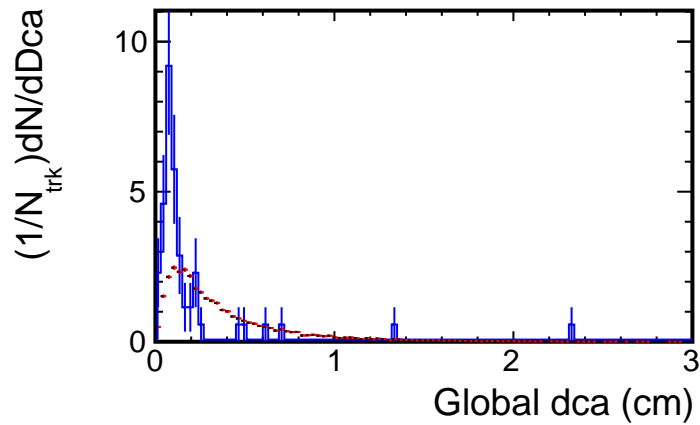
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices

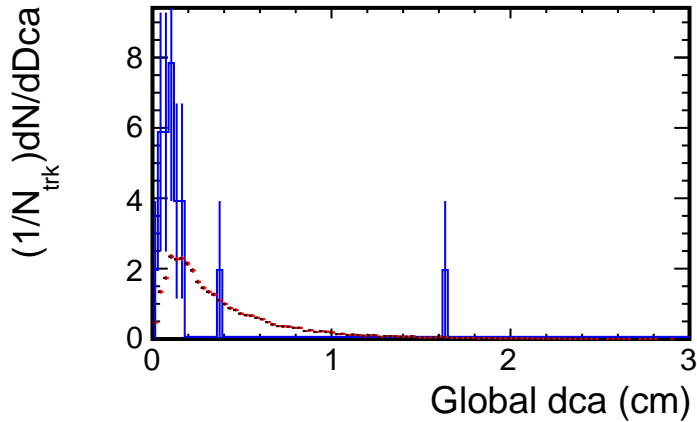
1.8, $3.0 < p_T < 3.5$ (GeV/c)



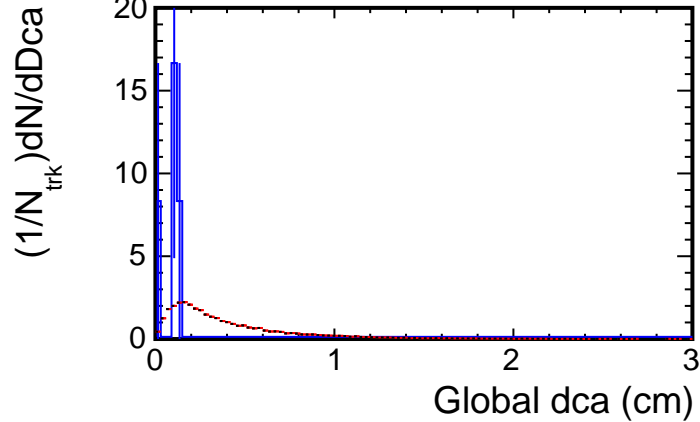
1.6, $3.0 < p_T < 3.5$ (GeV/c)



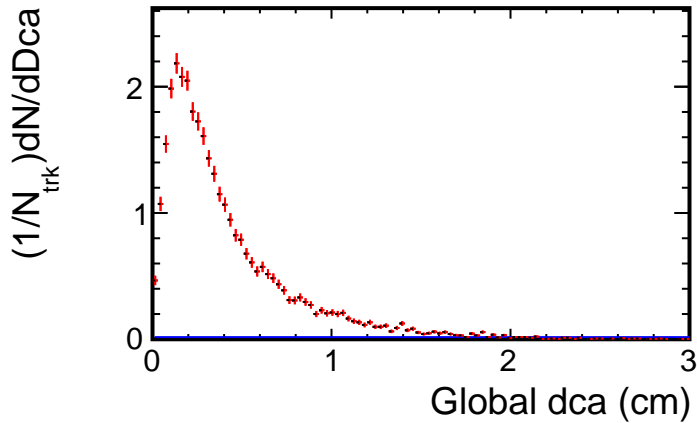
1.4, $3.0 < p_T < 3.5$ (GeV/c)



1.2, $3.0 < p_T < 3.5$ (GeV/c)



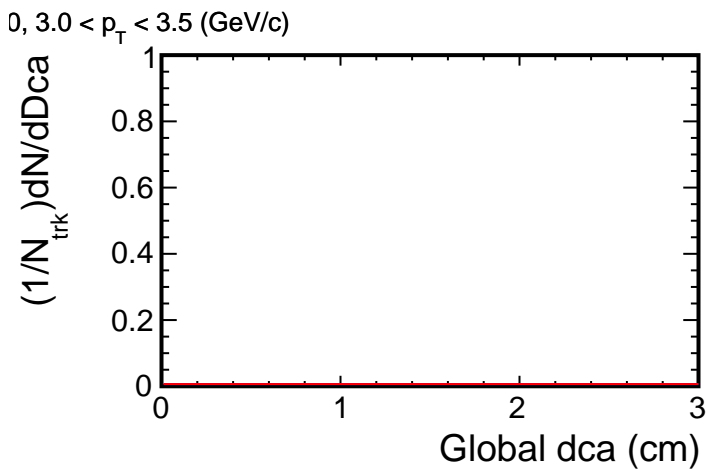
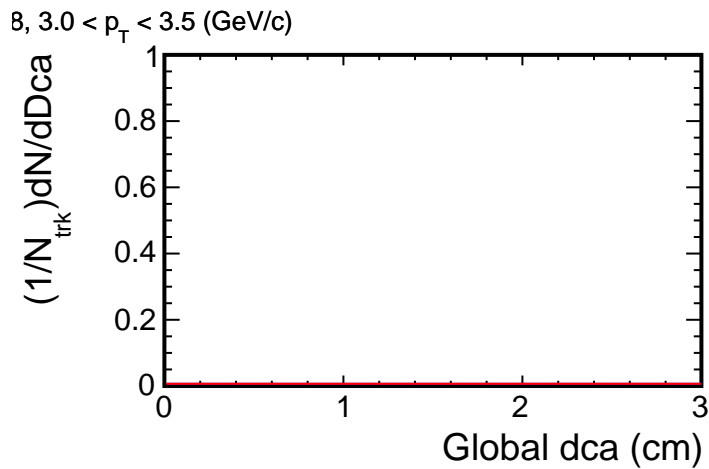
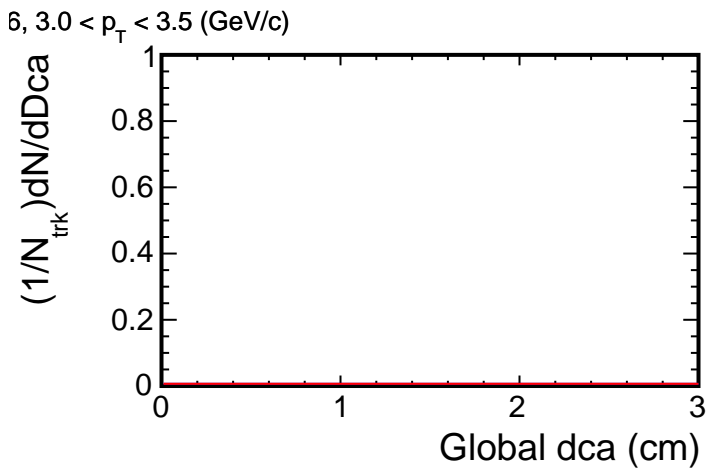
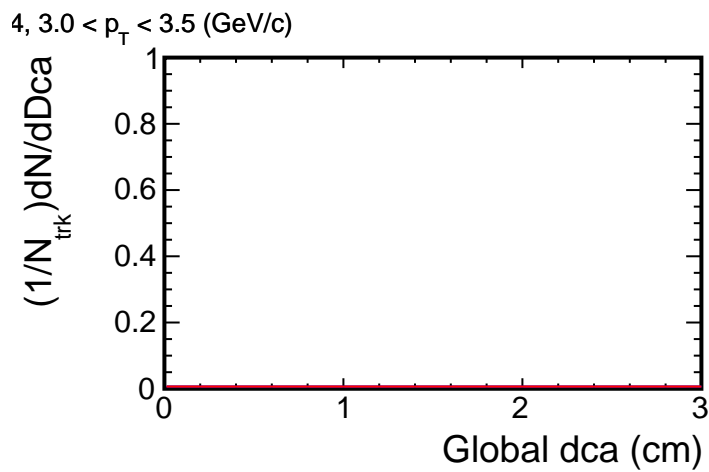
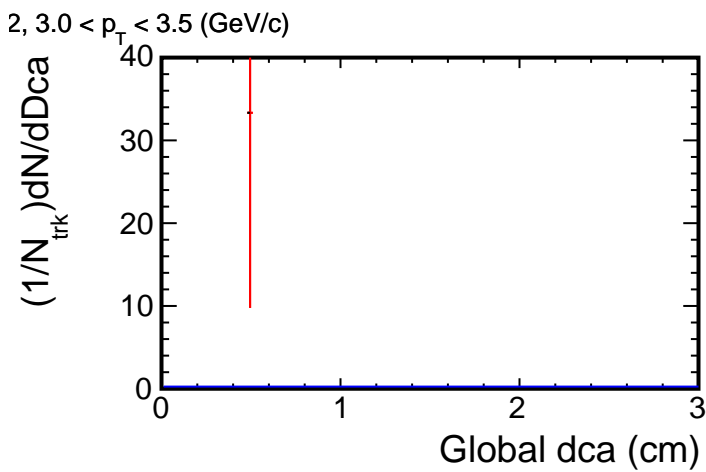
1.0, $3.0 < p_T < 3.5$ (GeV/c)



— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

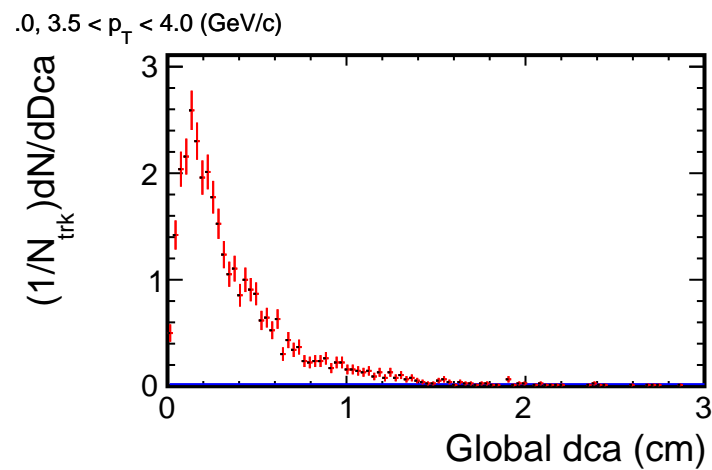
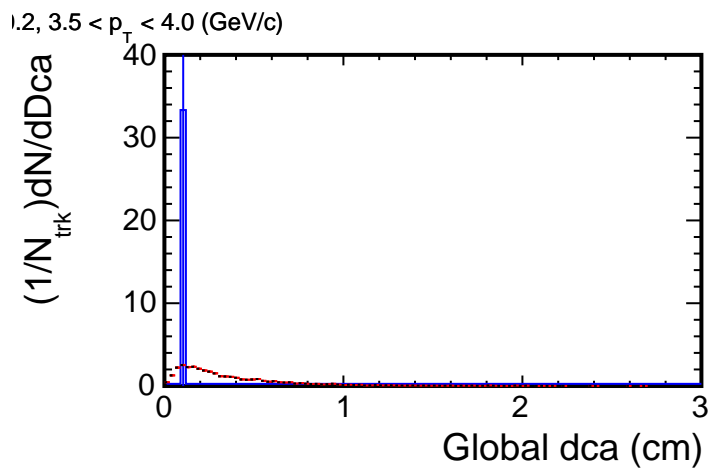
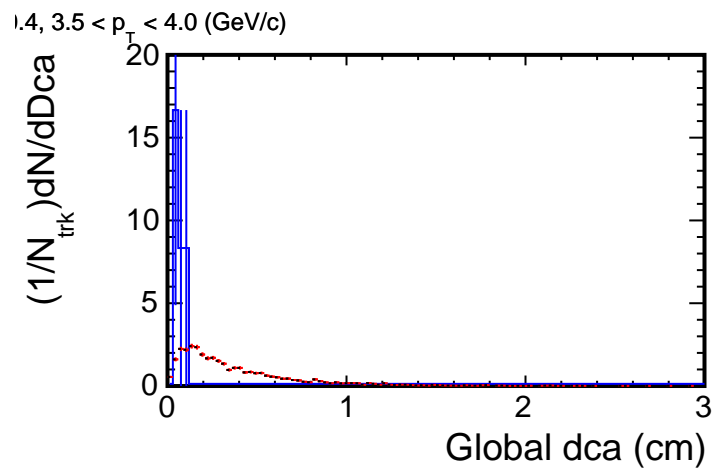
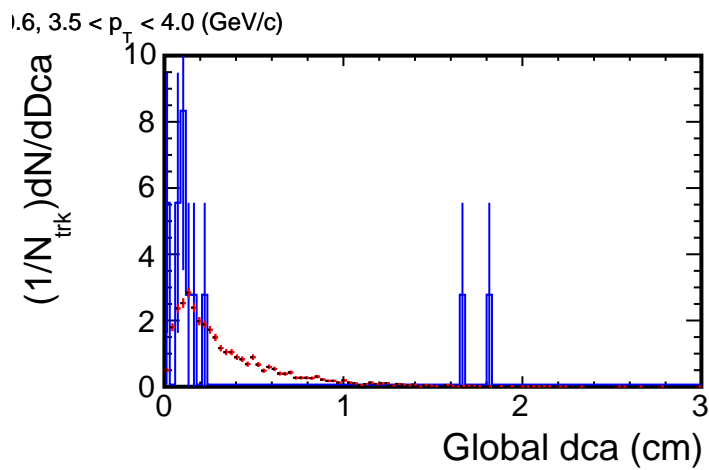
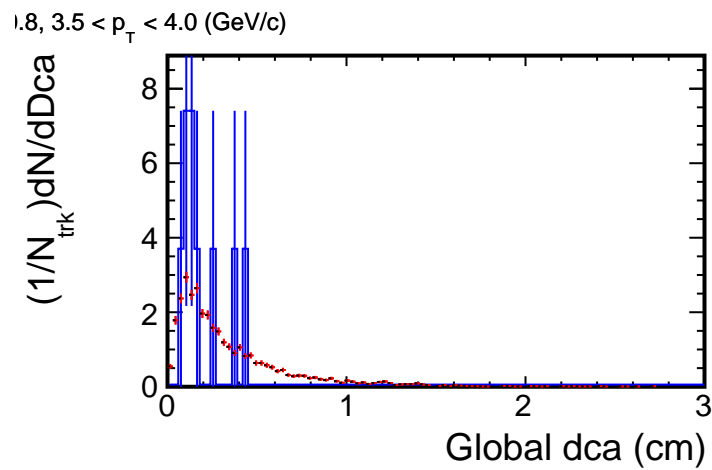
Dca distribution for (p_T , η) slices



— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices

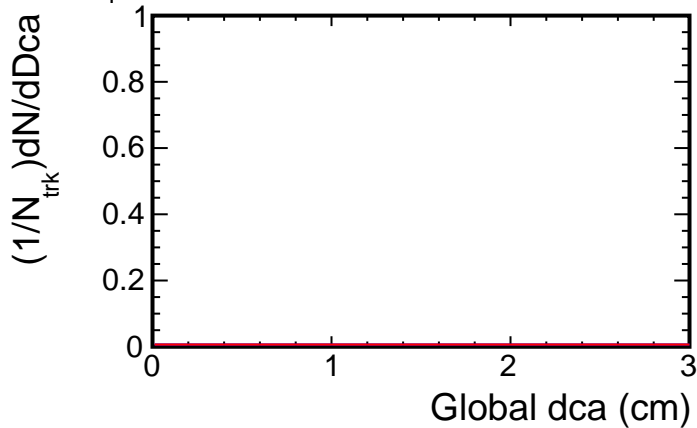


— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

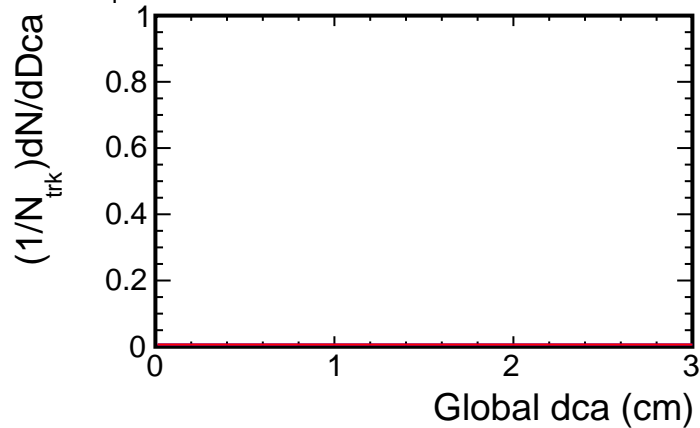
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices

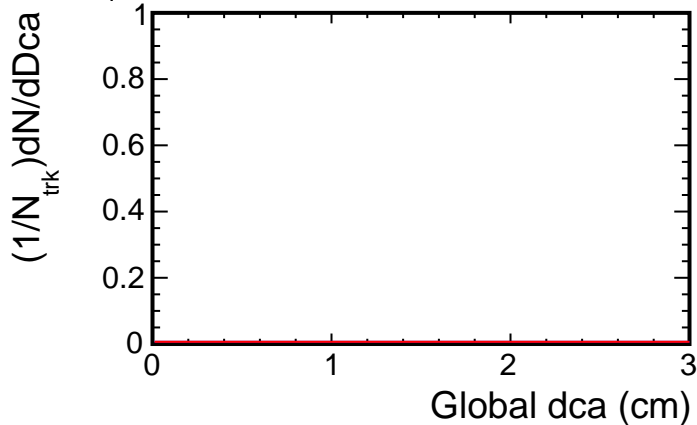
2, $3.5 < p_T < 4.0$ (GeV/c)



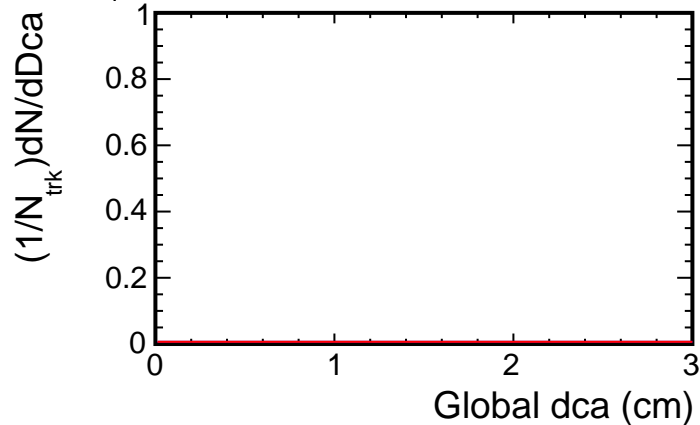
4, $3.5 < p_T < 4.0$ (GeV/c)



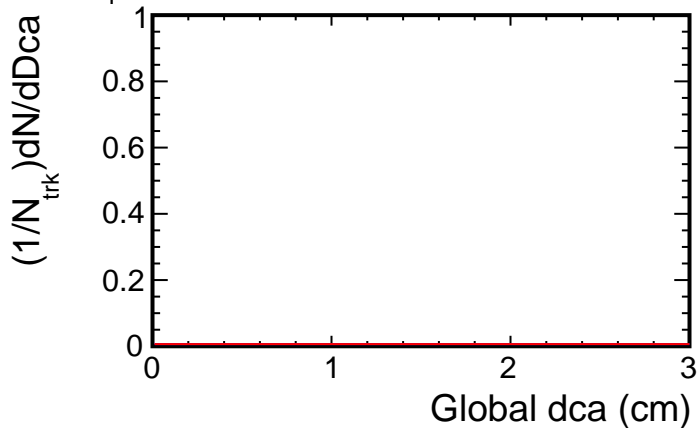
6, $3.5 < p_T < 4.0$ (GeV/c)



8, $3.5 < p_T < 4.0$ (GeV/c)



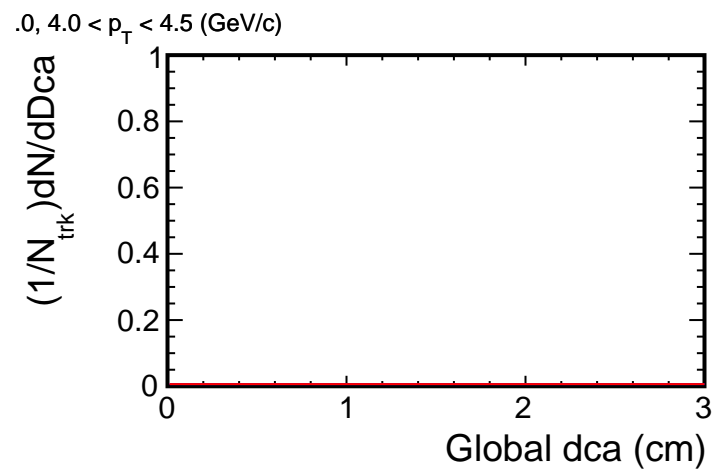
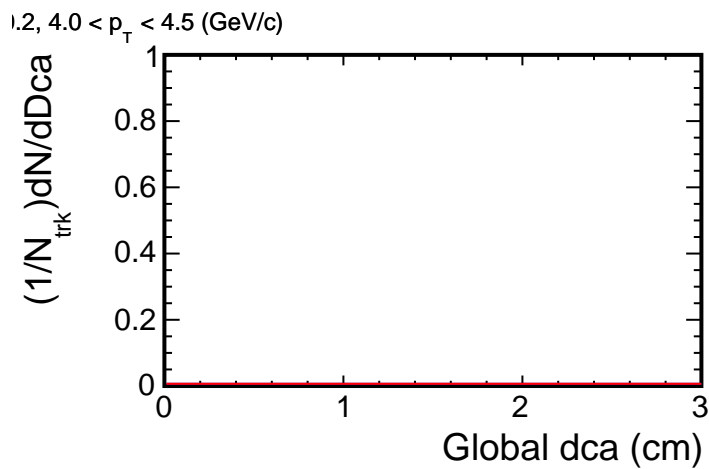
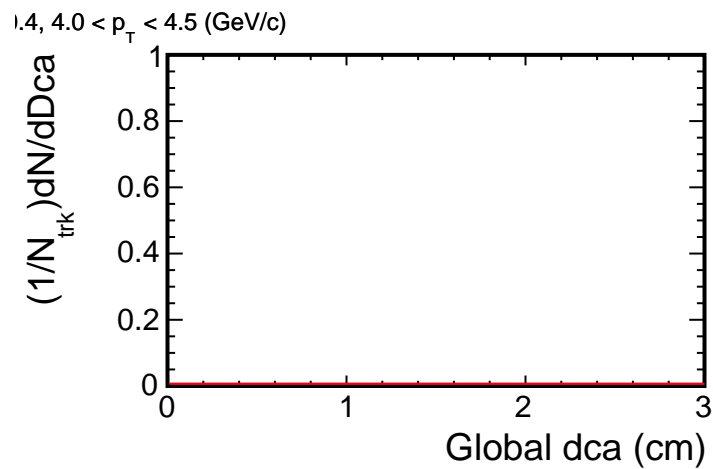
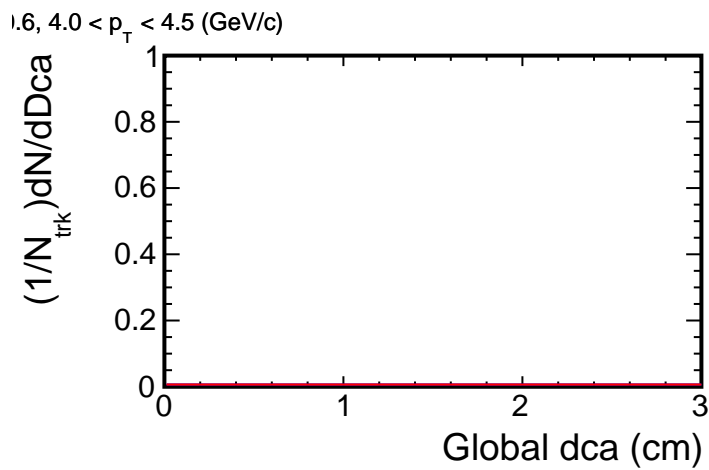
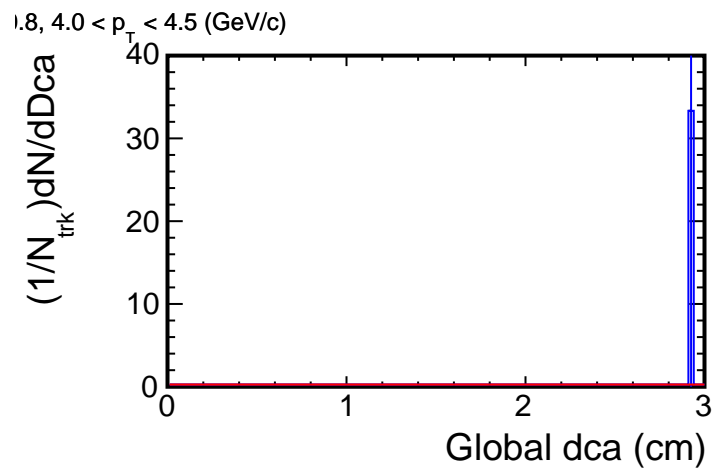
0, $3.5 < p_T < 4.0$ (GeV/c)



— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices

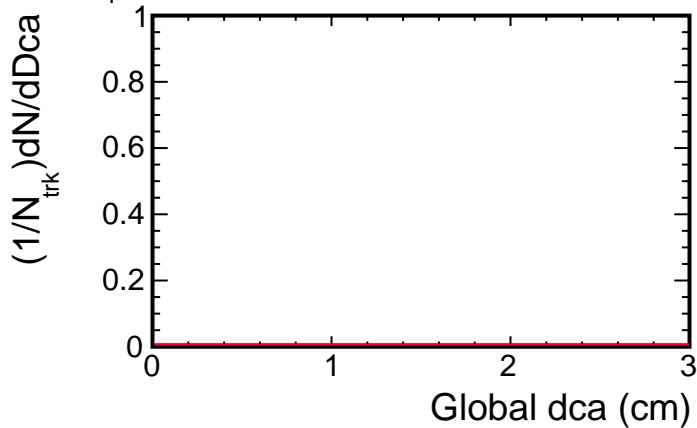


— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

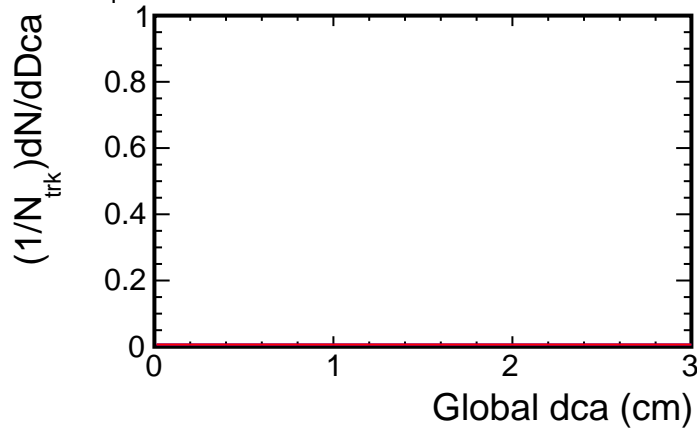
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices

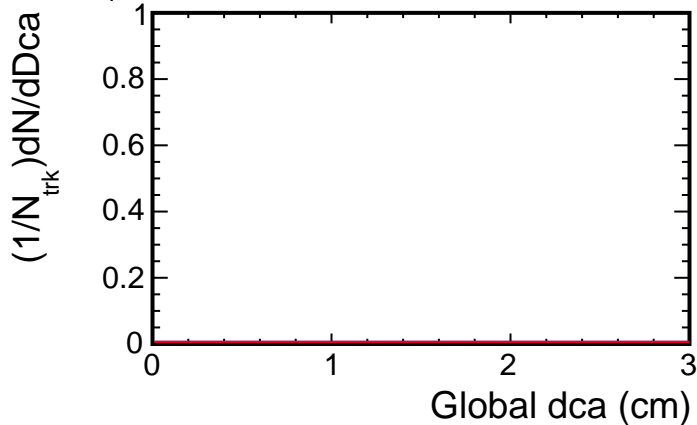
2, $4.0 < p_T < 4.5$ (GeV/c)



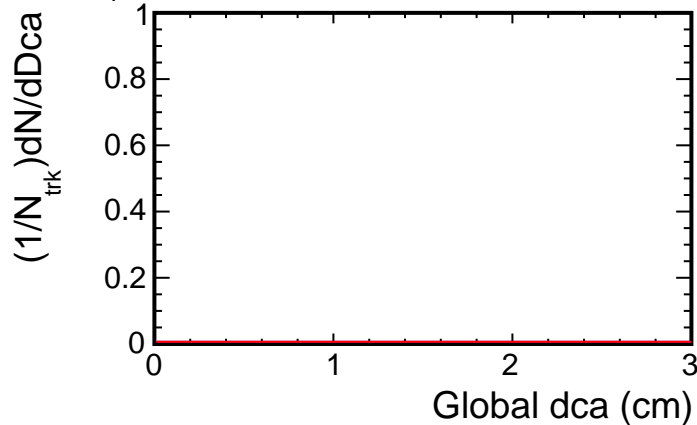
4, $4.0 < p_T < 4.5$ (GeV/c)



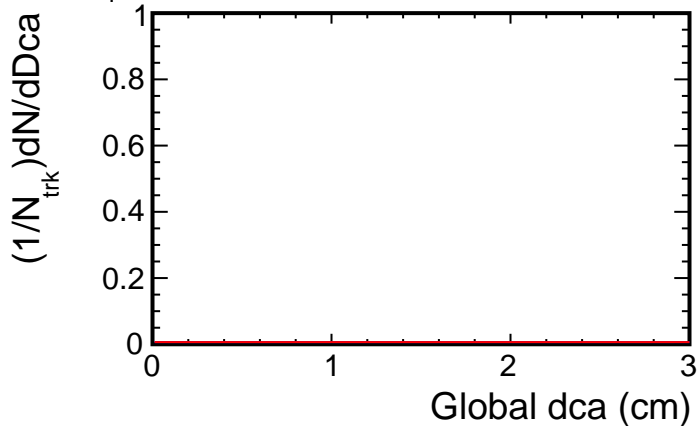
6, $4.0 < p_T < 4.5$ (GeV/c)



8, $4.0 < p_T < 4.5$ (GeV/c)



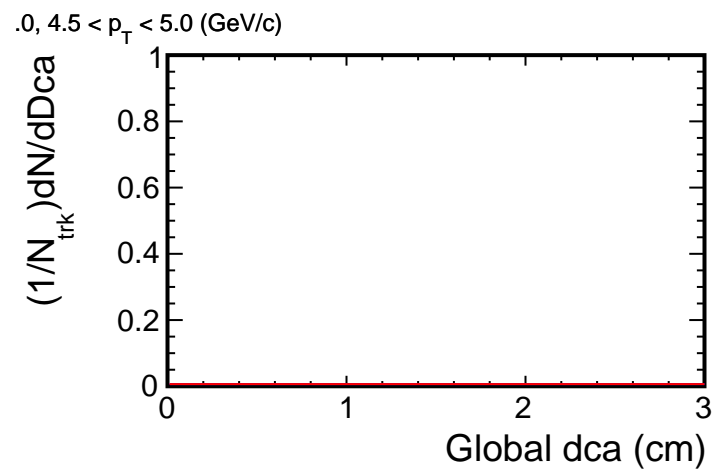
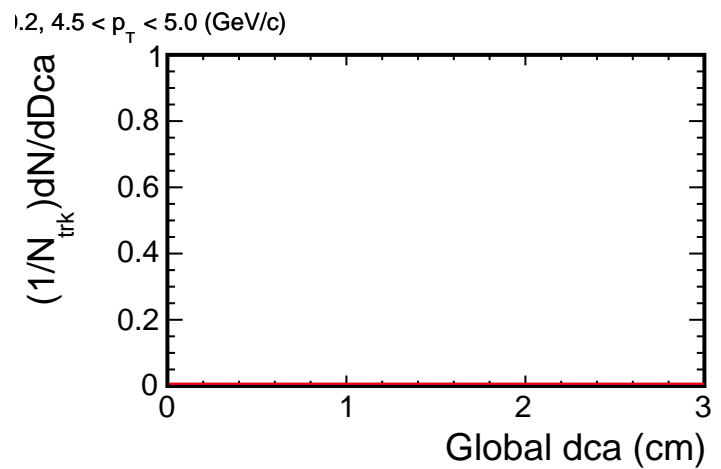
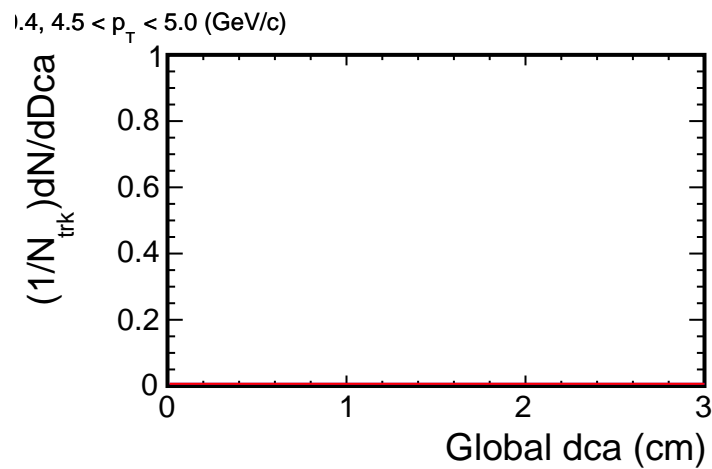
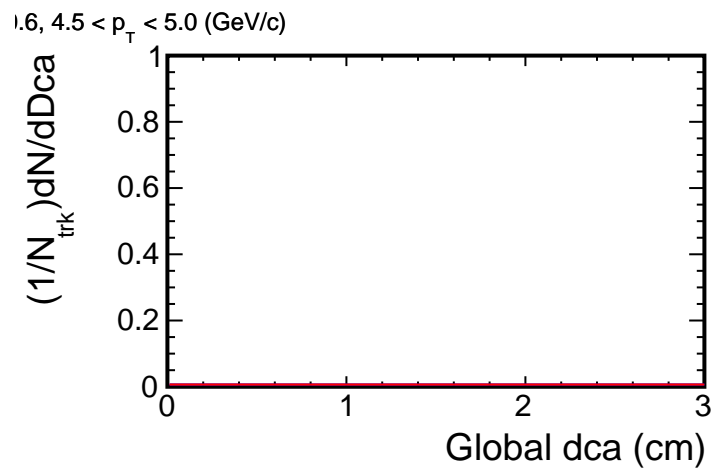
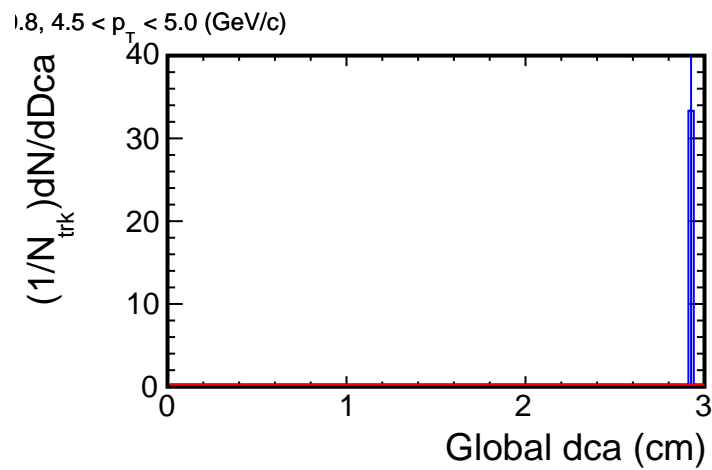
0, $4.0 < p_T < 4.5$ (GeV/c)



— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices

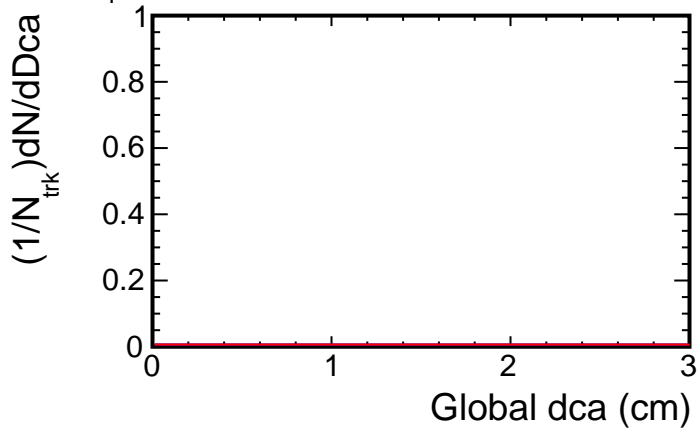


— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

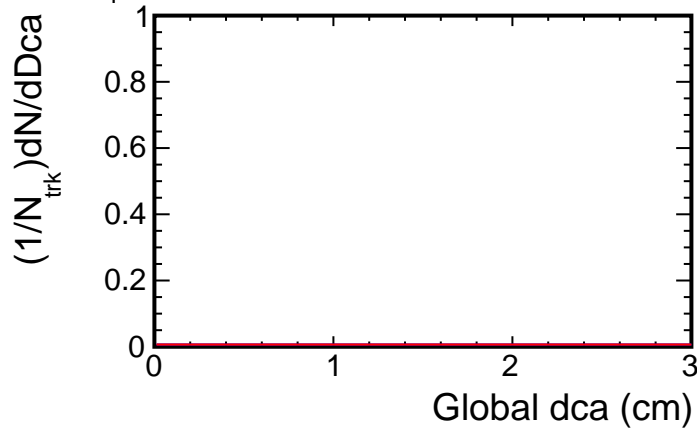
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices

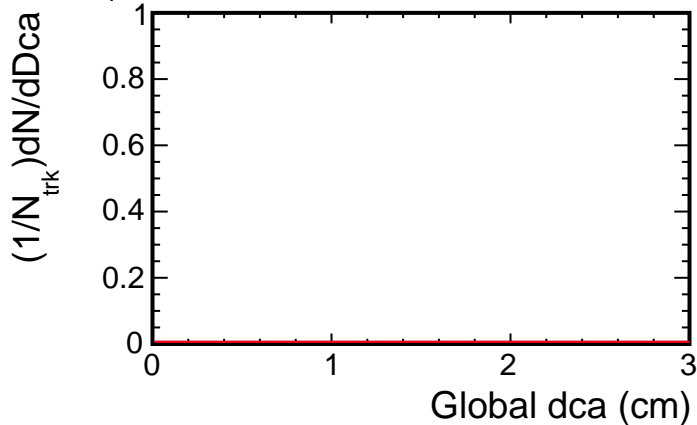
2, $4.5 < p_T < 5.0$ (GeV/c)



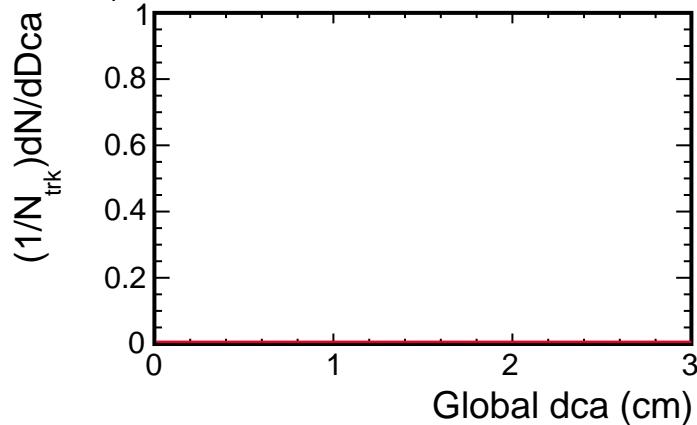
4, $4.5 < p_T < 5.0$ (GeV/c)



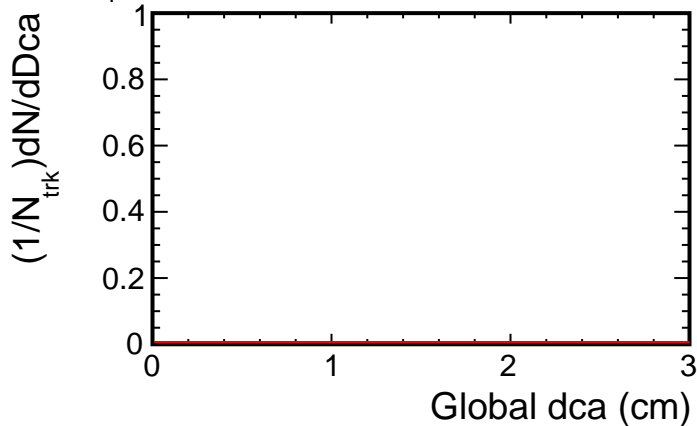
6, $4.5 < p_T < 5.0$ (GeV/c)



8, $4.5 < p_T < 5.0$ (GeV/c)



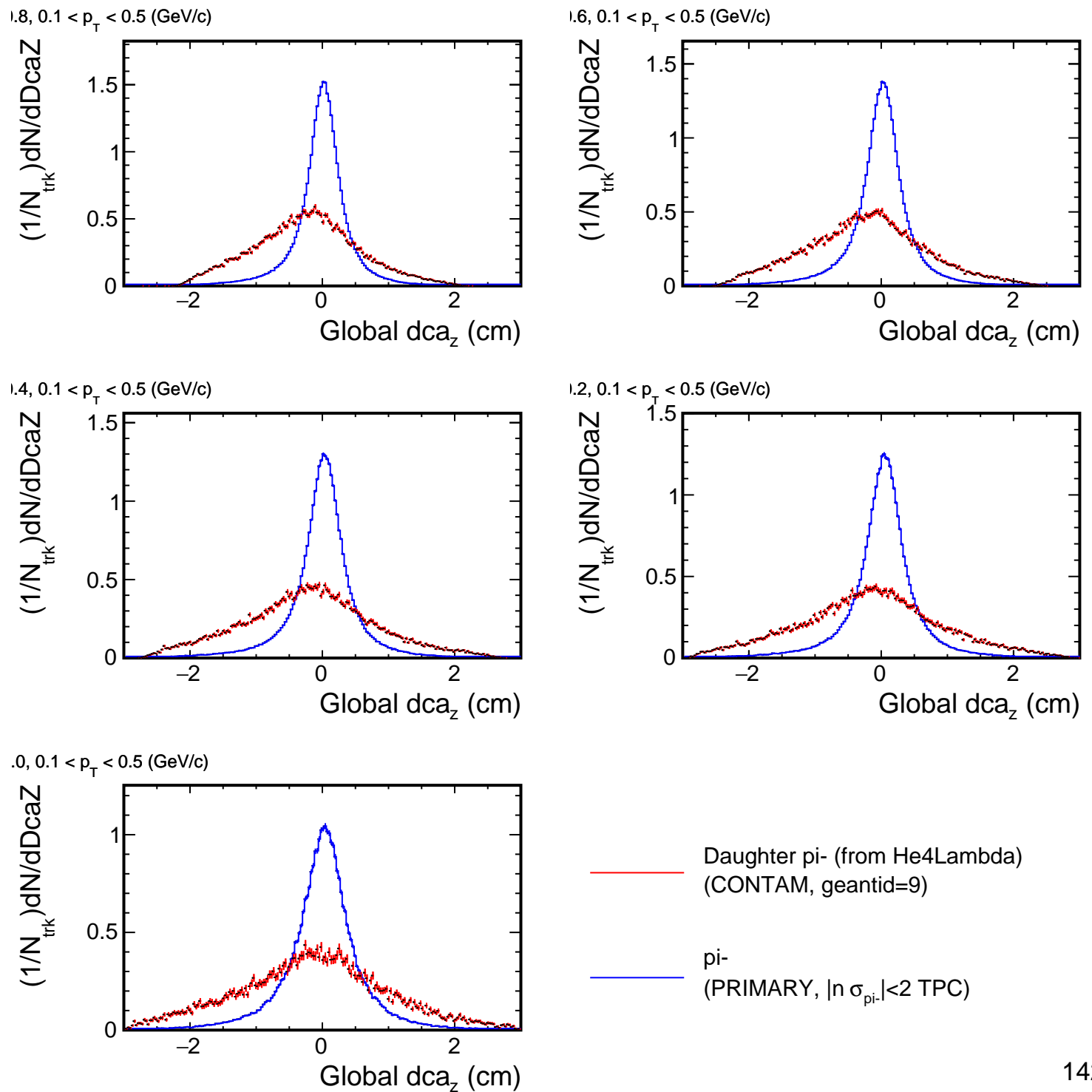
0, $4.5 < p_T < 5.0$ (GeV/c)



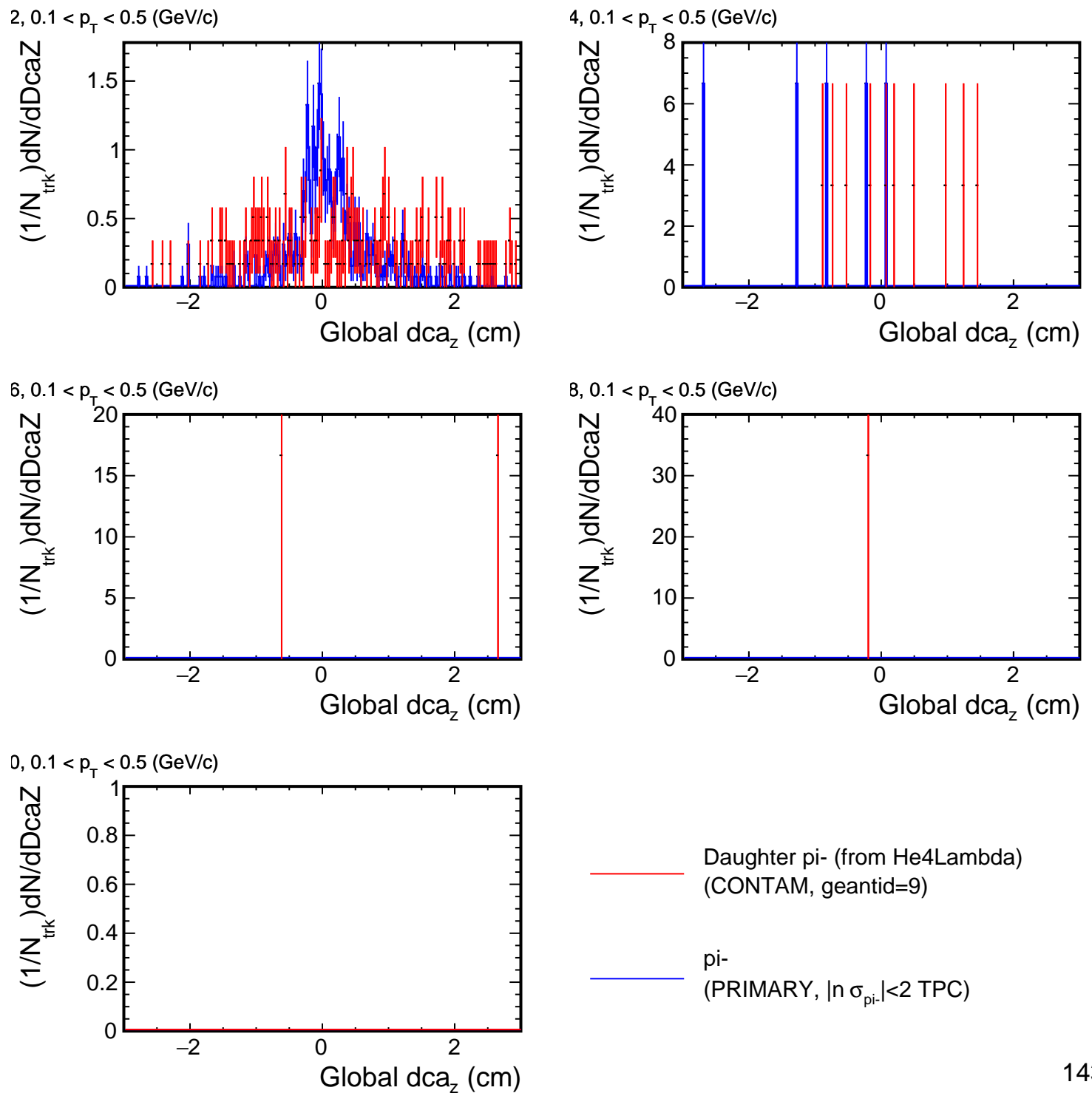
— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

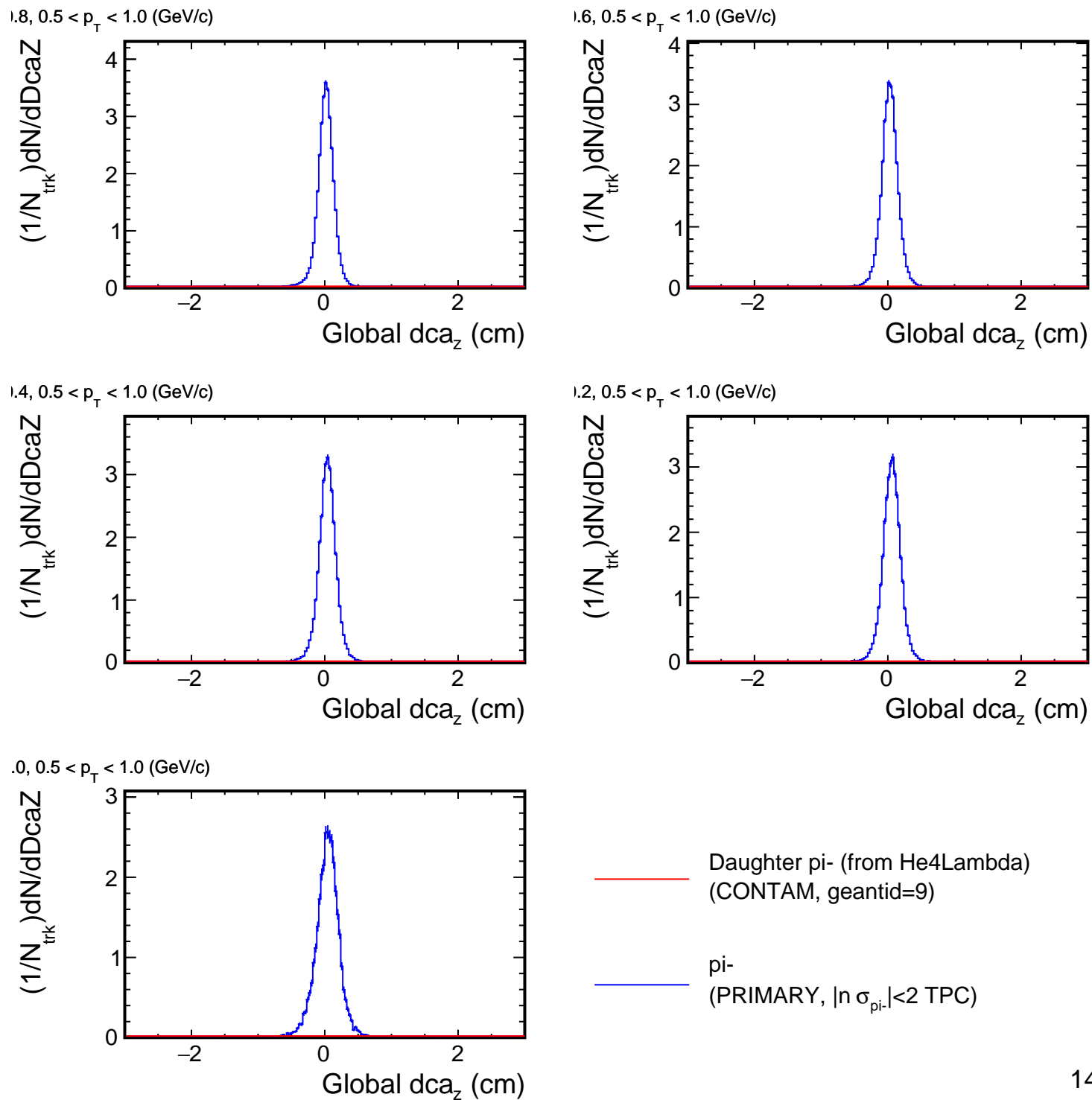
DcaZ distribution for (p_T , η) slices



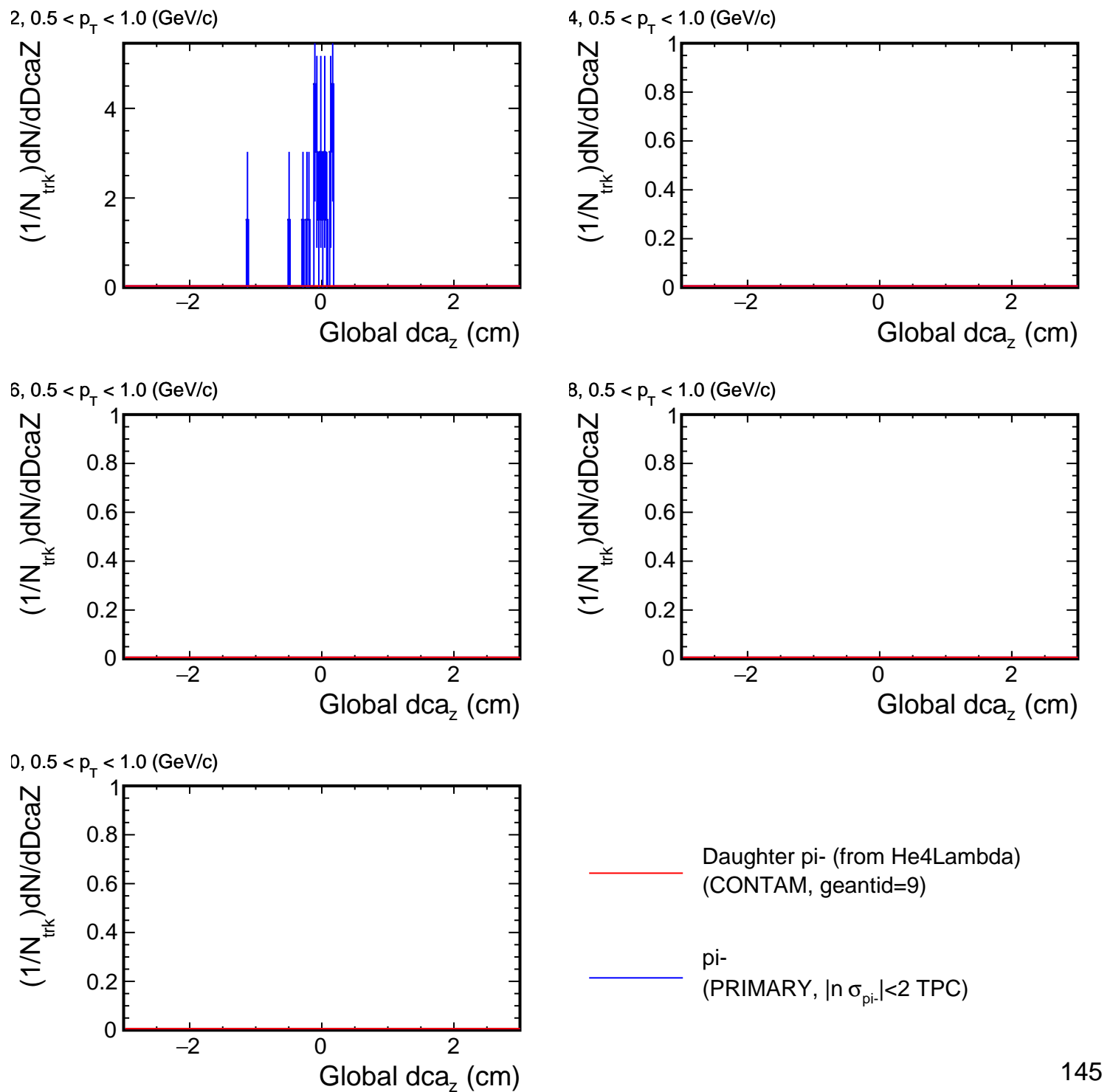
DcaZ distribution for (p_T , η) slices



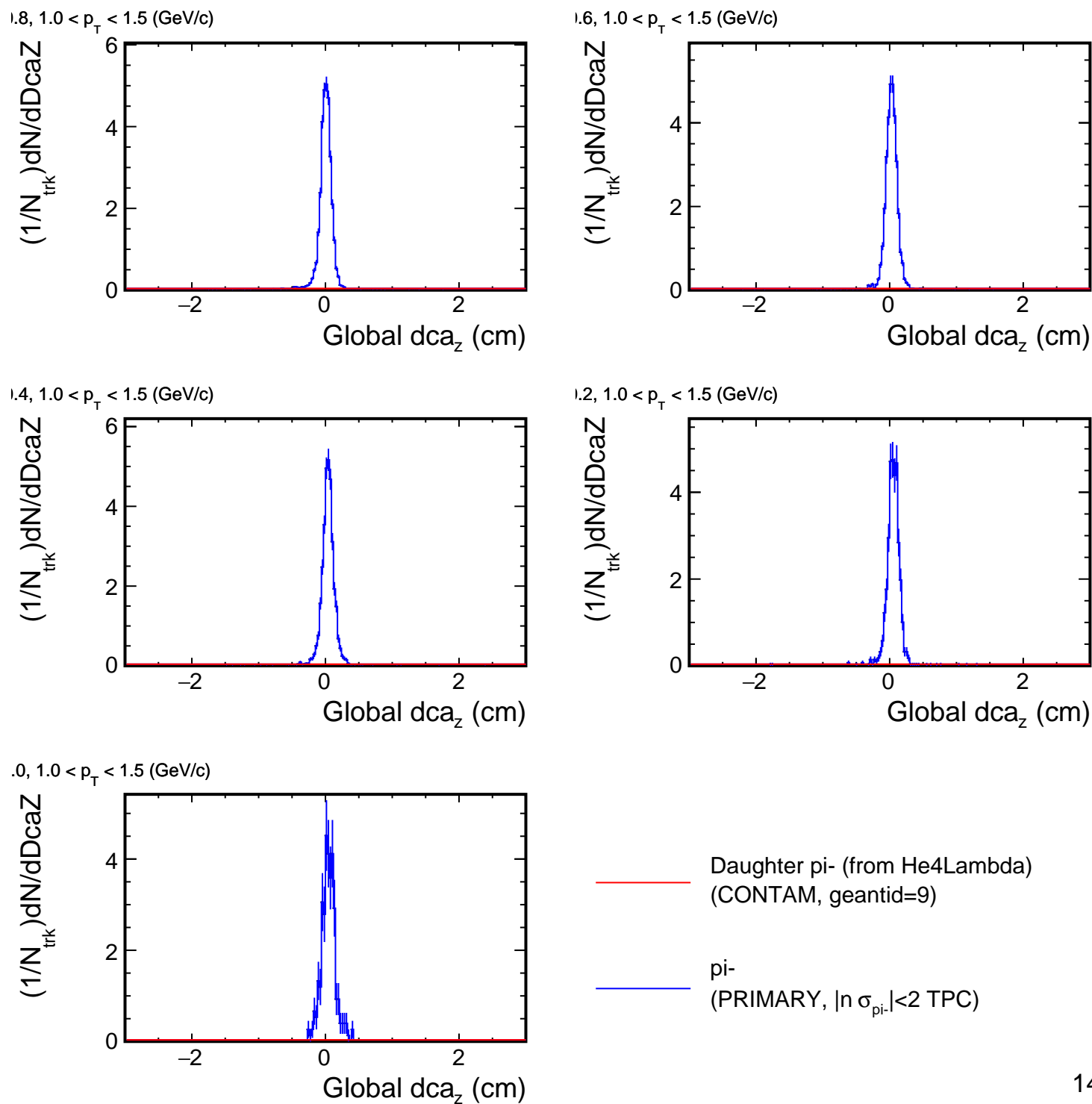
DcaZ distribution for (p_T , η) slices



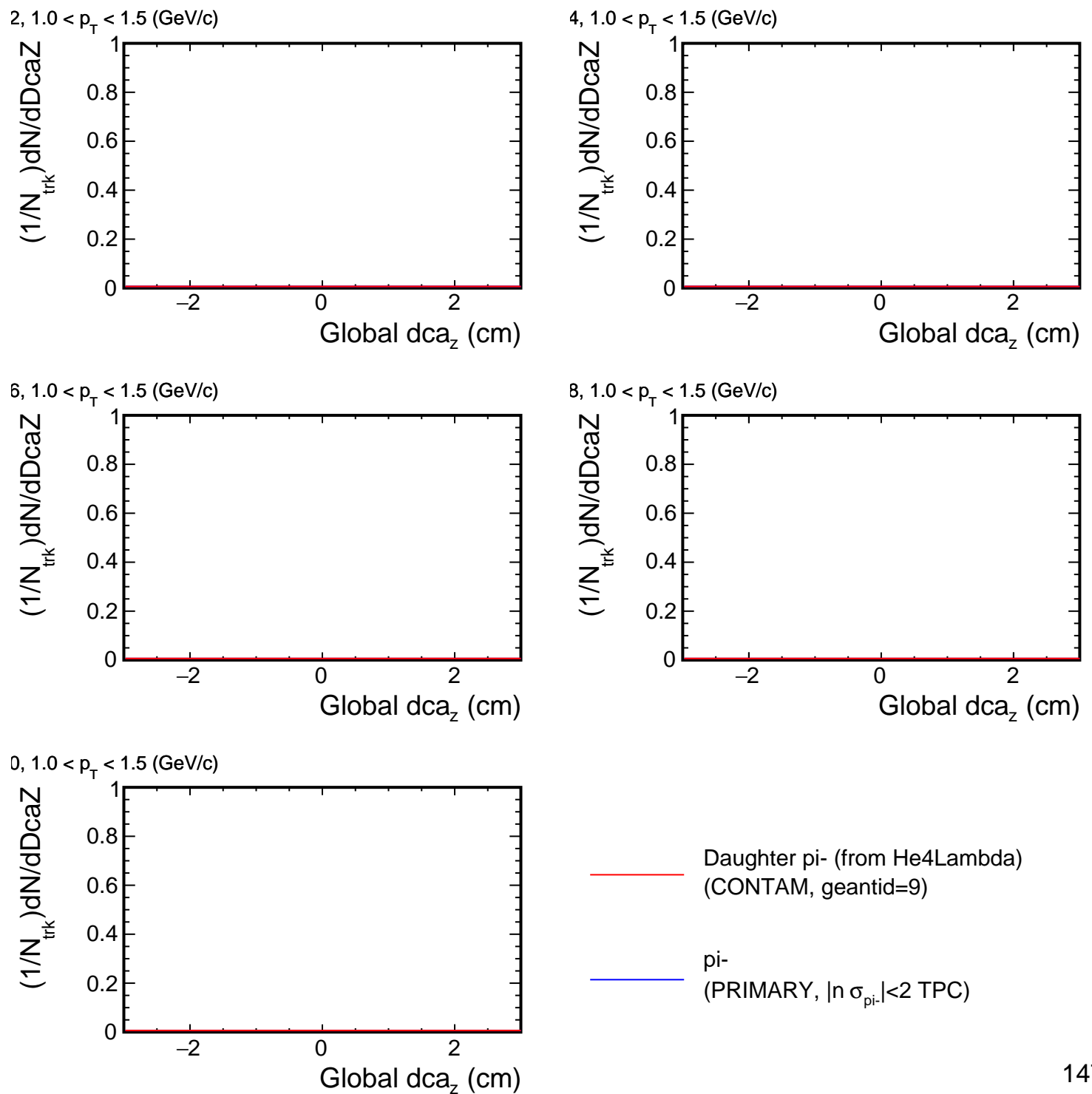
DcaZ distribution for (p_T , η) slices



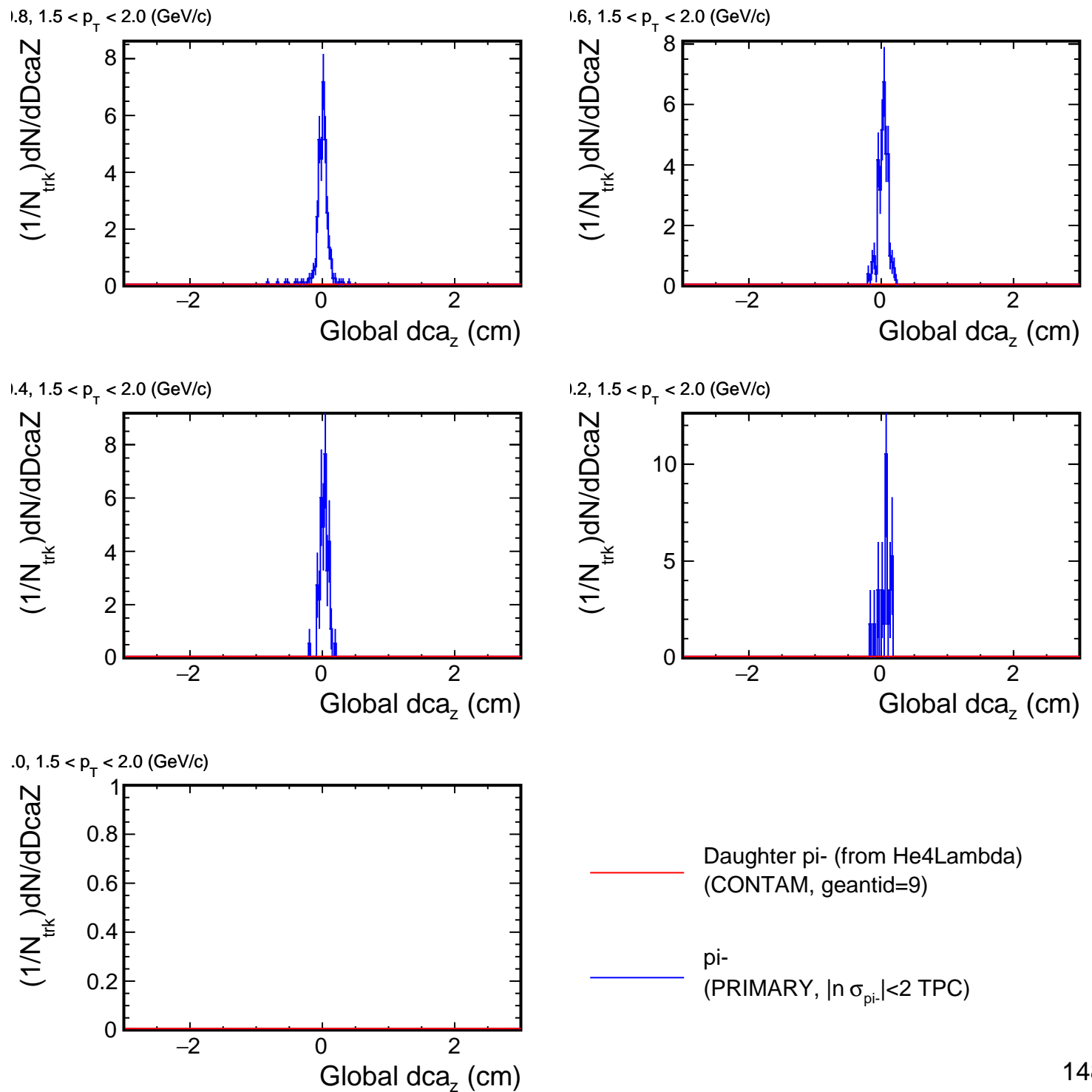
DcaZ distribution for (p_T , η) slices



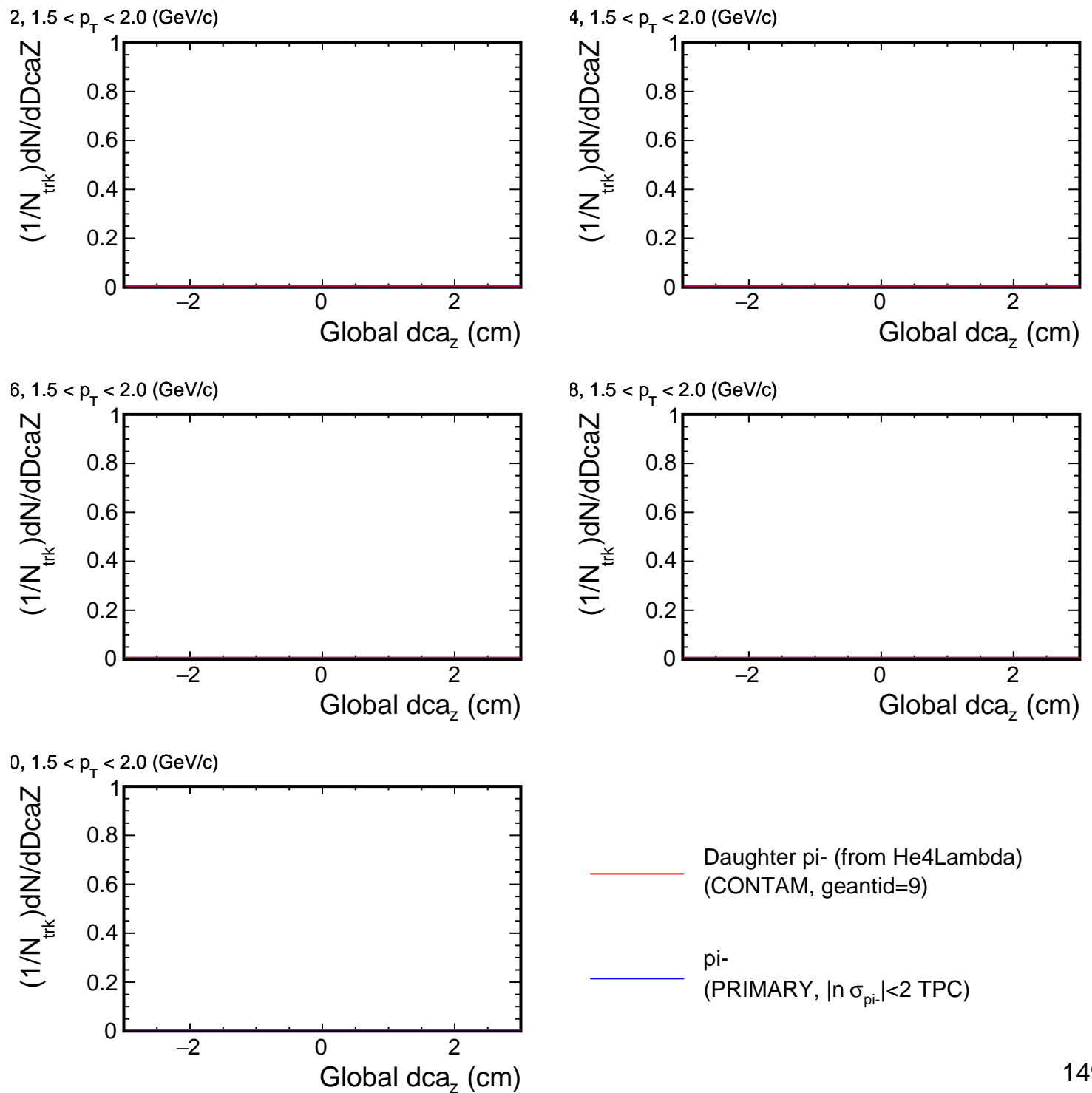
DcaZ distribution for (p_T , η) slices



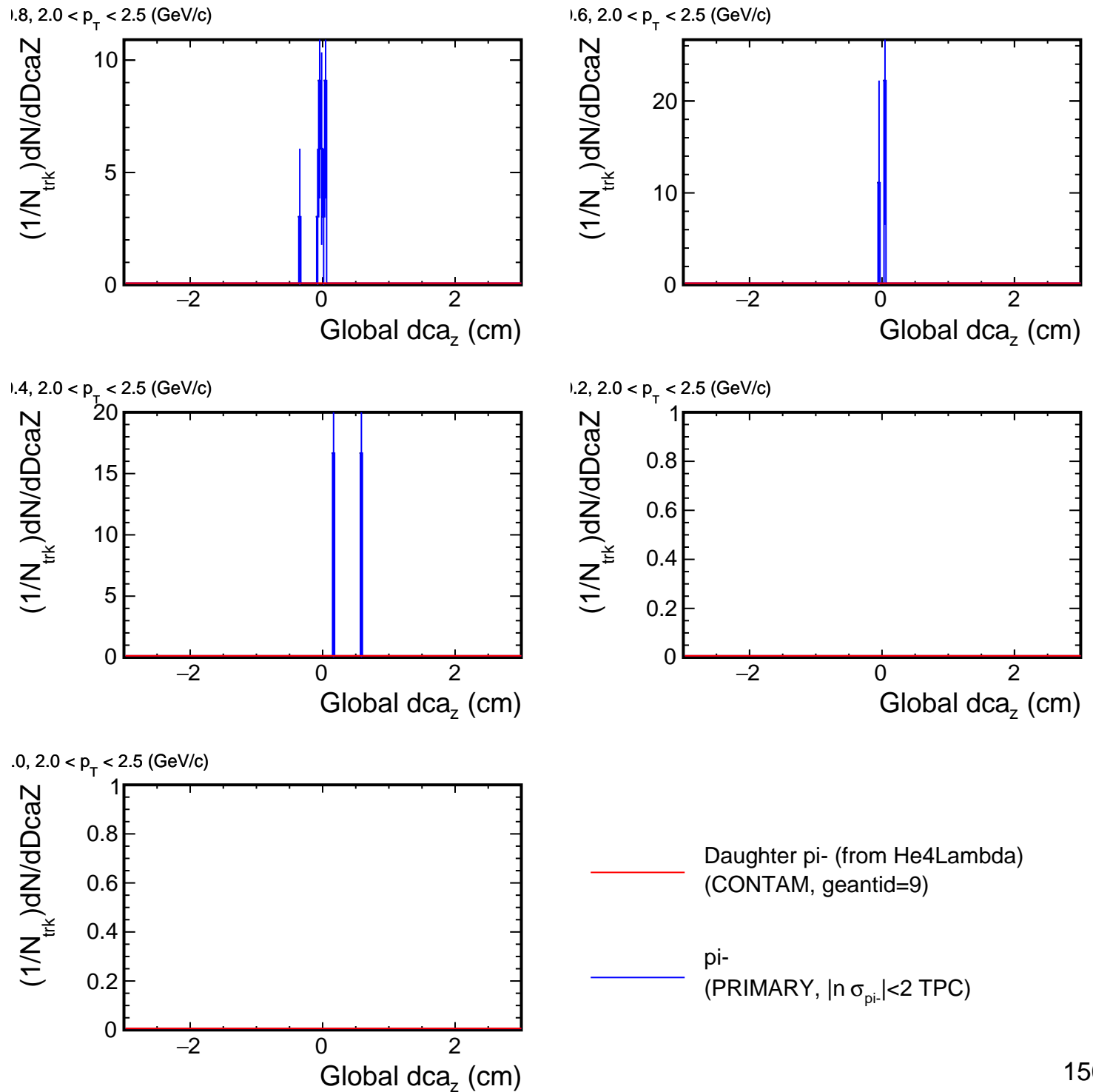
DcaZ distribution for (p_T , η) slices



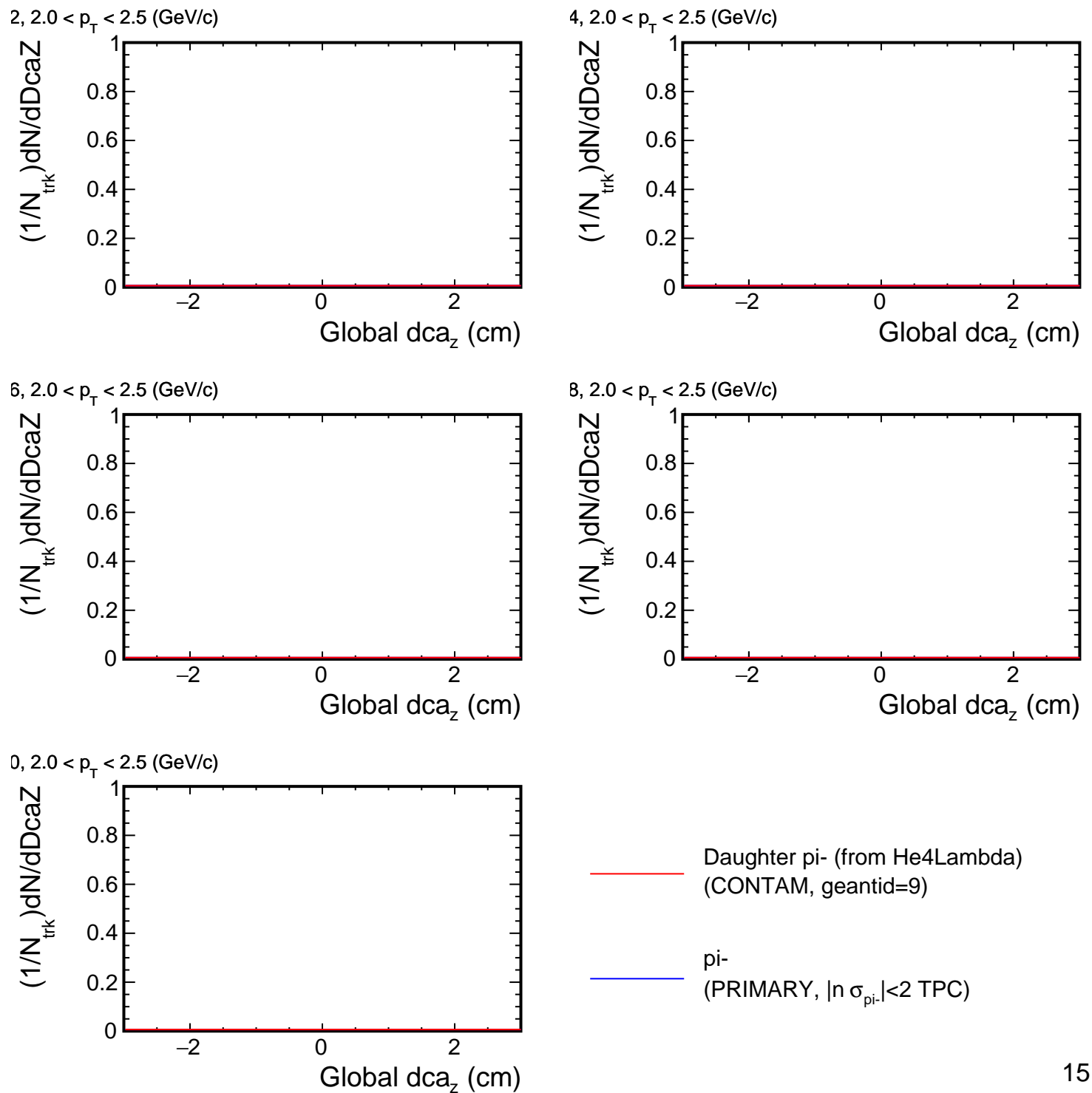
DcaZ distribution for (p_T , η) slices



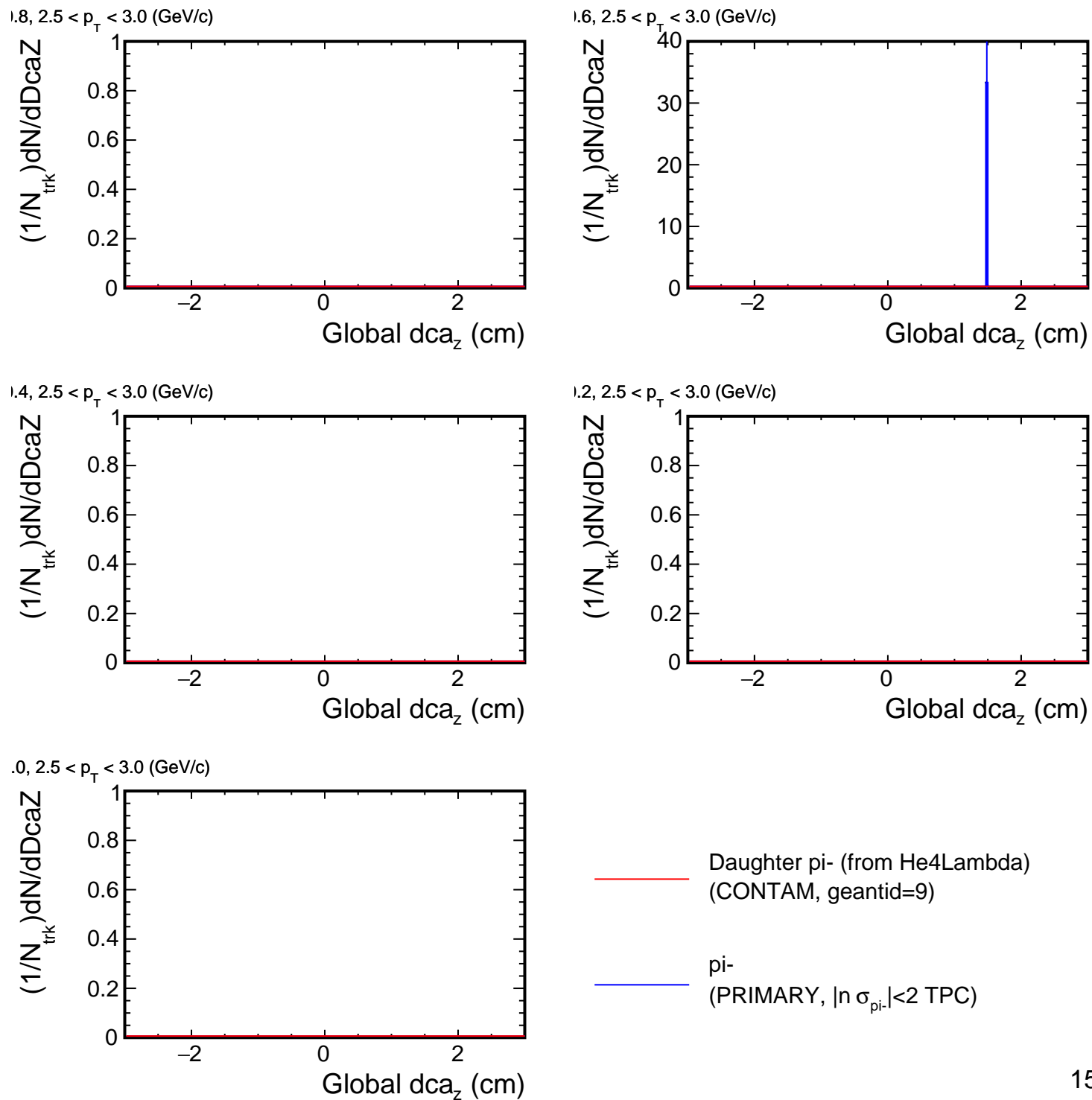
DcaZ distribution for (p_T , η) slices



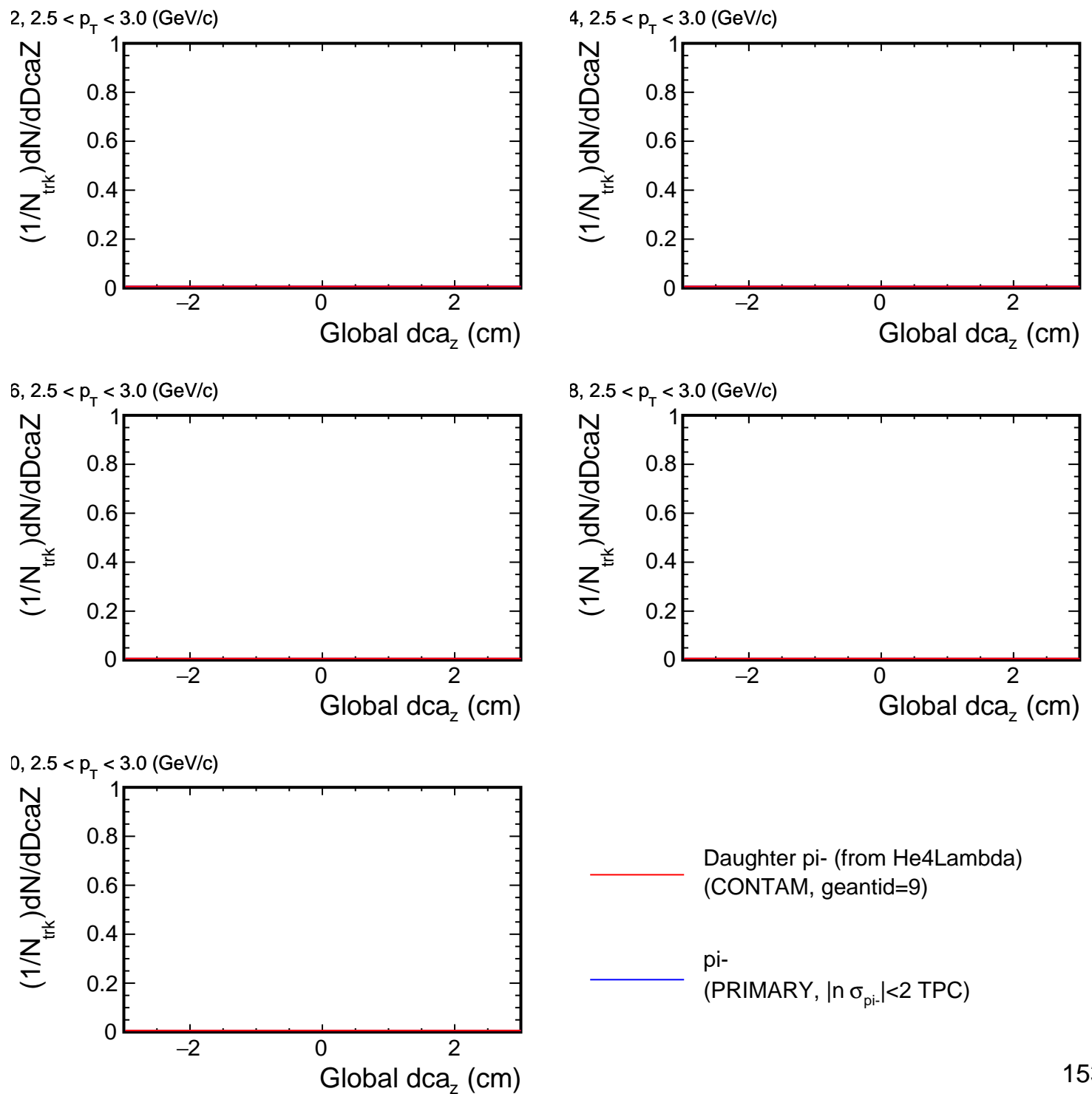
DcaZ distribution for (p_T , η) slices



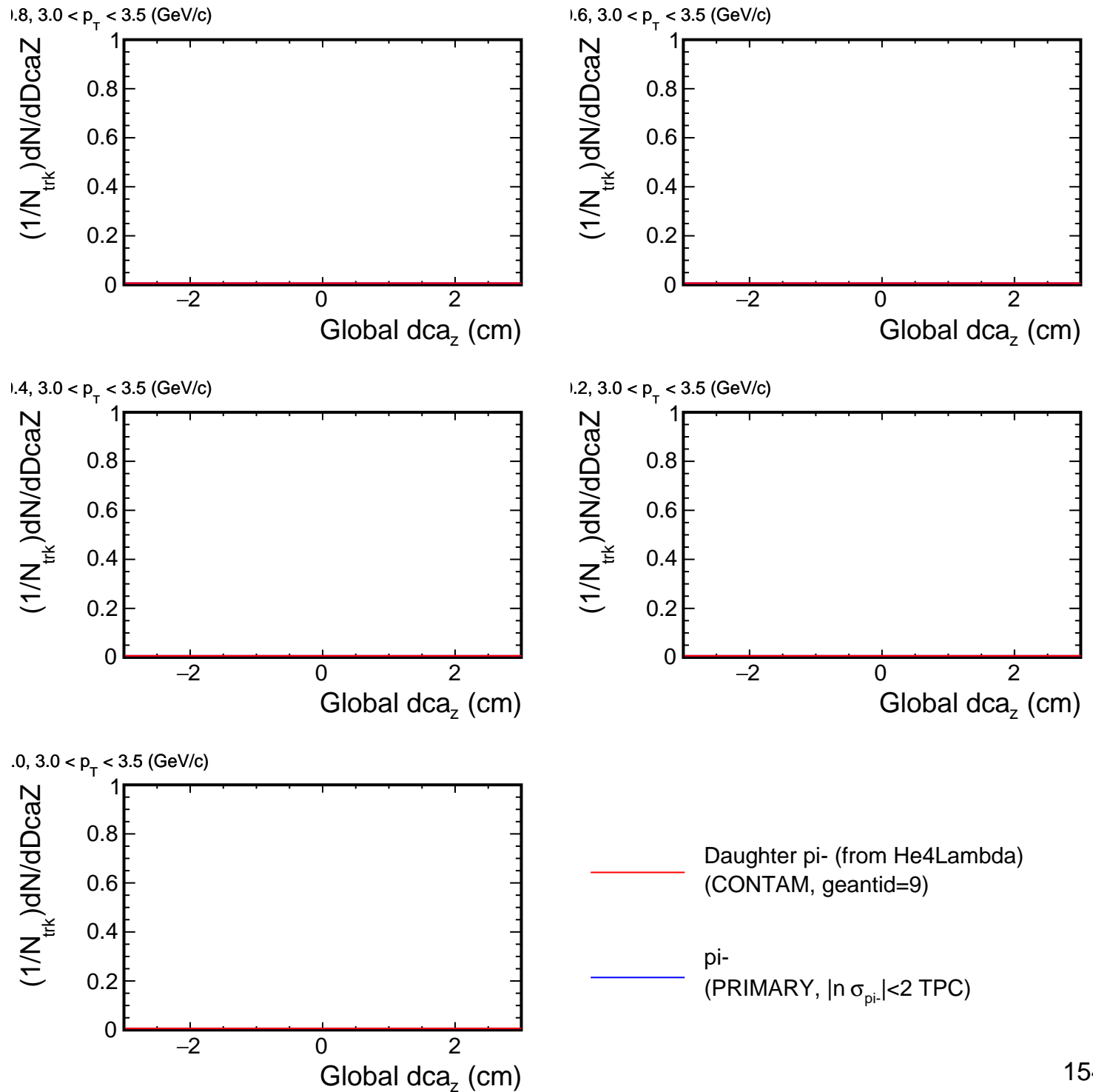
DcaZ distribution for (p_T , η) slices



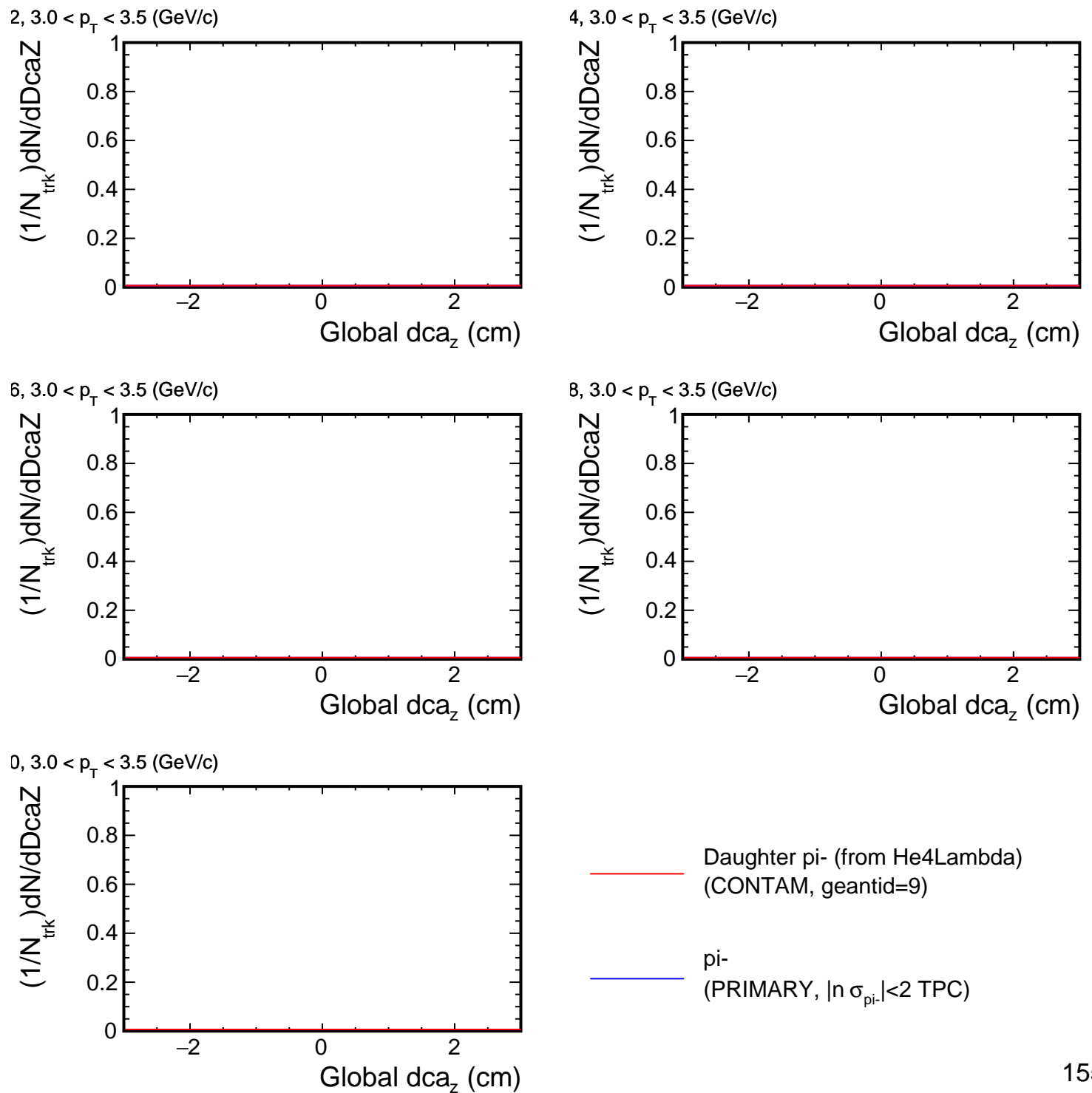
DcaZ distribution for (p_T , η) slices



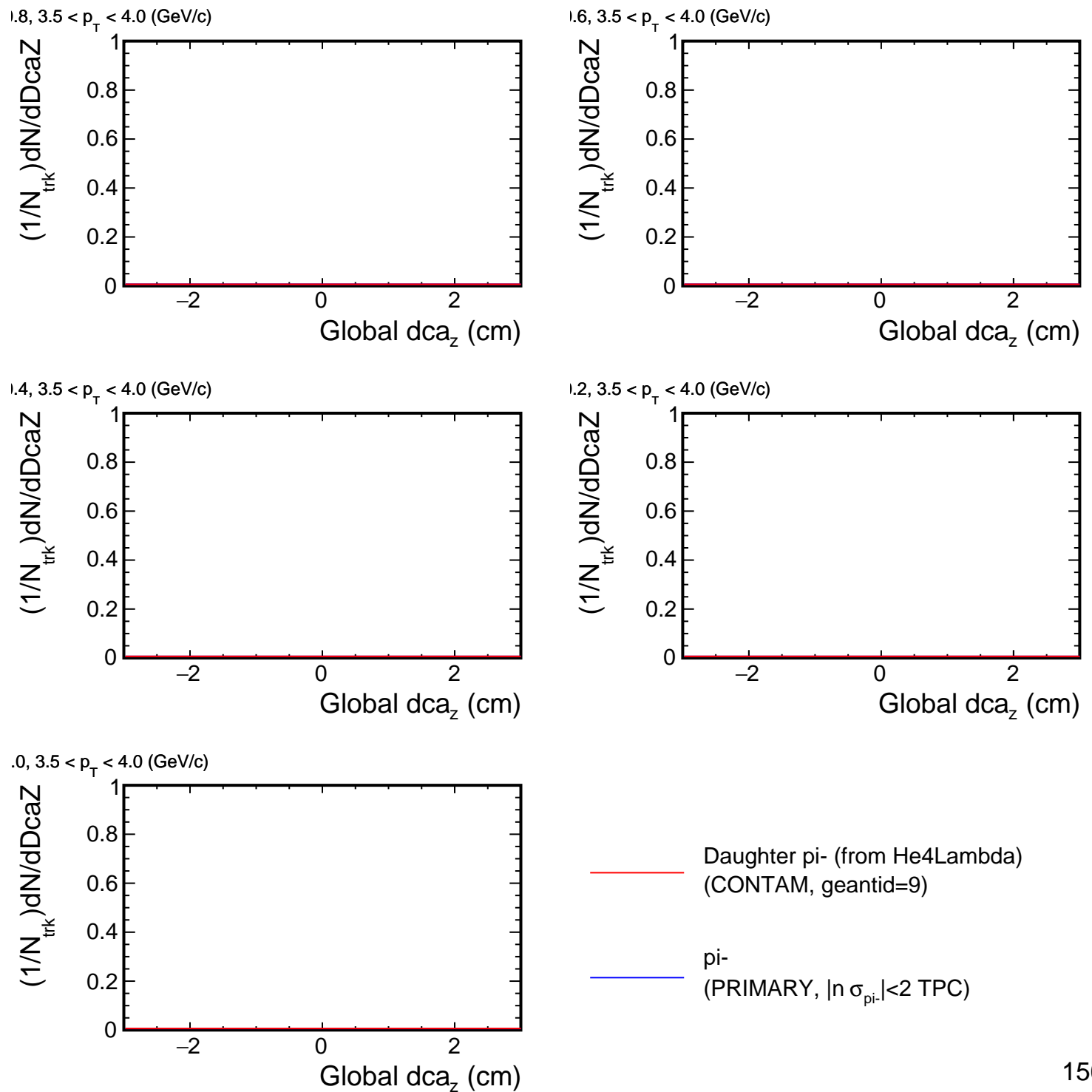
DcaZ distribution for (p_T , η) slices



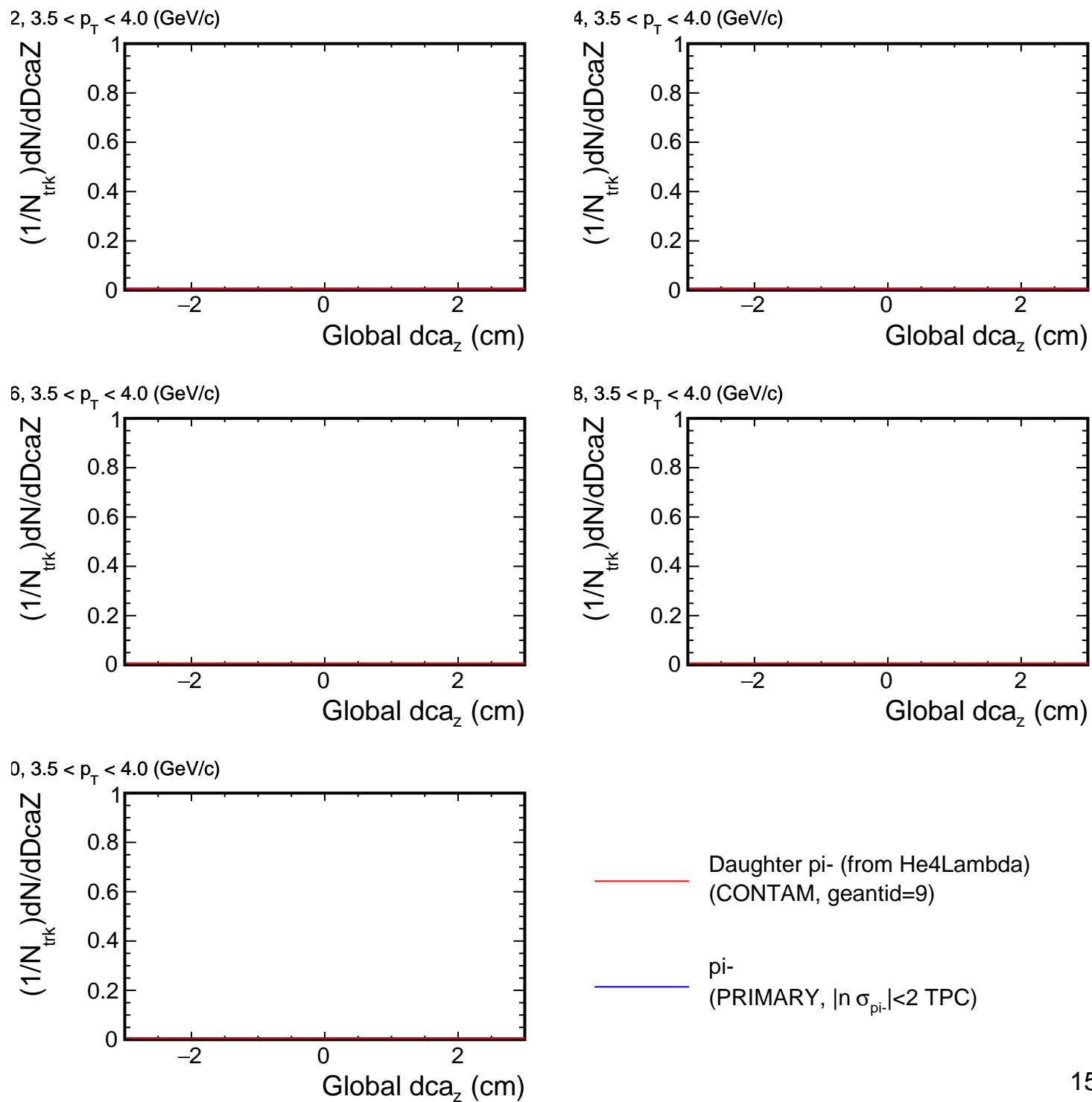
DcaZ distribution for (p_T , η) slices



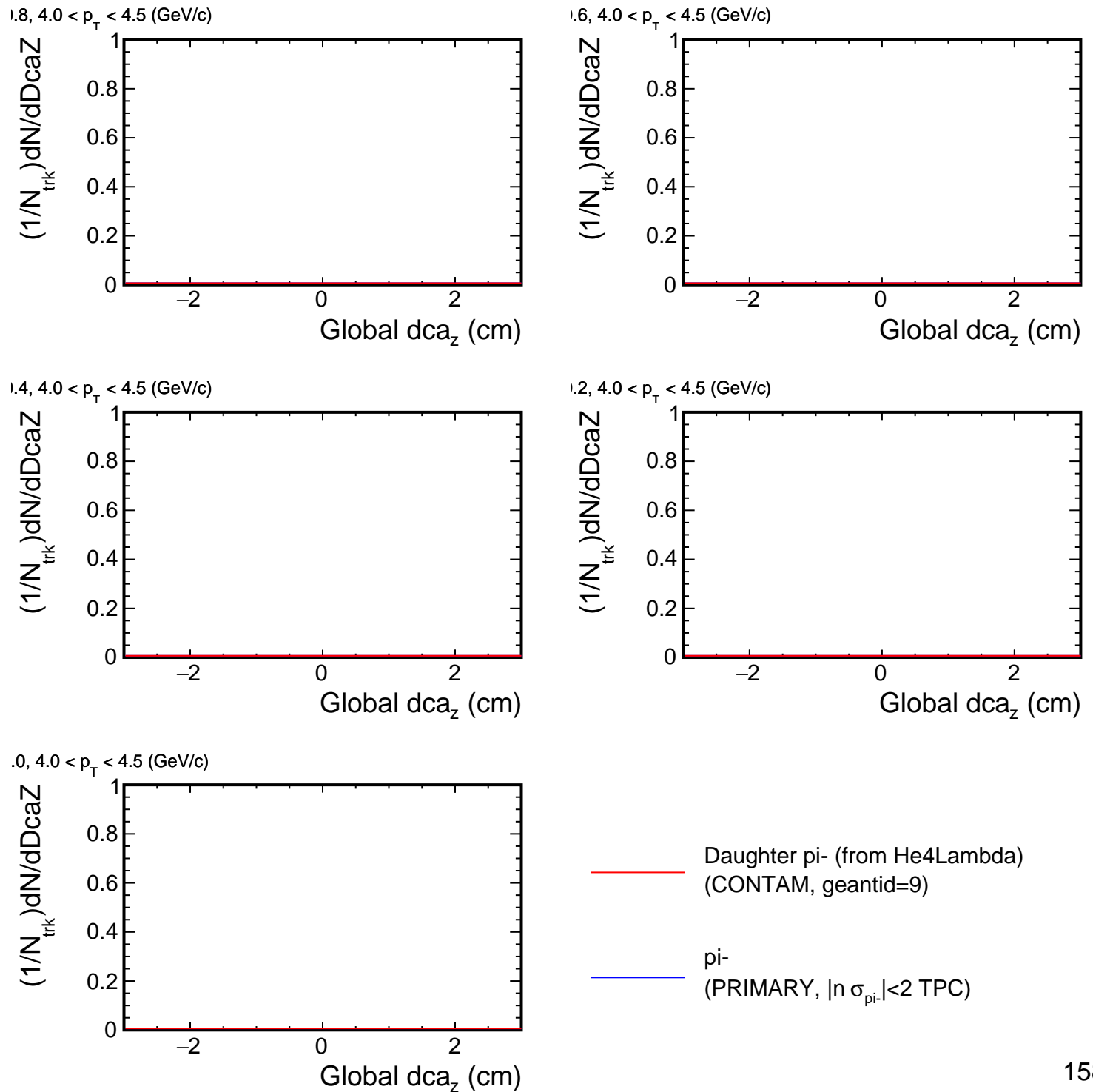
DcaZ distribution for (p_T , η) slices



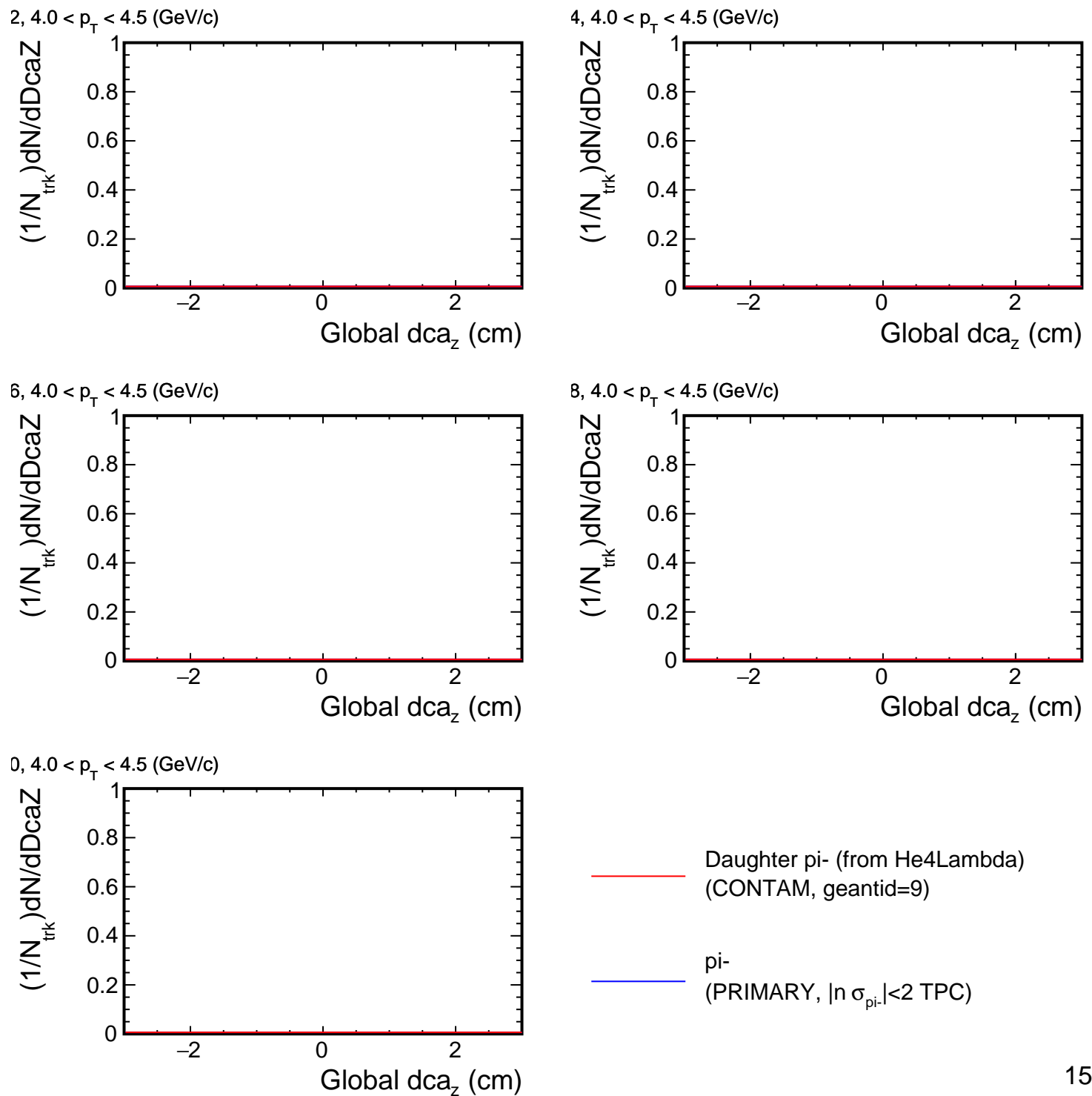
DcaZ distribution for (p_T , η) slices



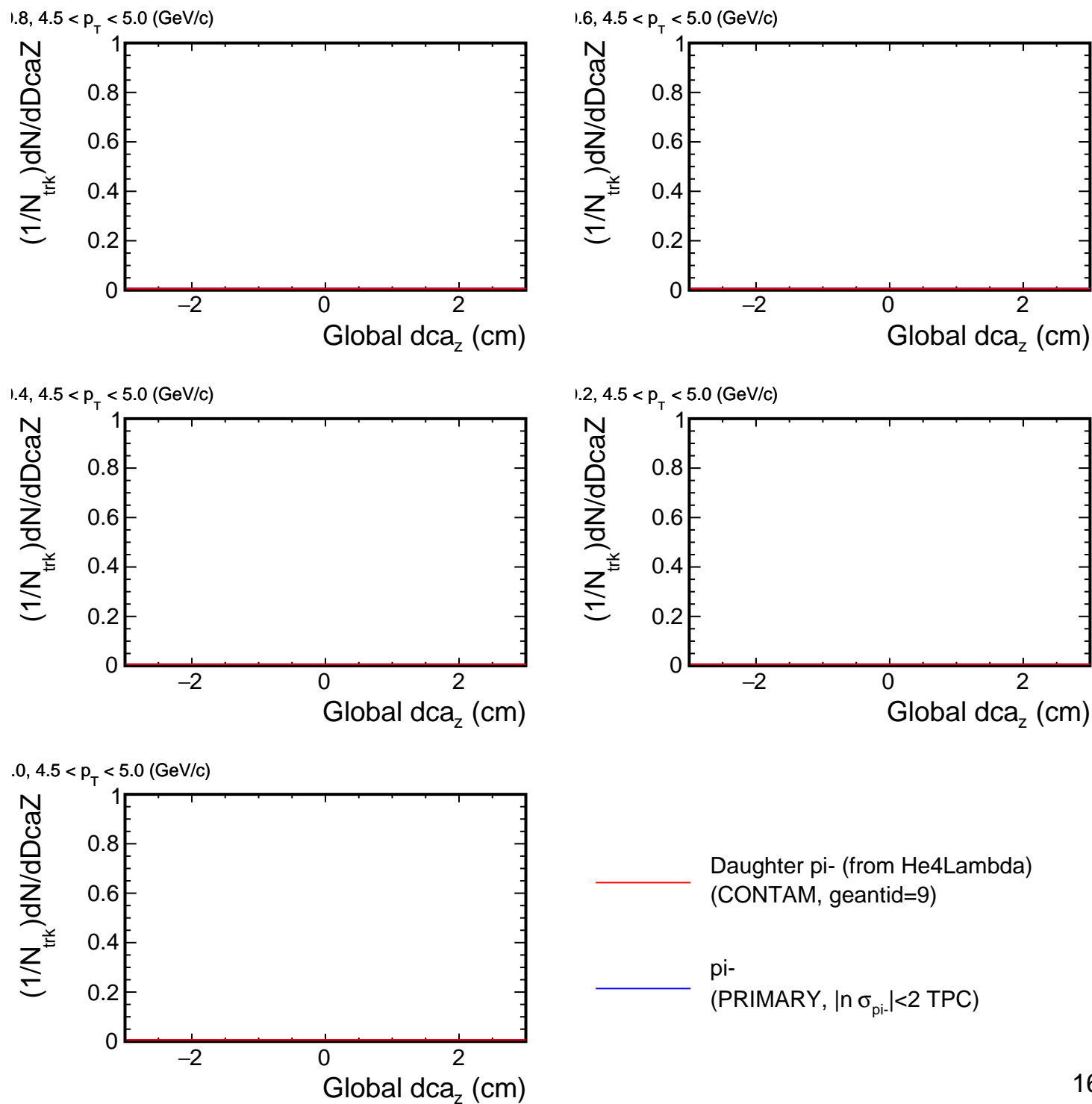
DcaZ distribution for (p_T , η) slices



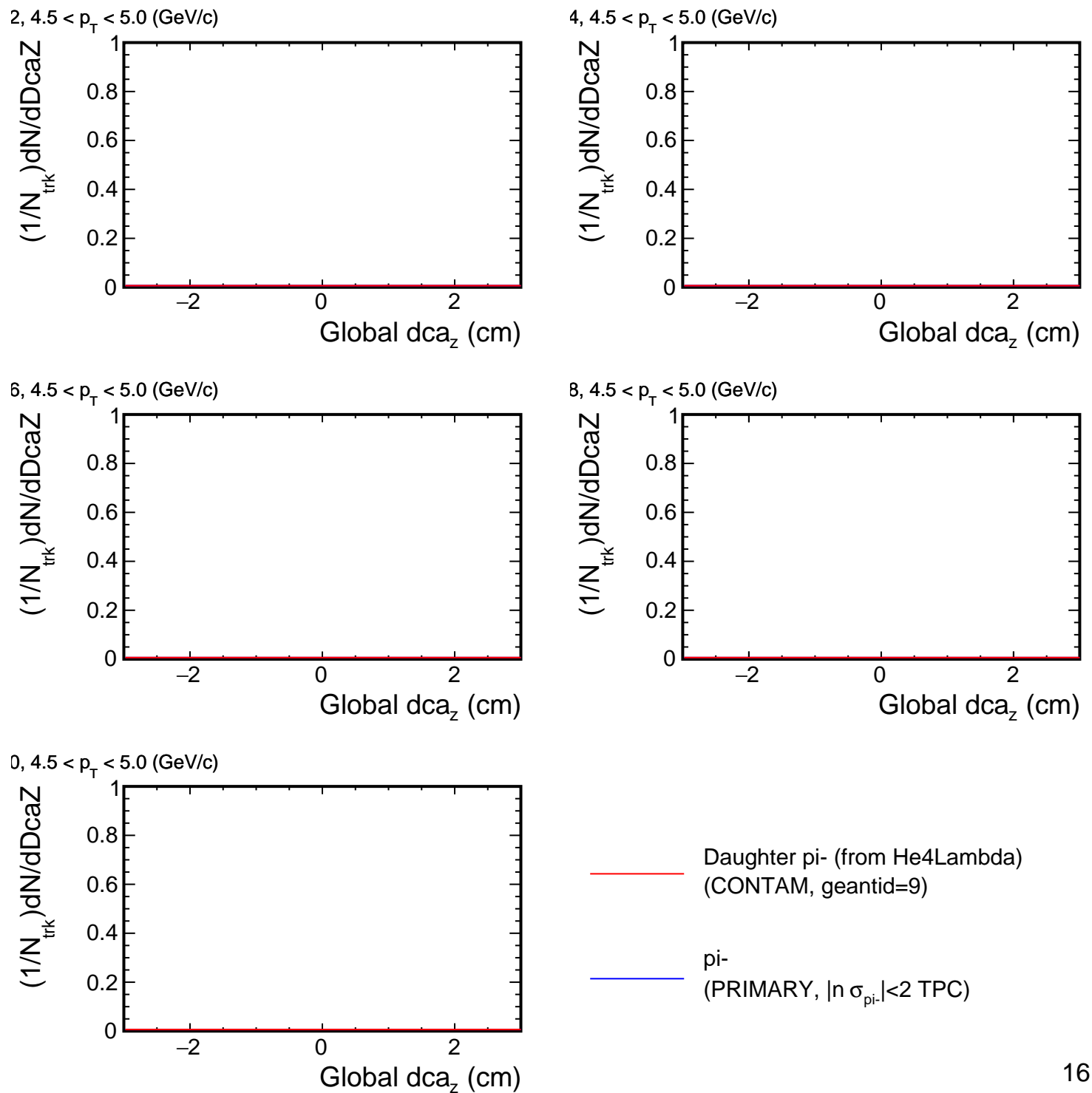
DcaZ distribution for (p_T , η) slices



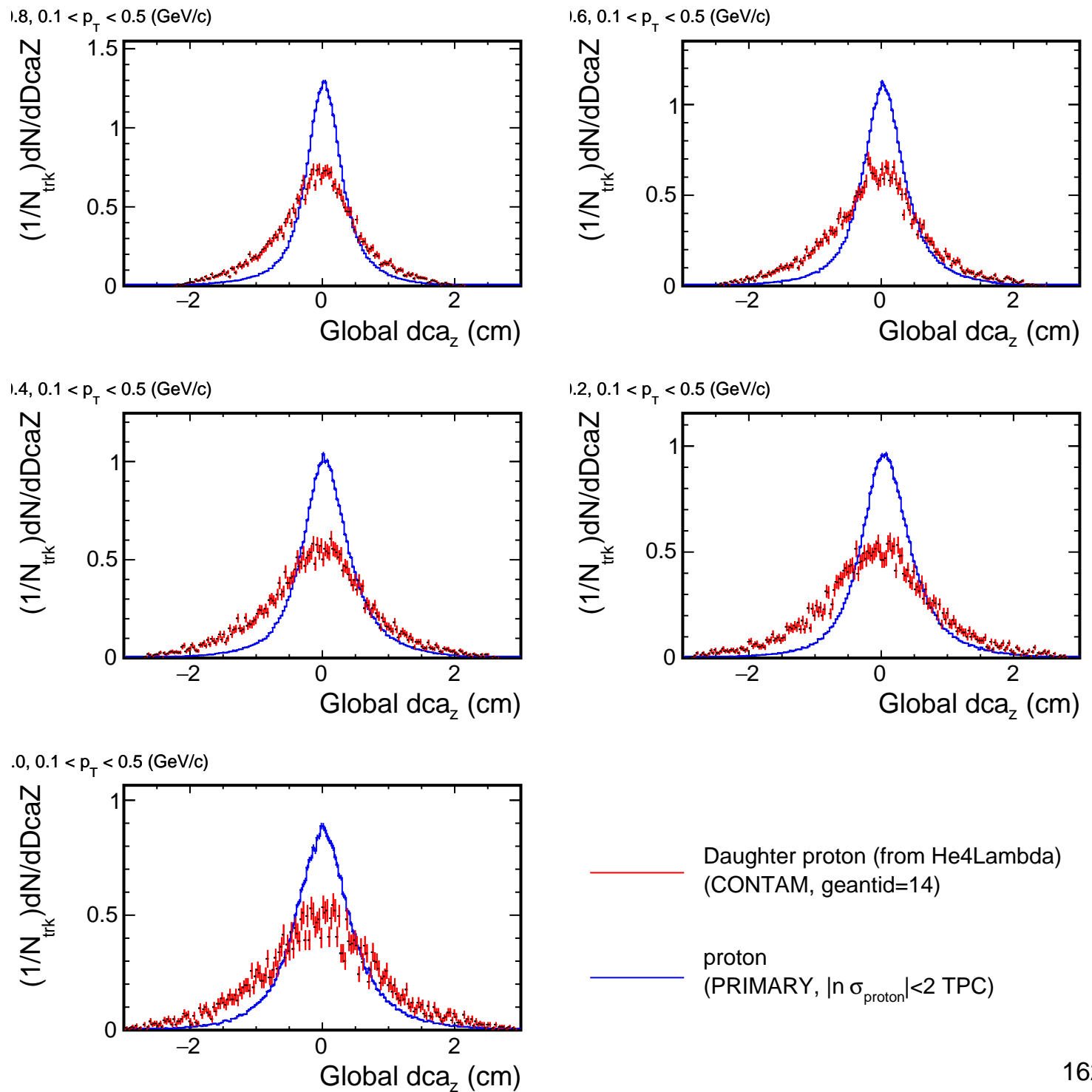
DcaZ distribution for (p_T , η) slices



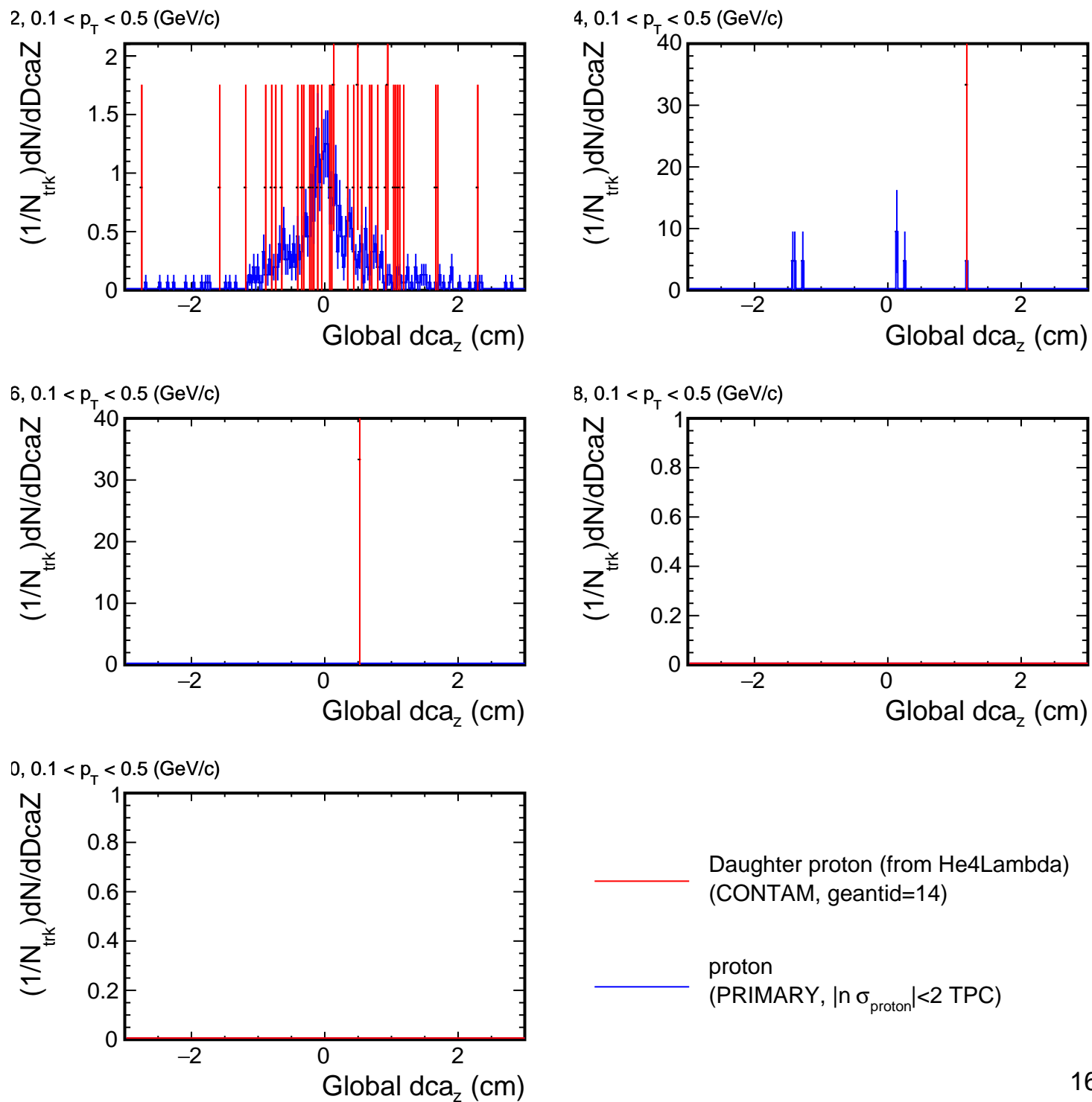
DcaZ distribution for (p_T , η) slices



DcaZ distribution for (p_T , η) slices

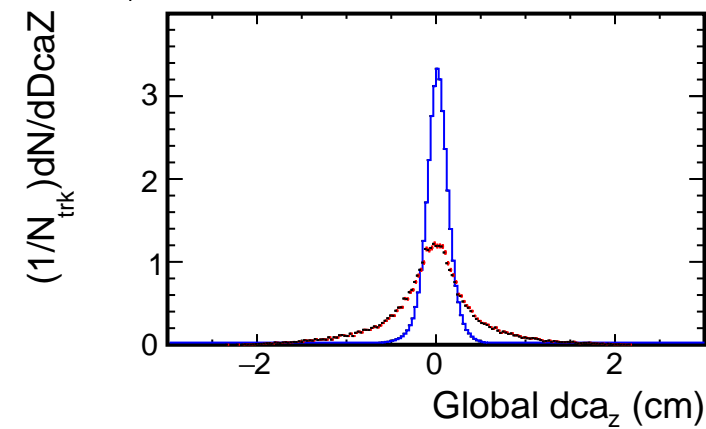


DcaZ distribution for (p_T , η) slices

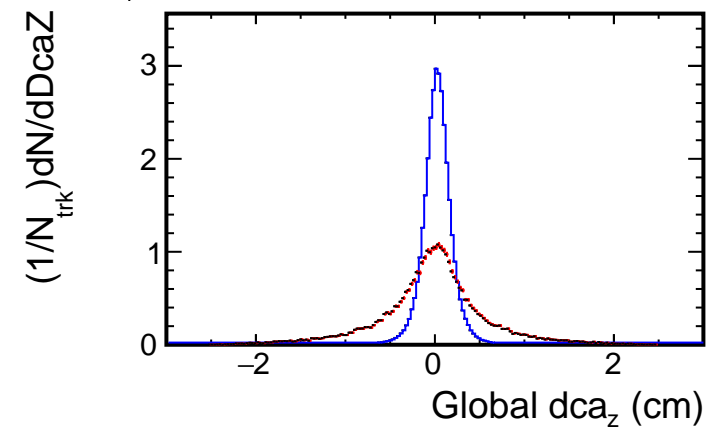


DcaZ distribution for (p_T , η) slices

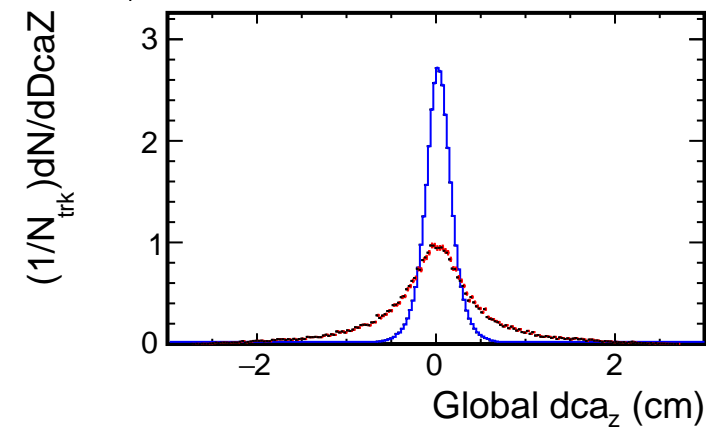
1.8, $0.5 < p_T < 1.0$ (GeV/c)



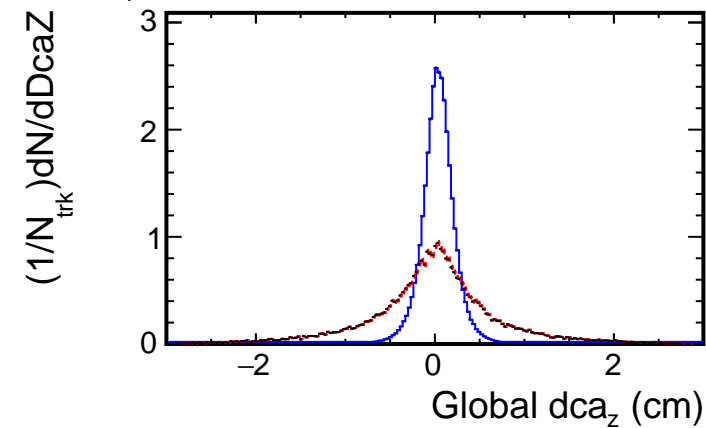
1.6, $0.5 < p_T < 1.0$ (GeV/c)



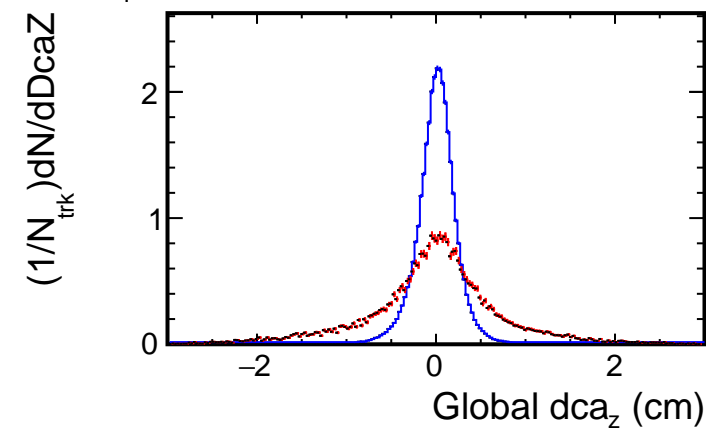
1.4, $0.5 < p_T < 1.0$ (GeV/c)



1.2, $0.5 < p_T < 1.0$ (GeV/c)



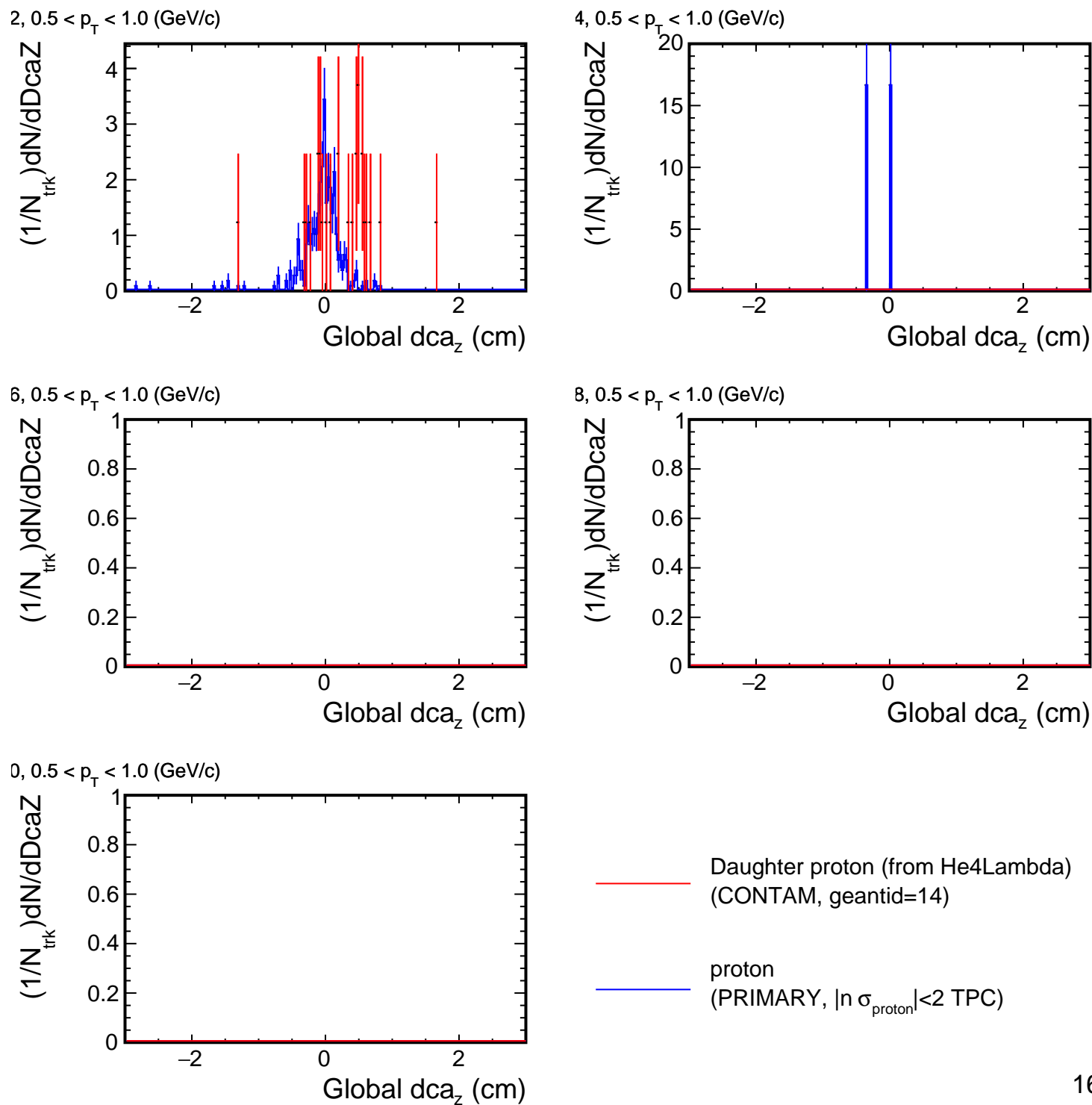
1.0, $0.5 < p_T < 1.0$ (GeV/c)



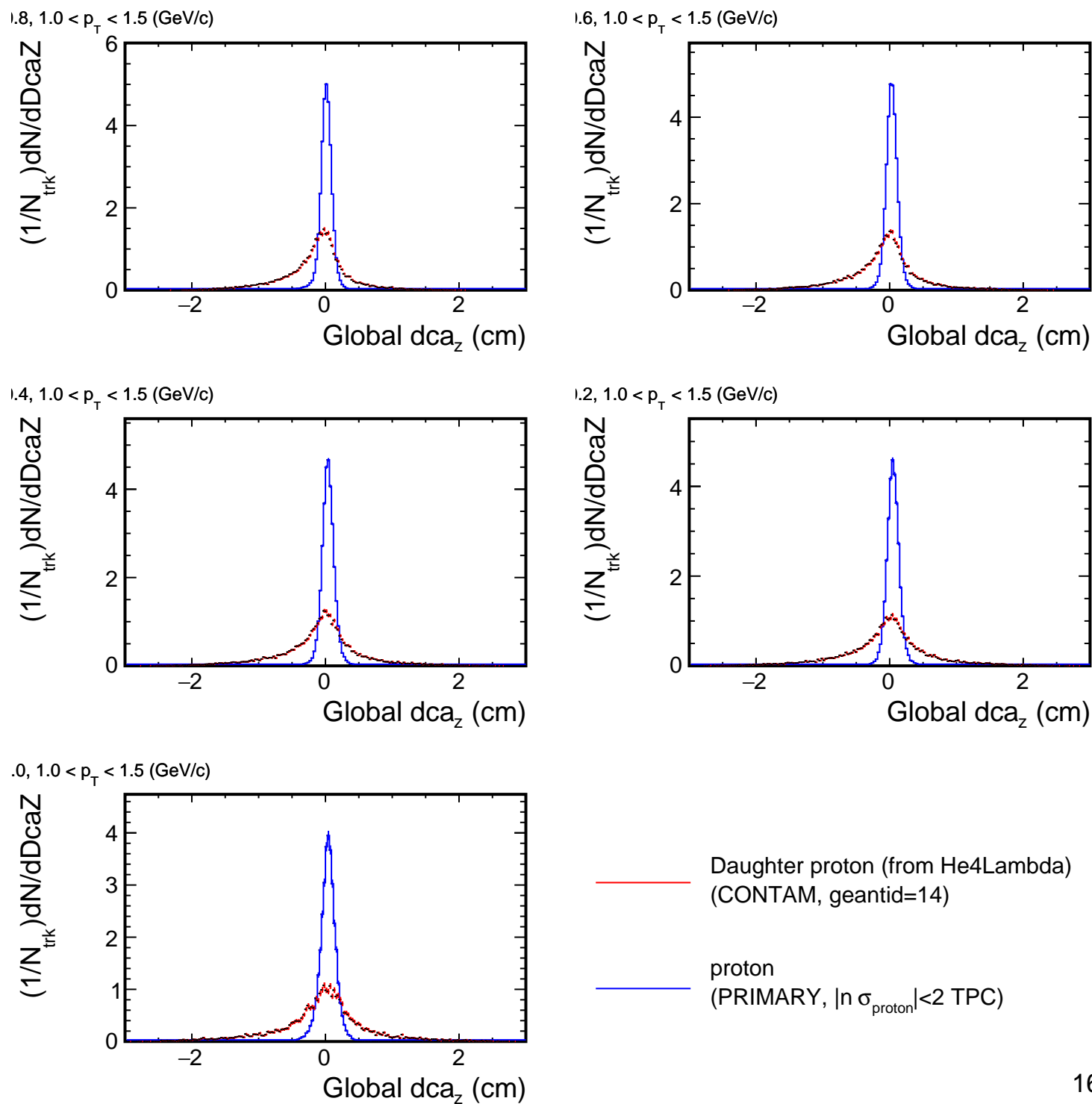
— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

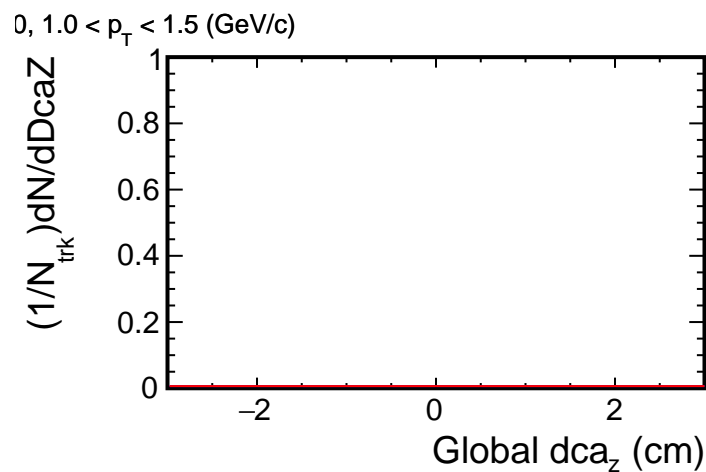
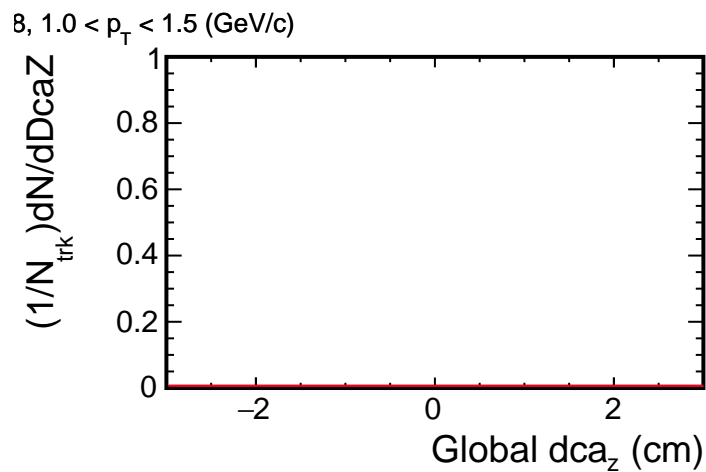
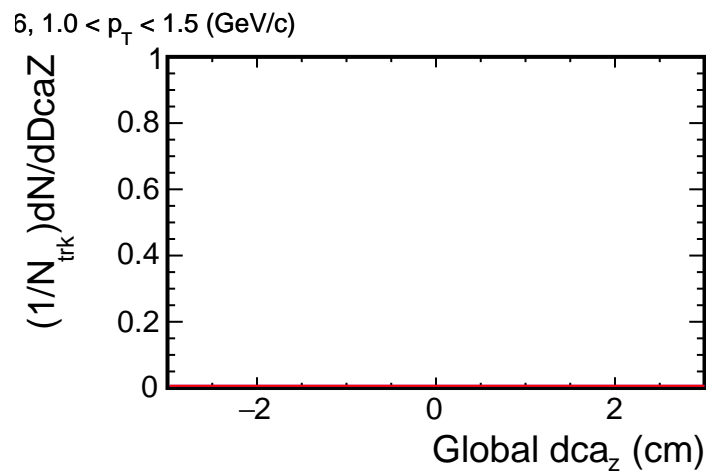
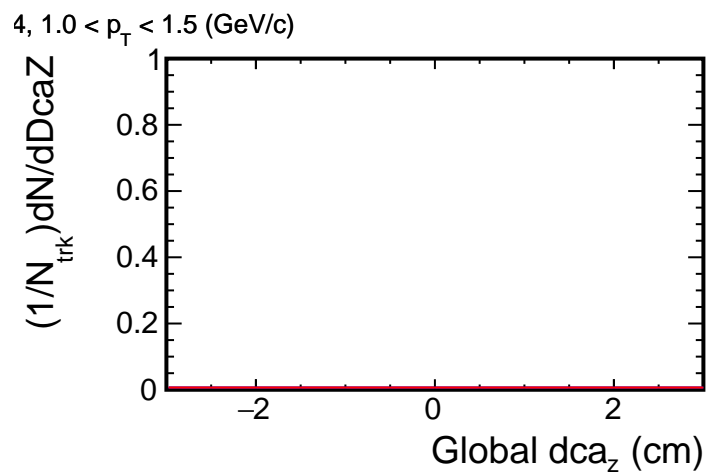
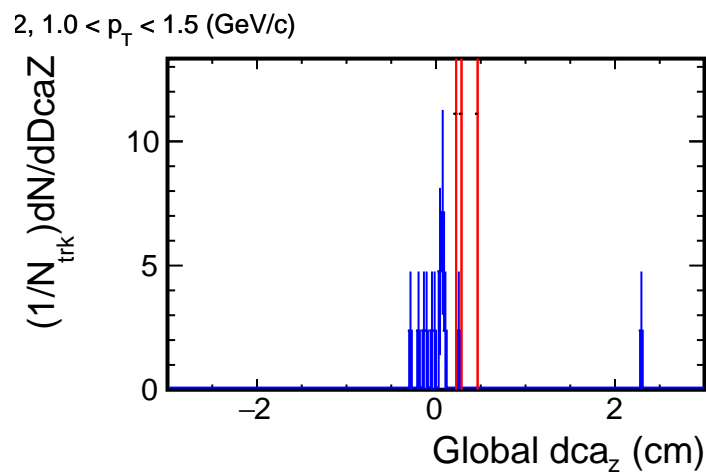
DcaZ distribution for (p_T , η) slices



DcaZ distribution for (p_T , η) slices



DcaZ distribution for (p_T , η) slices

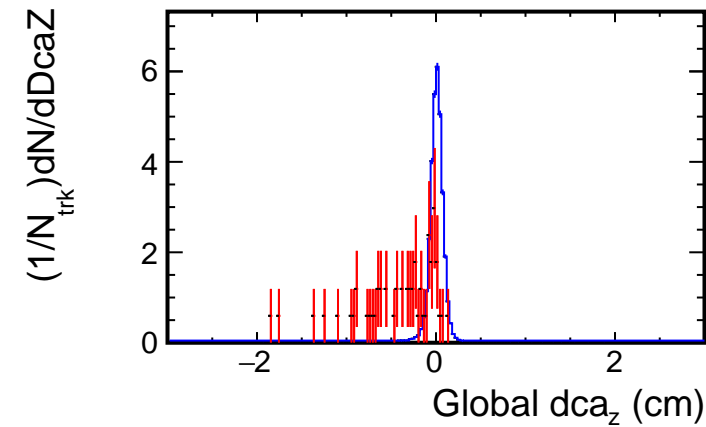


— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

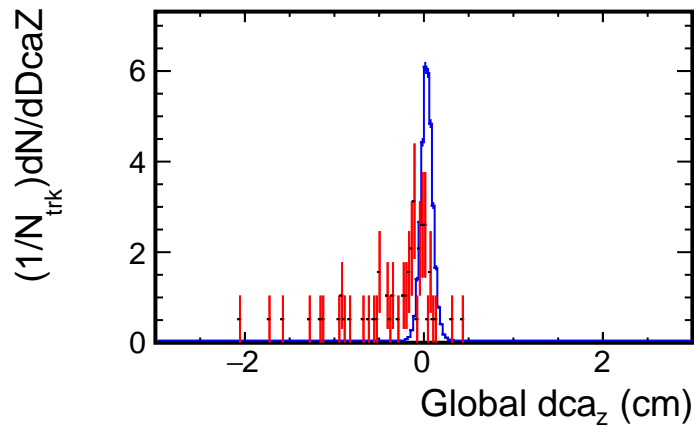
— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

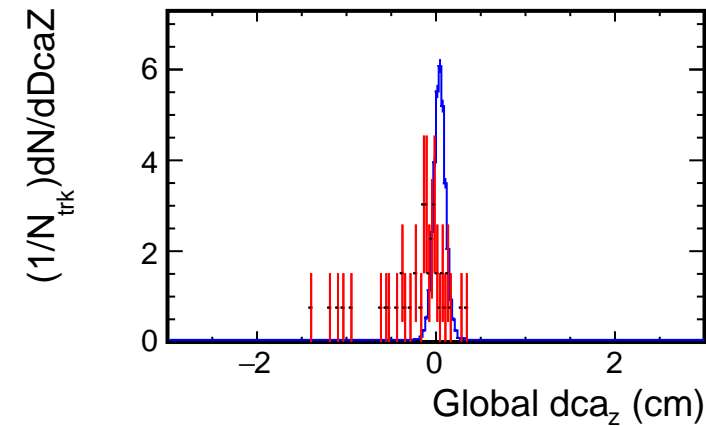
1.8, $1.5 < p_T < 2.0$ (GeV/c)



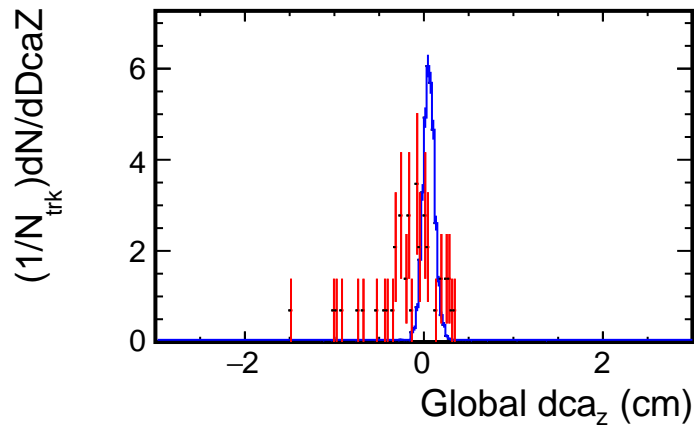
1.6, $1.5 < p_T < 2.0$ (GeV/c)



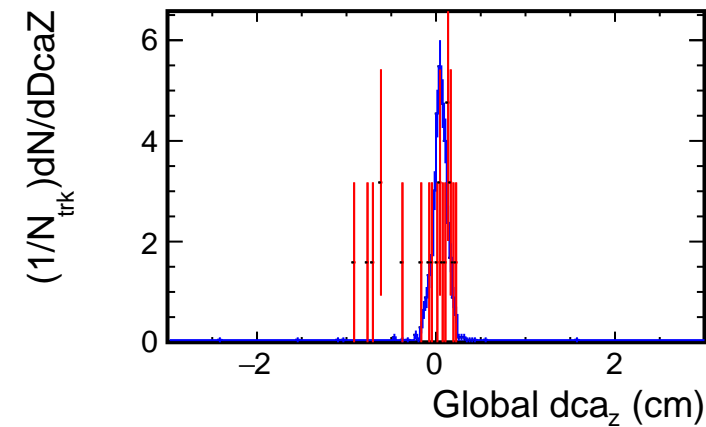
1.4, $1.5 < p_T < 2.0$ (GeV/c)



1.2, $1.5 < p_T < 2.0$ (GeV/c)



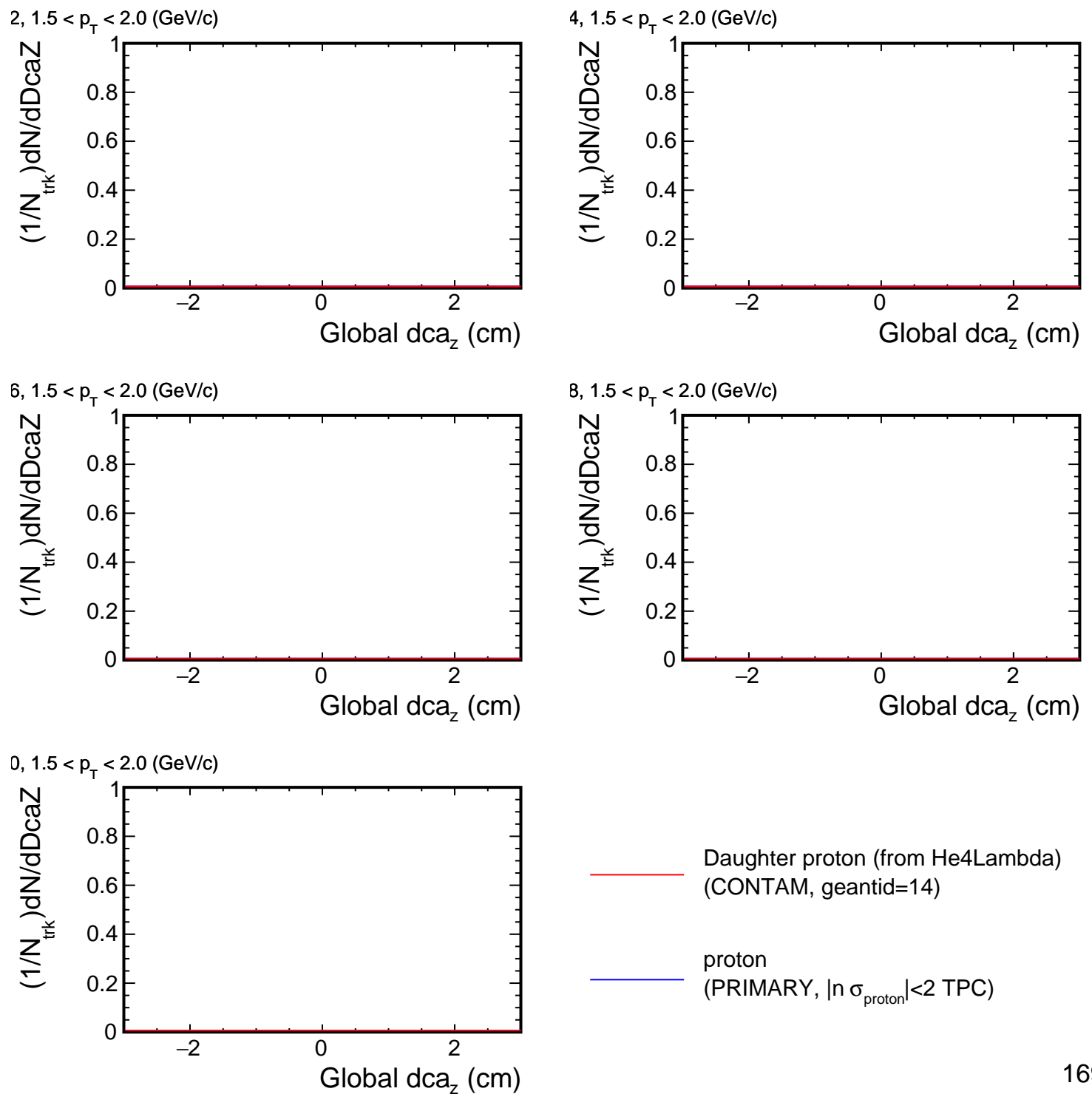
1.0, $1.5 < p_T < 2.0$ (GeV/c)



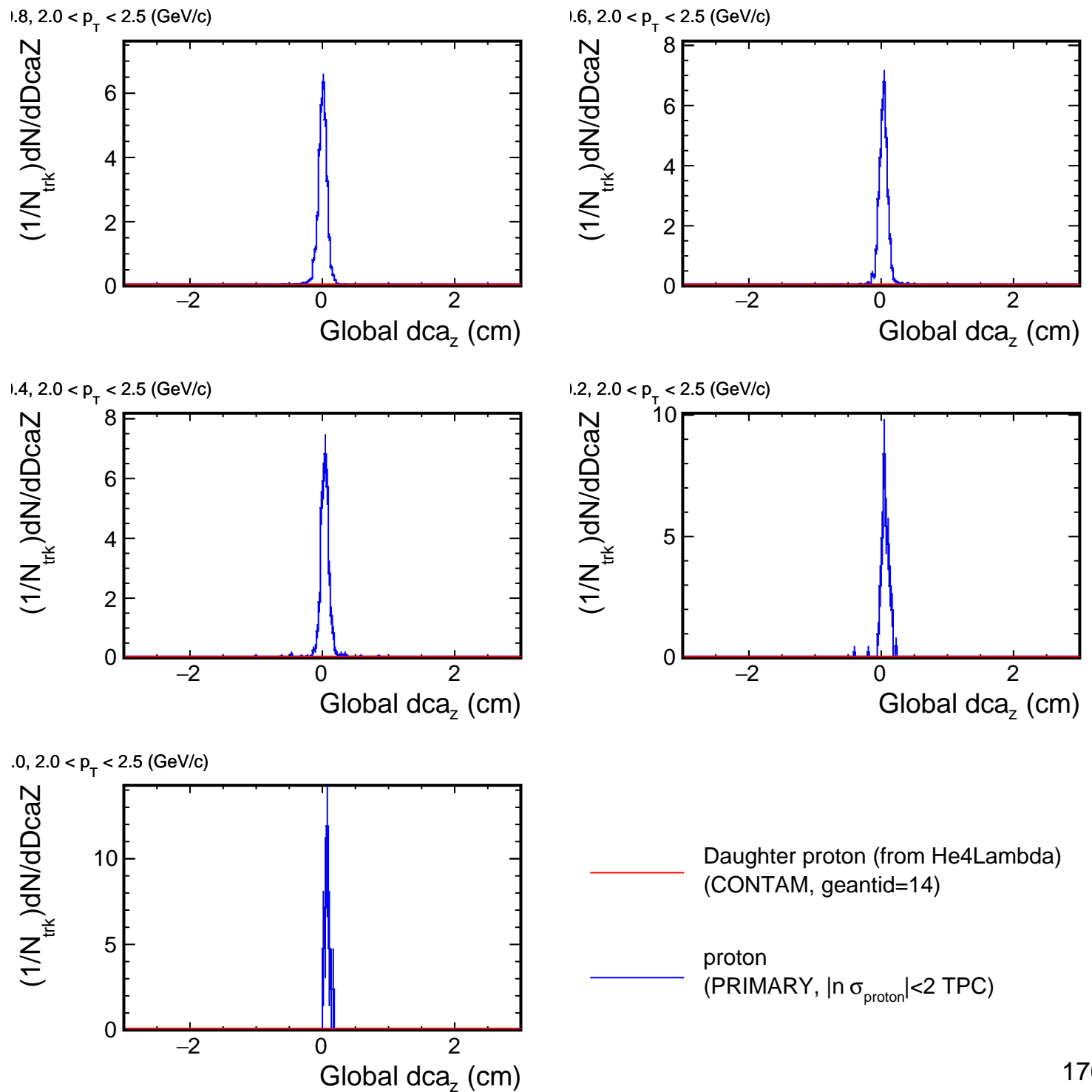
— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

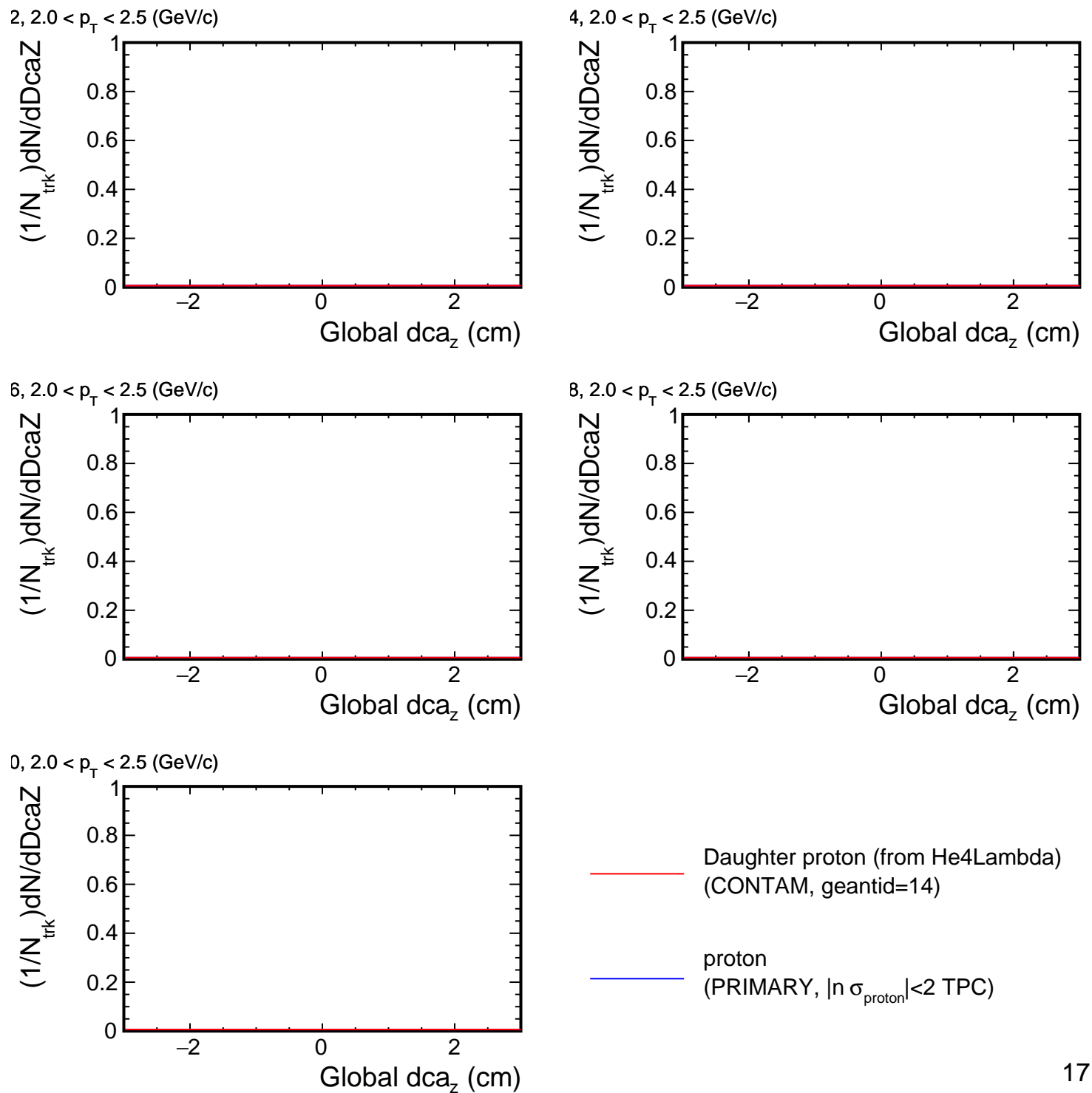
DcaZ distribution for (p_T , η) slices



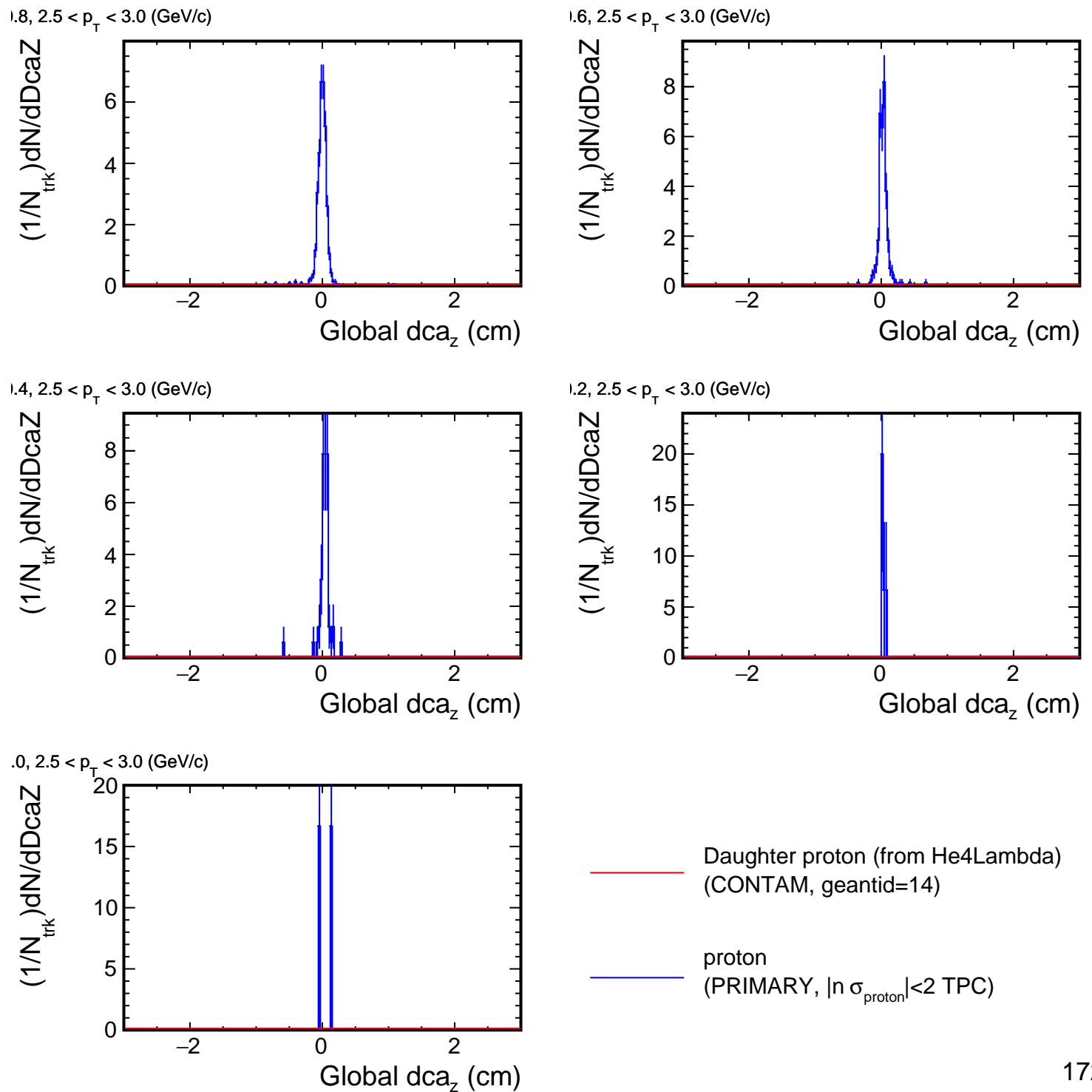
DcaZ distribution for (p_T , η) slices



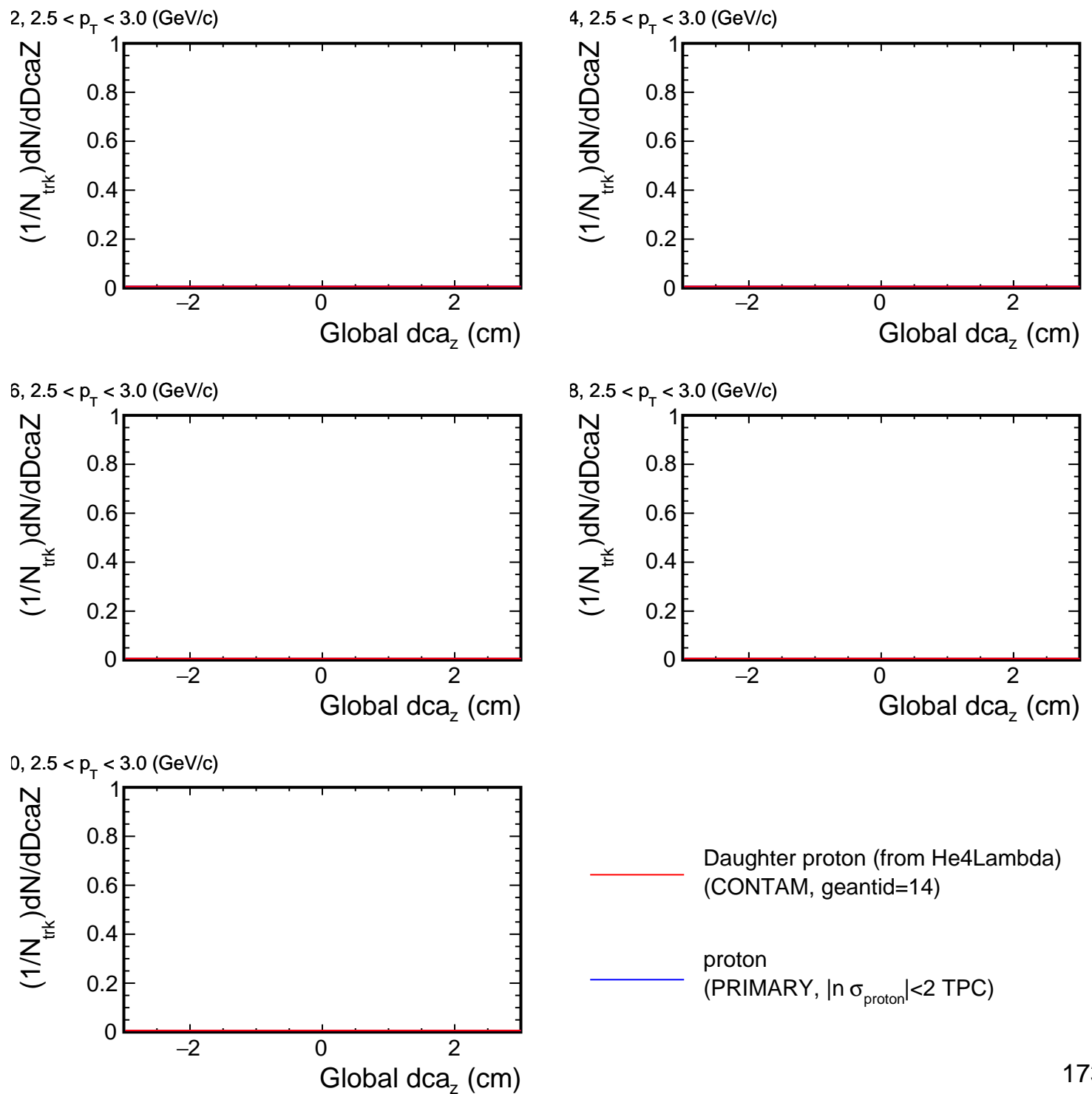
DcaZ distribution for (p_T , η) slices



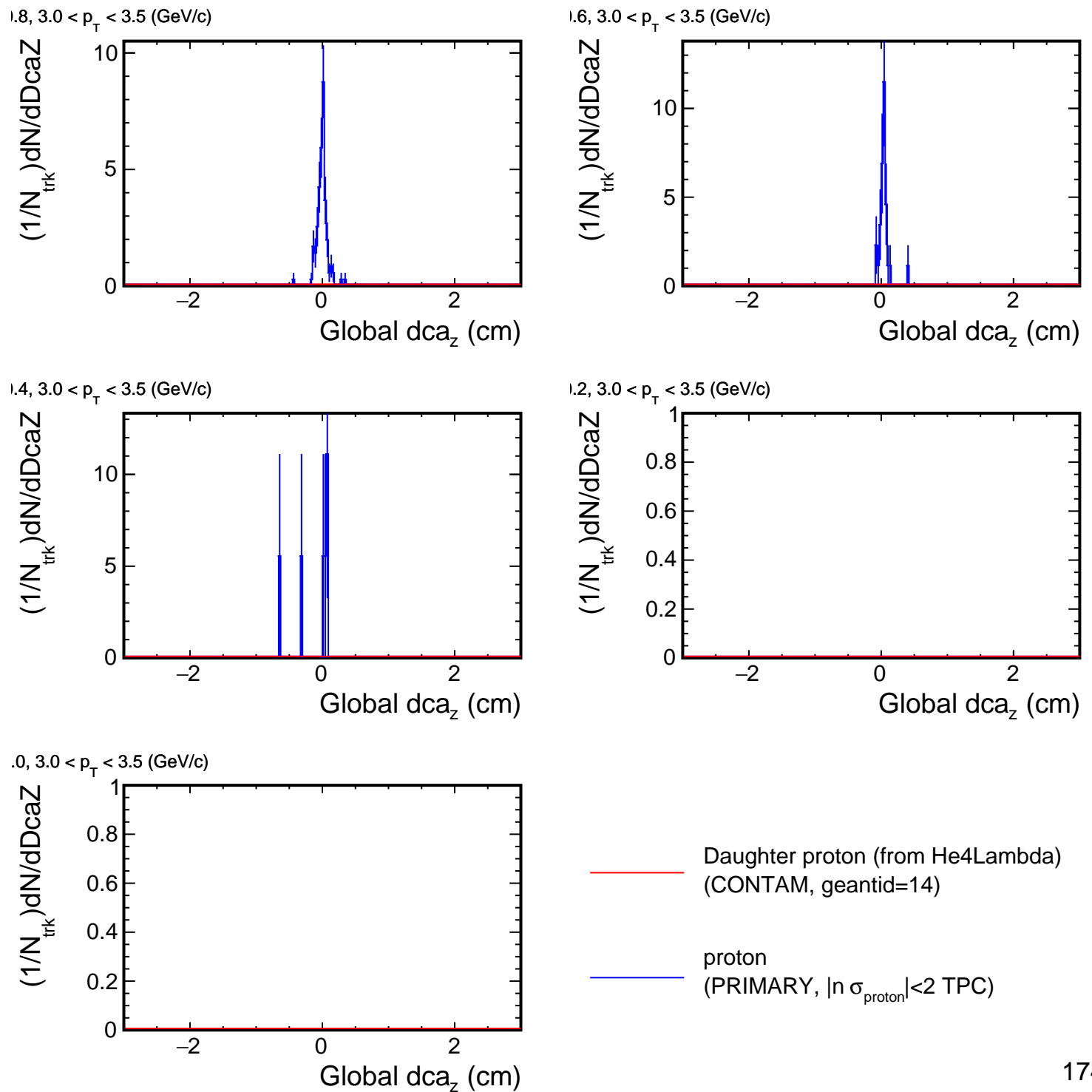
DcaZ distribution for (p_T , η) slices



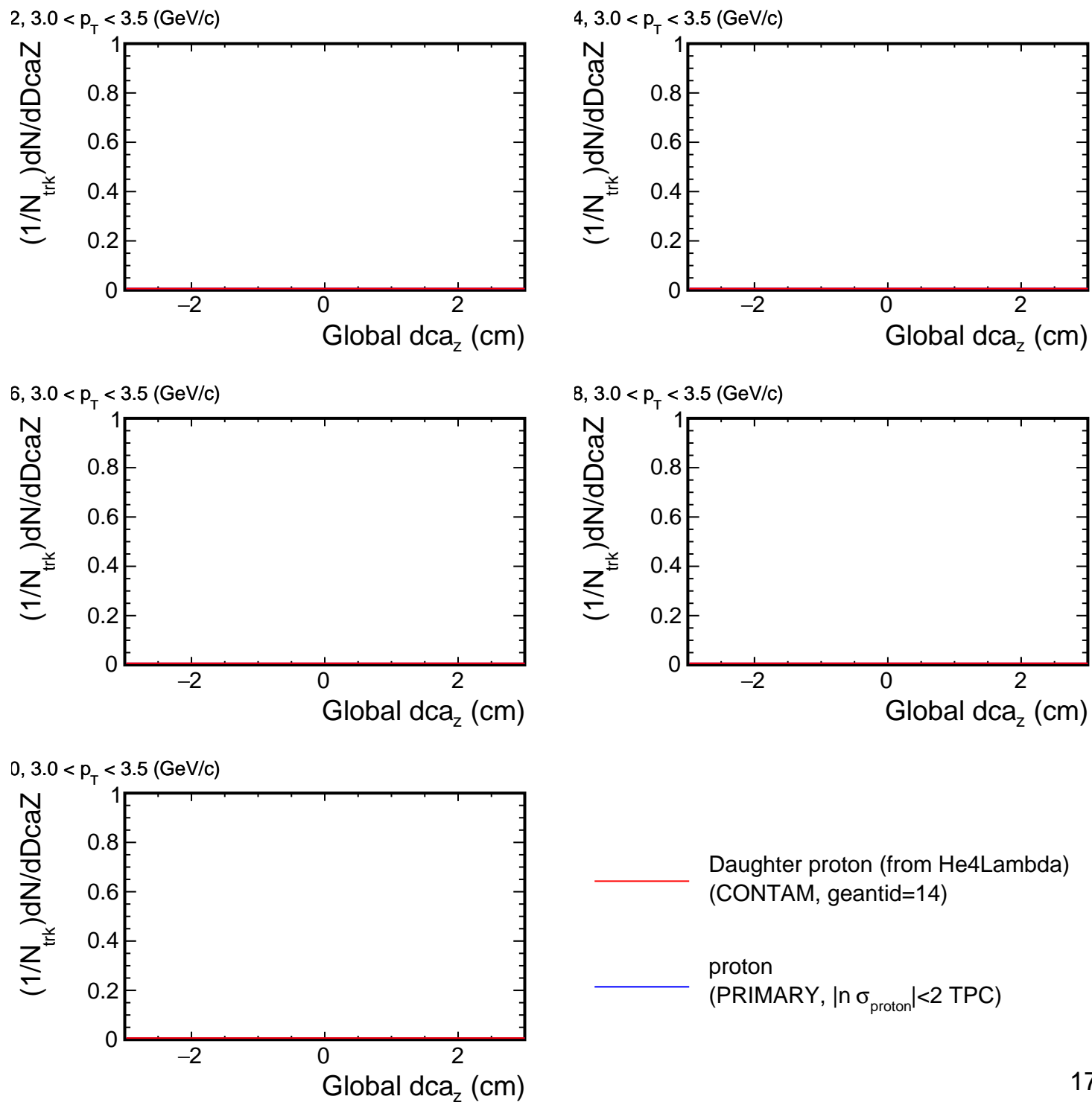
DcaZ distribution for (p_T , η) slices



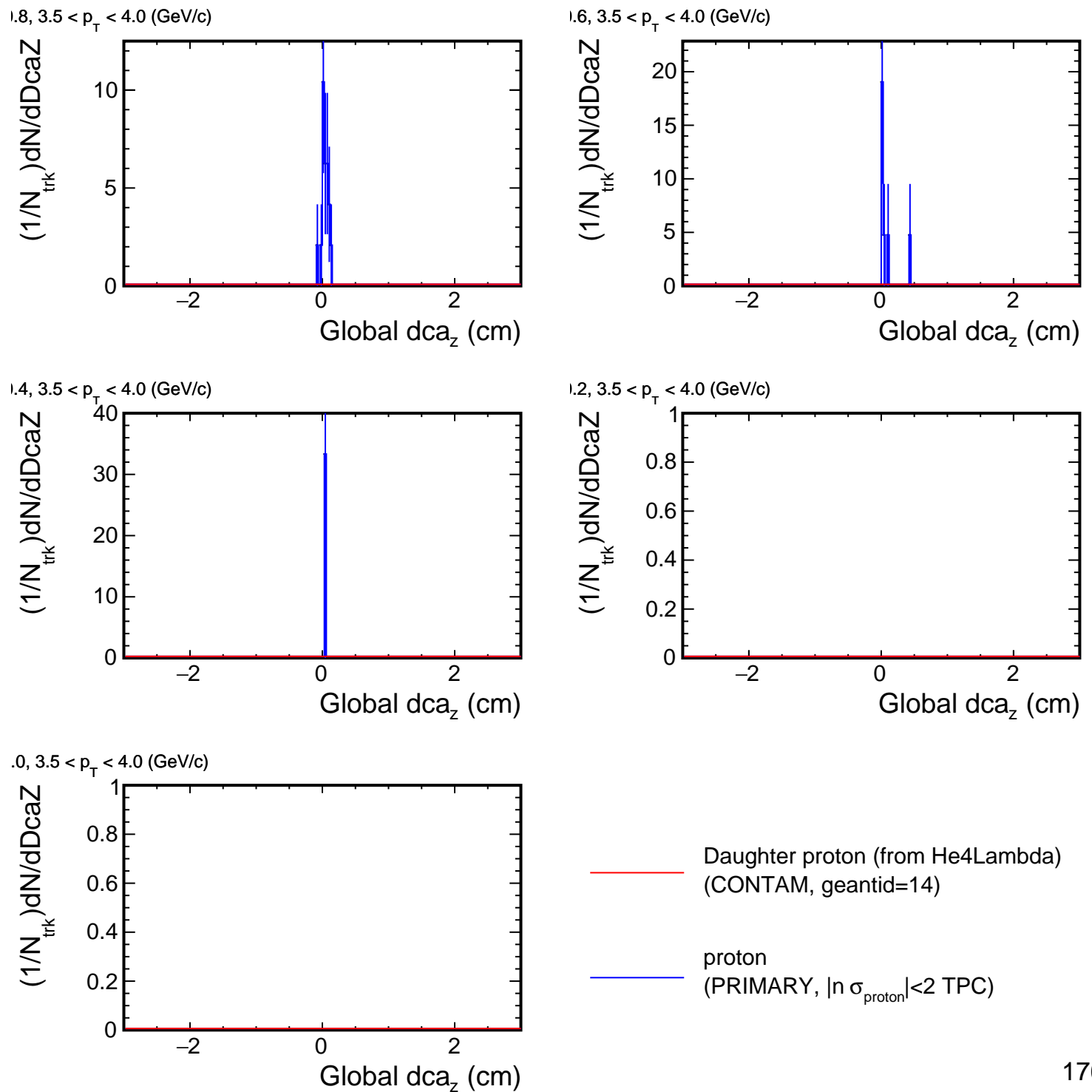
DcaZ distribution for (p_T , η) slices



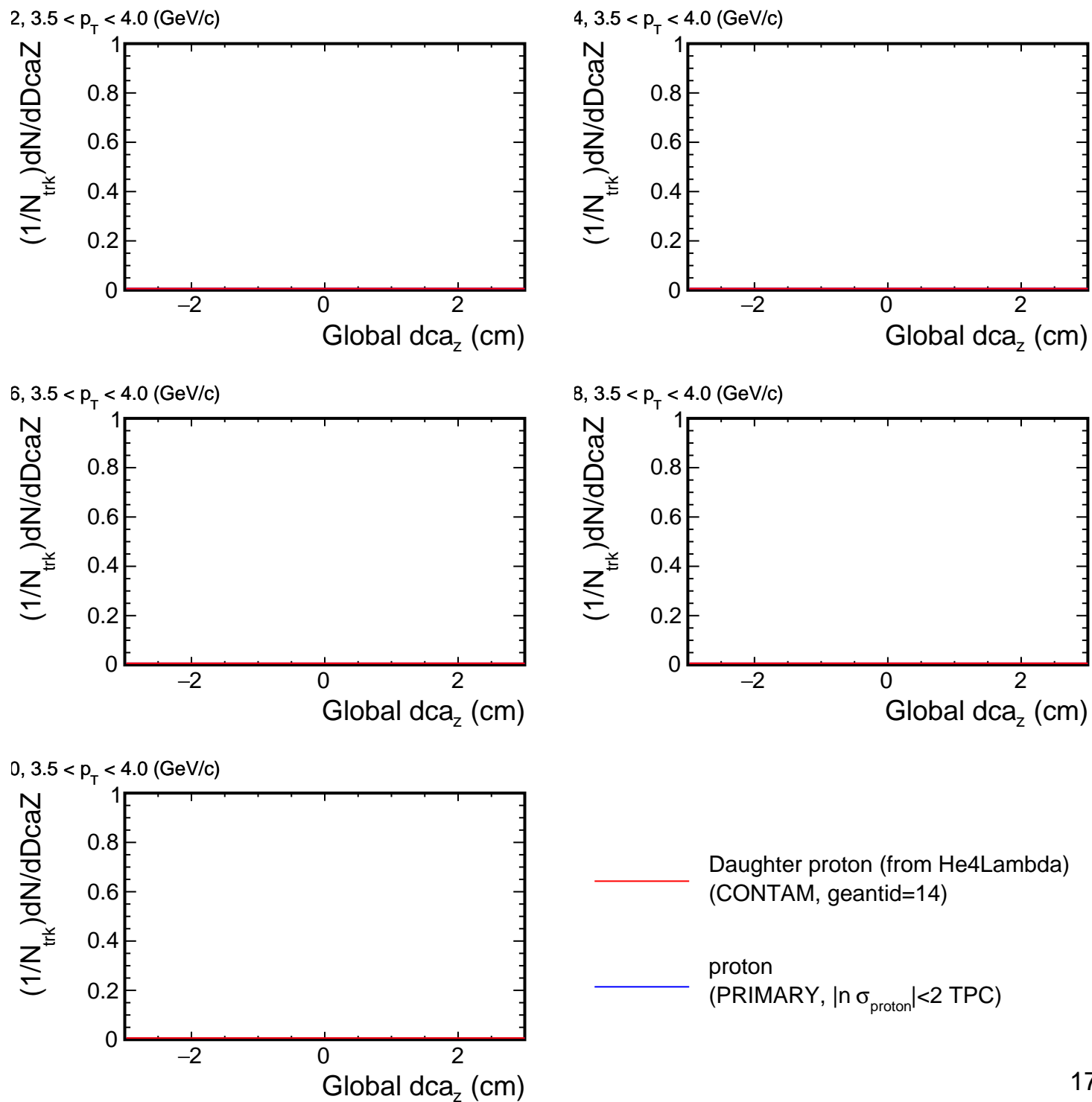
DcaZ distribution for (p_T , η) slices



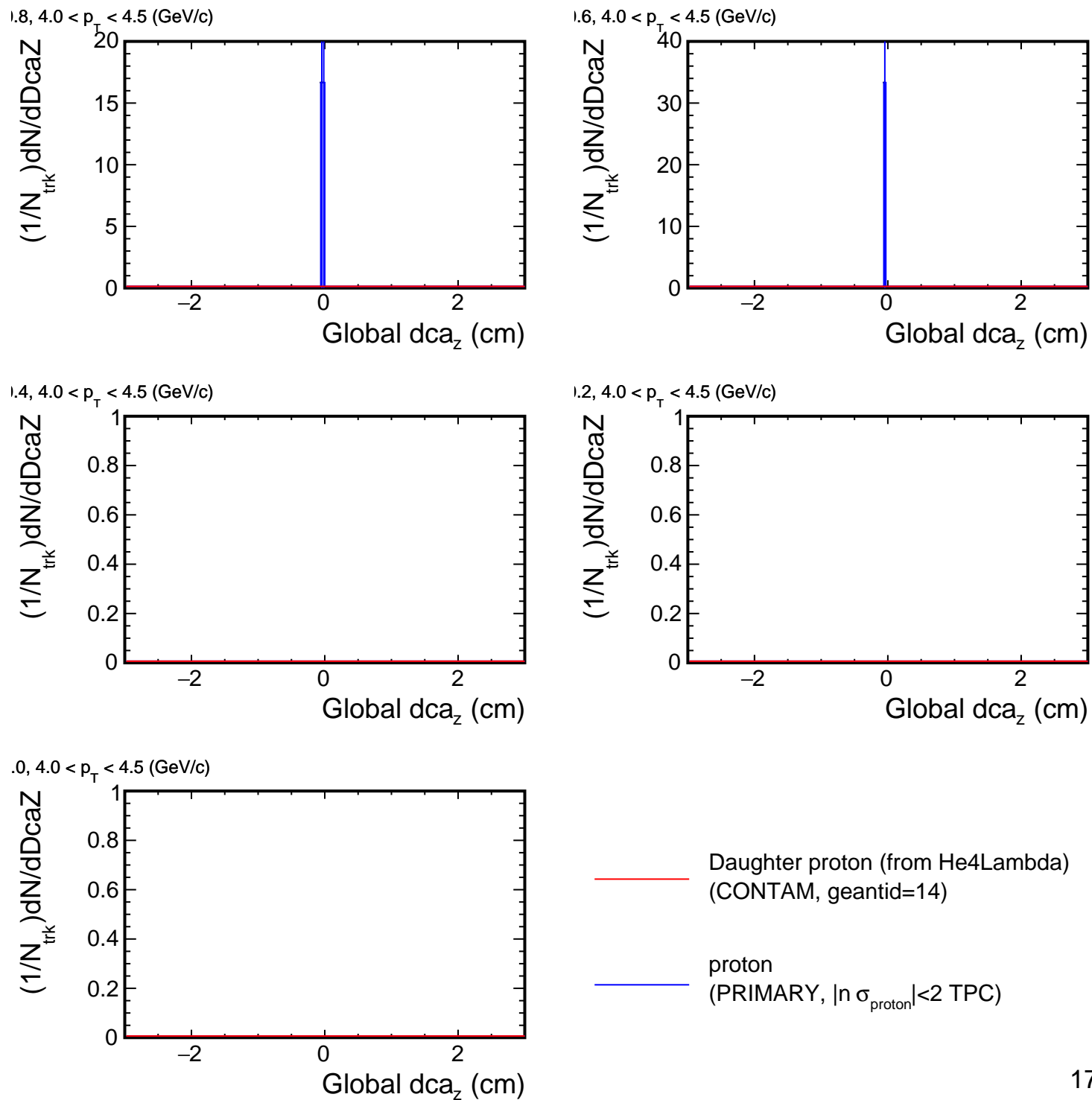
DcaZ distribution for (p_T , η) slices



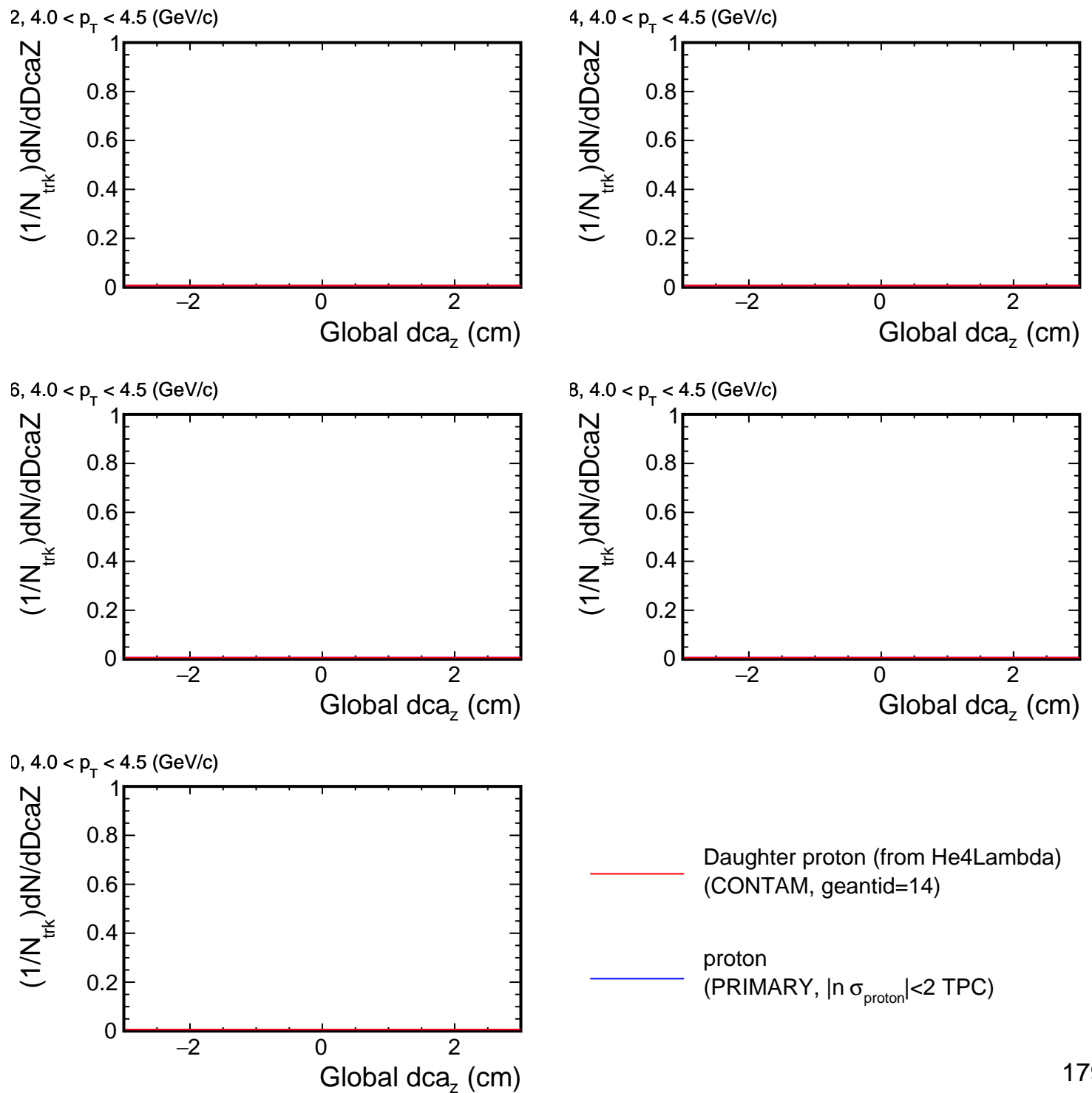
DcaZ distribution for (p_T , η) slices



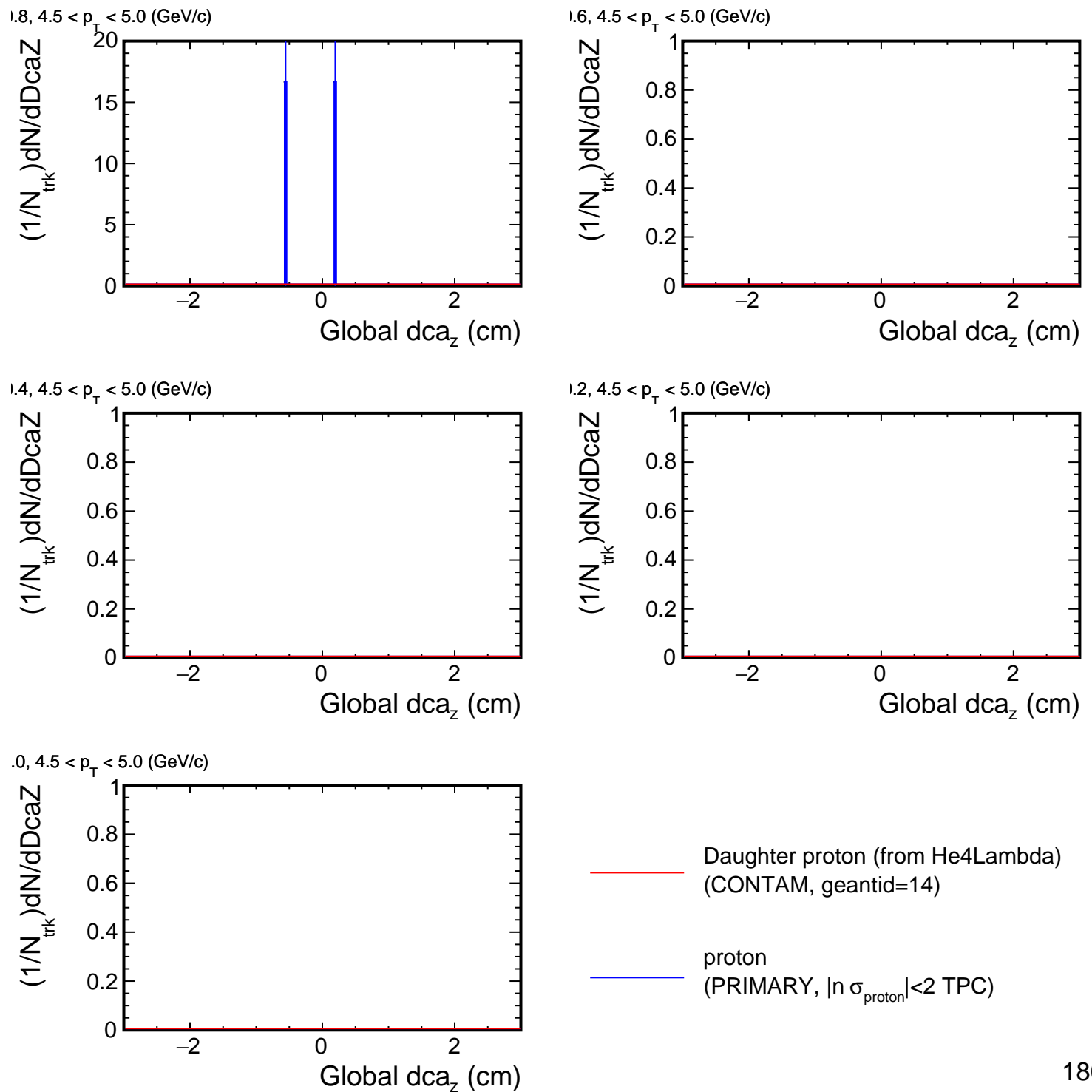
DcaZ distribution for (p_T , η) slices



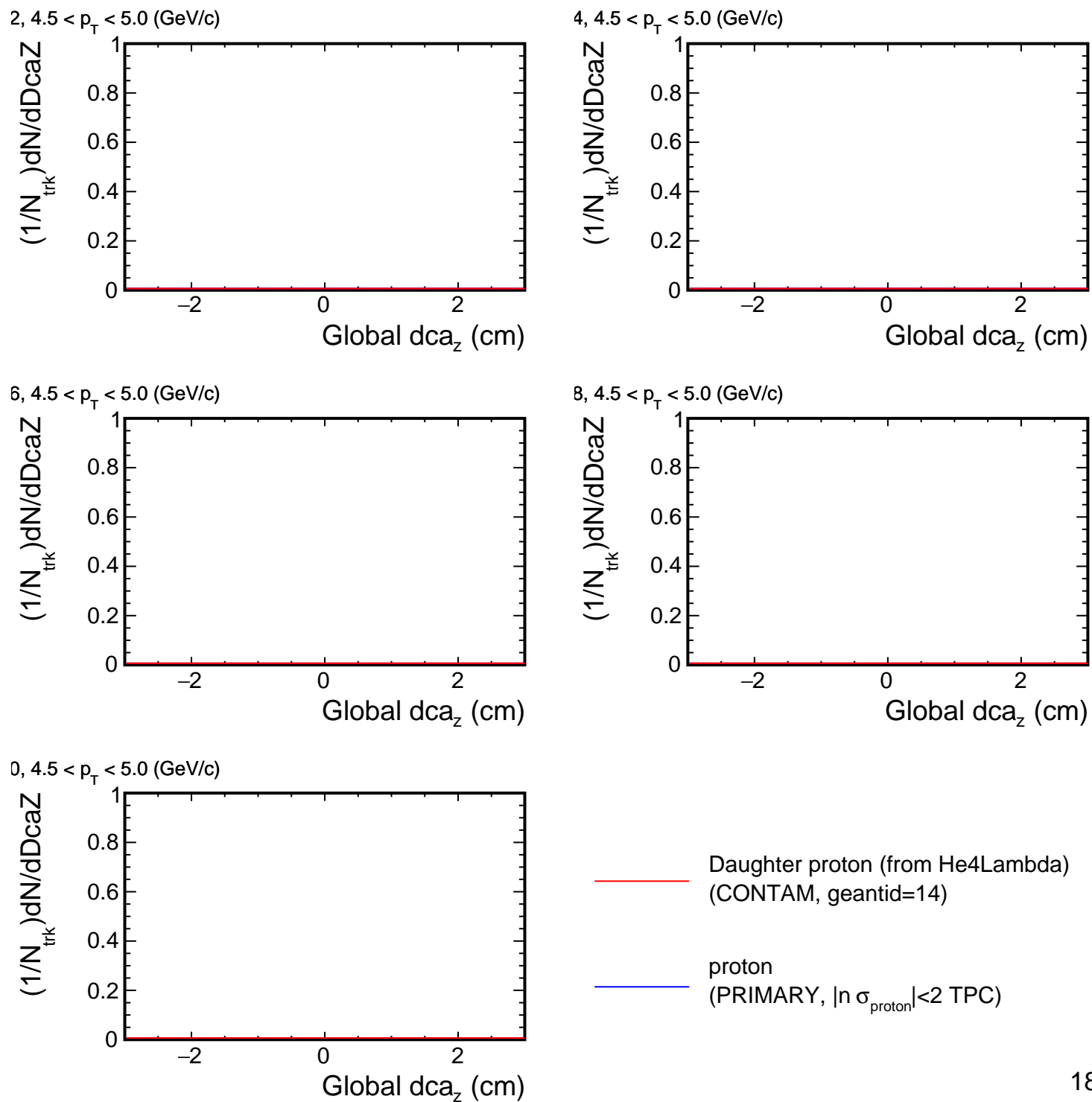
DcaZ distribution for (p_T , η) slices



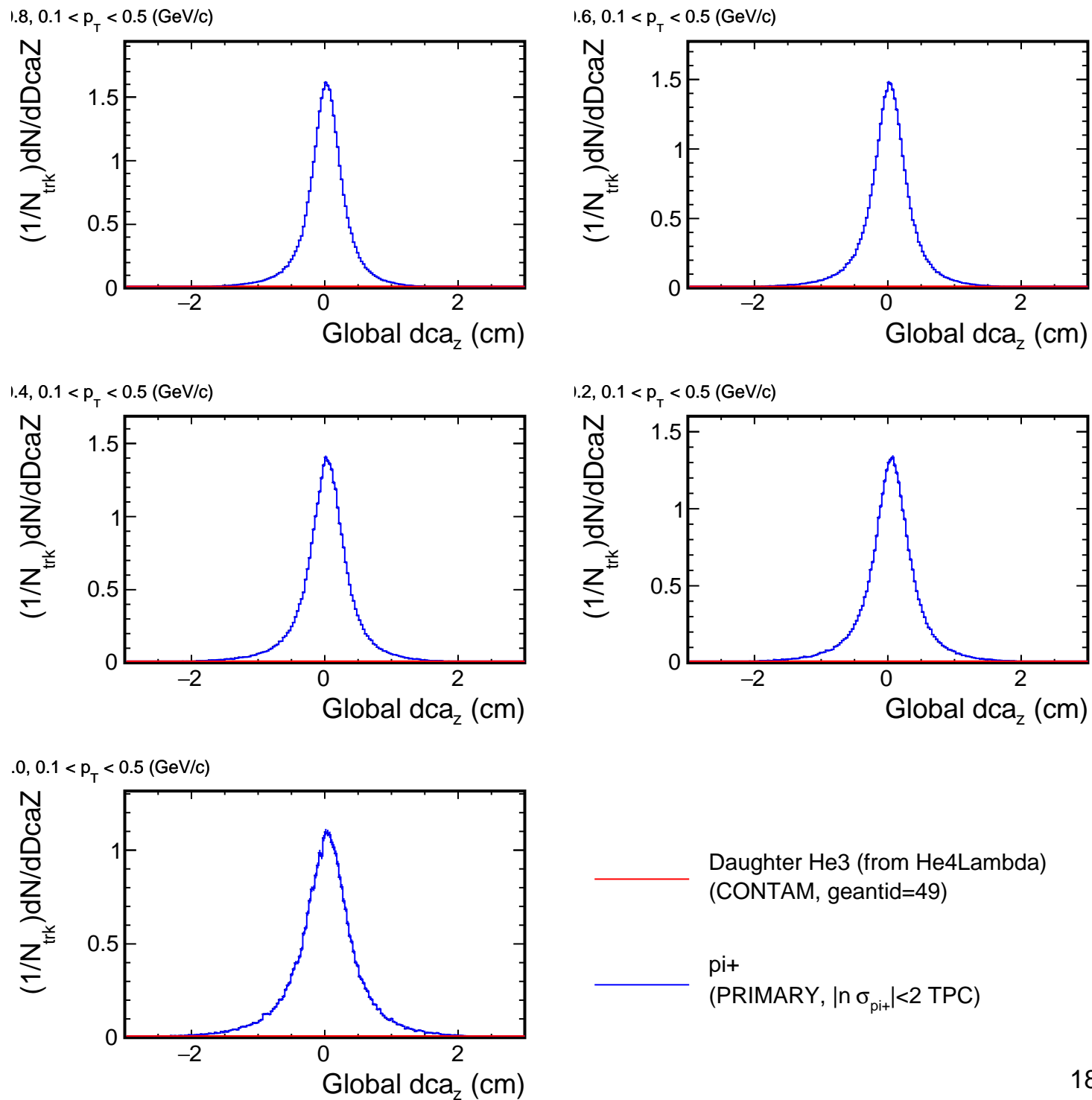
DcaZ distribution for (p_T , η) slices



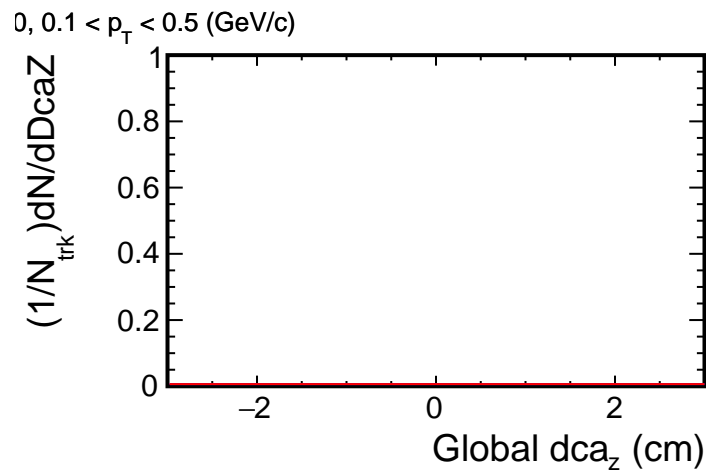
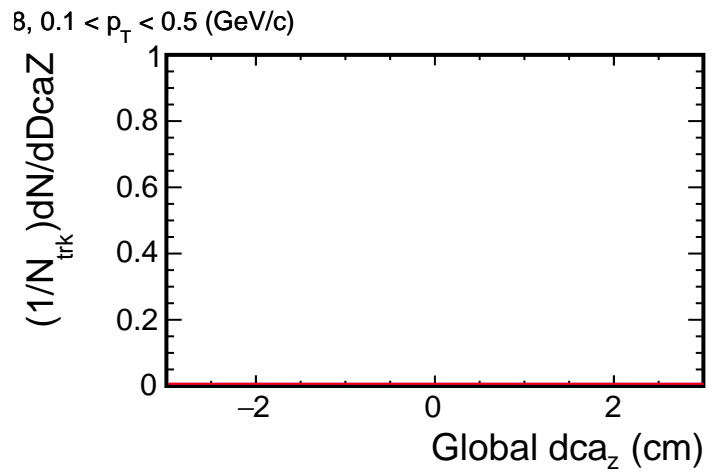
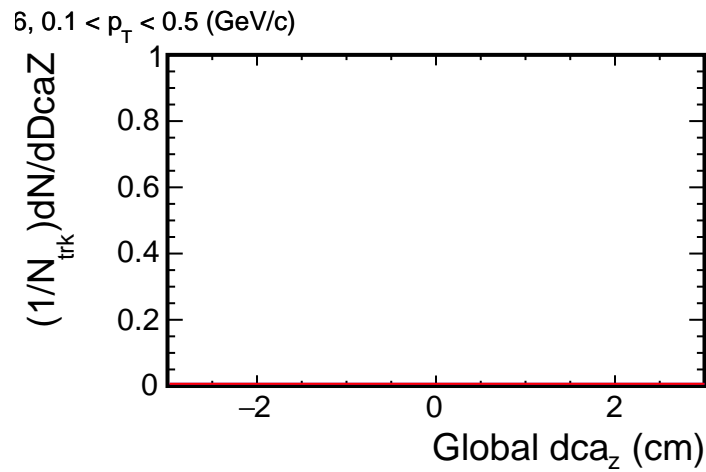
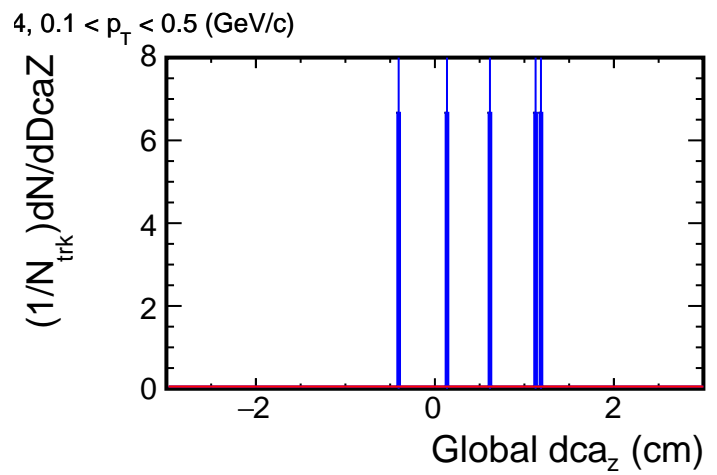
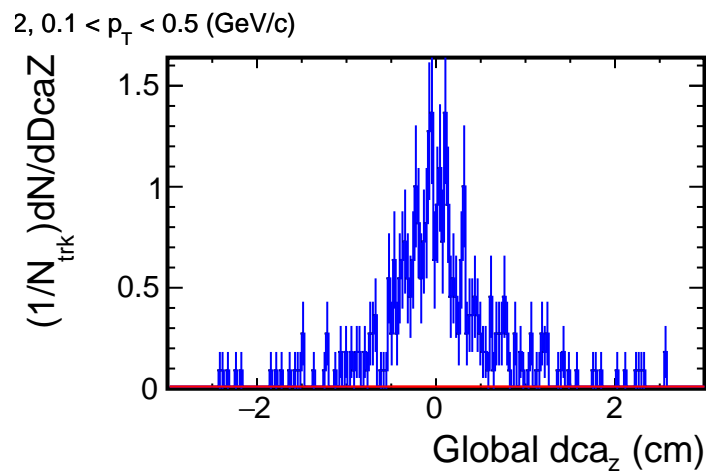
DcaZ distribution for (p_T , η) slices



DcaZ distribution for (p_T , η) slices



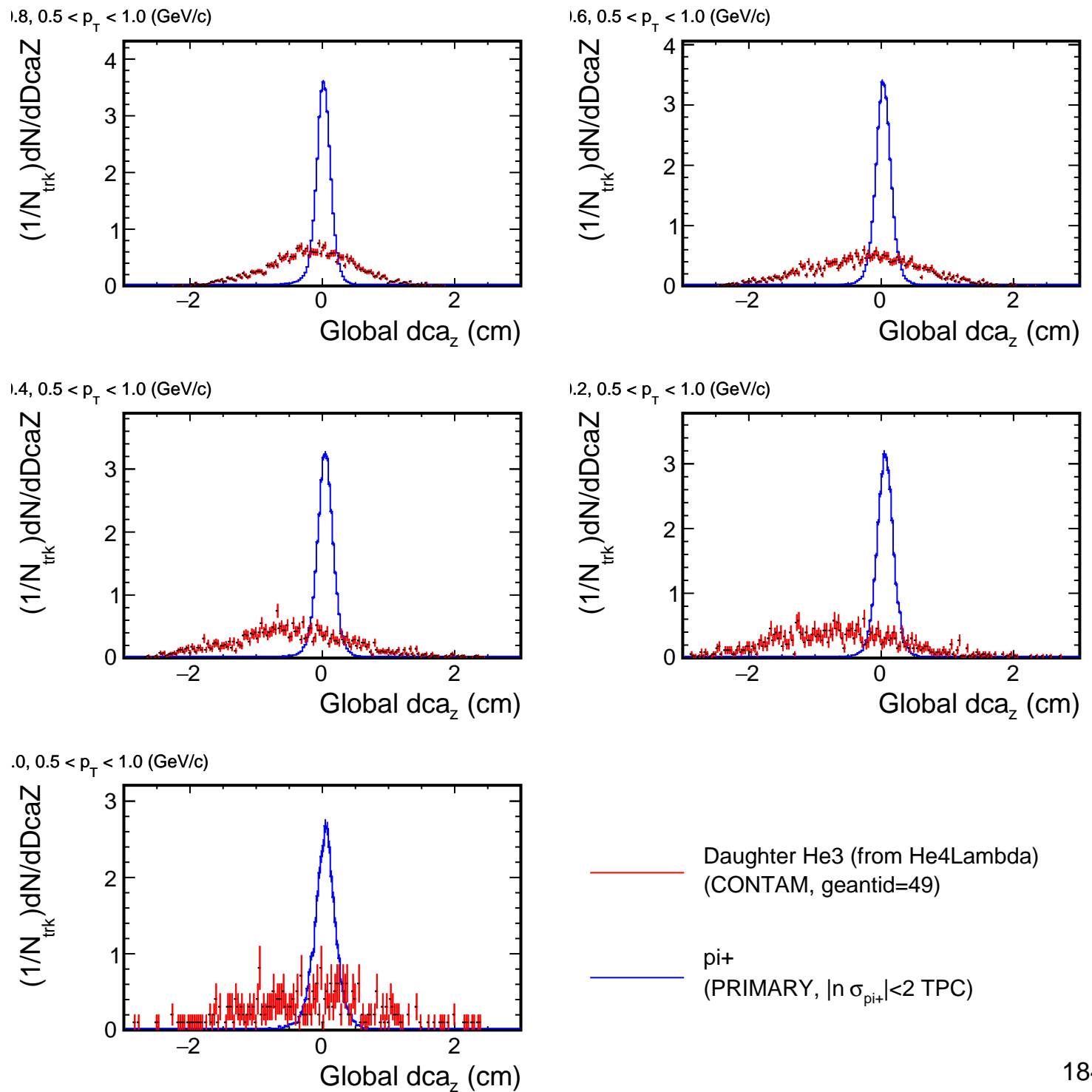
DcaZ distribution for (p_T , η) slices



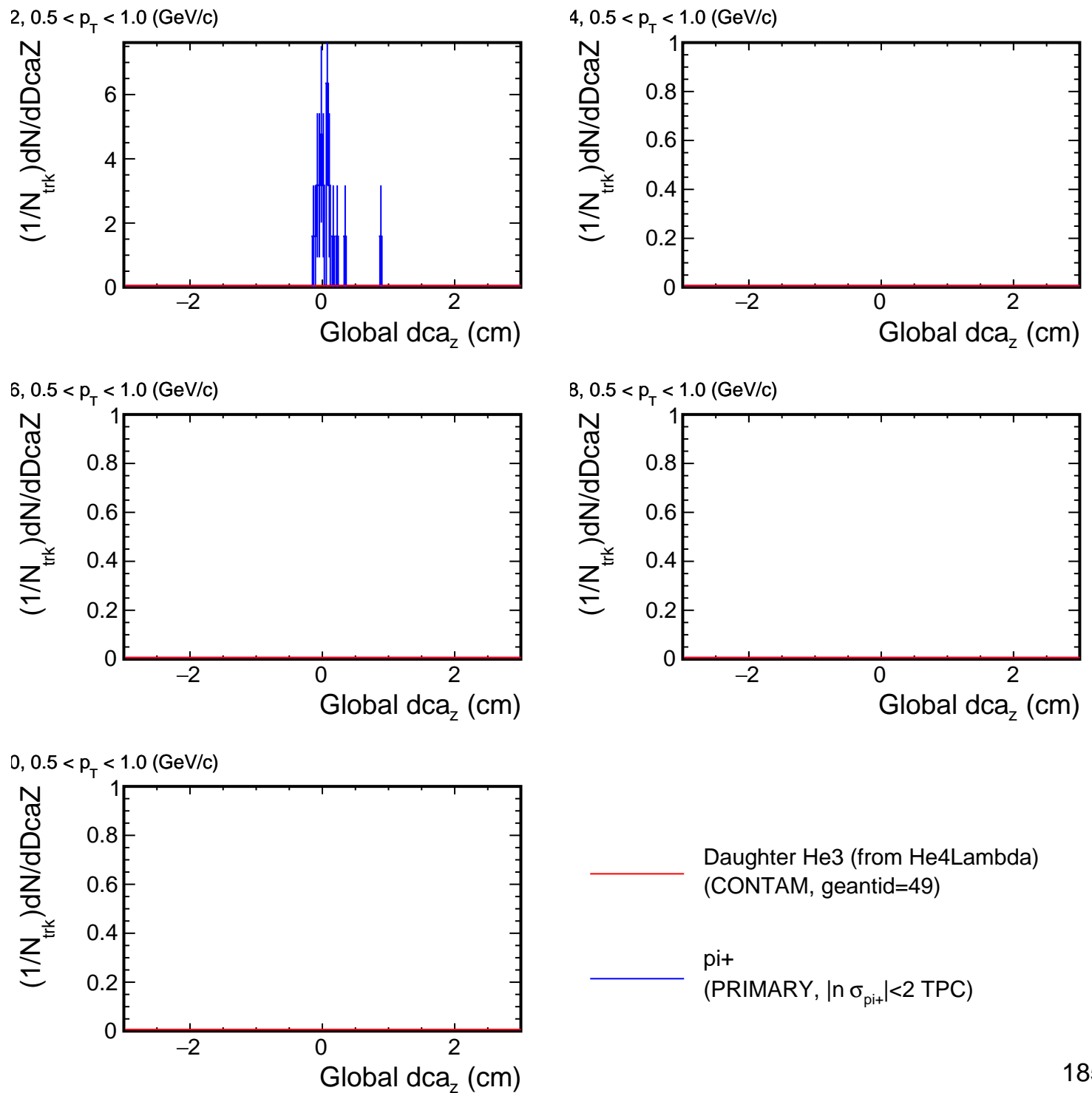
— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

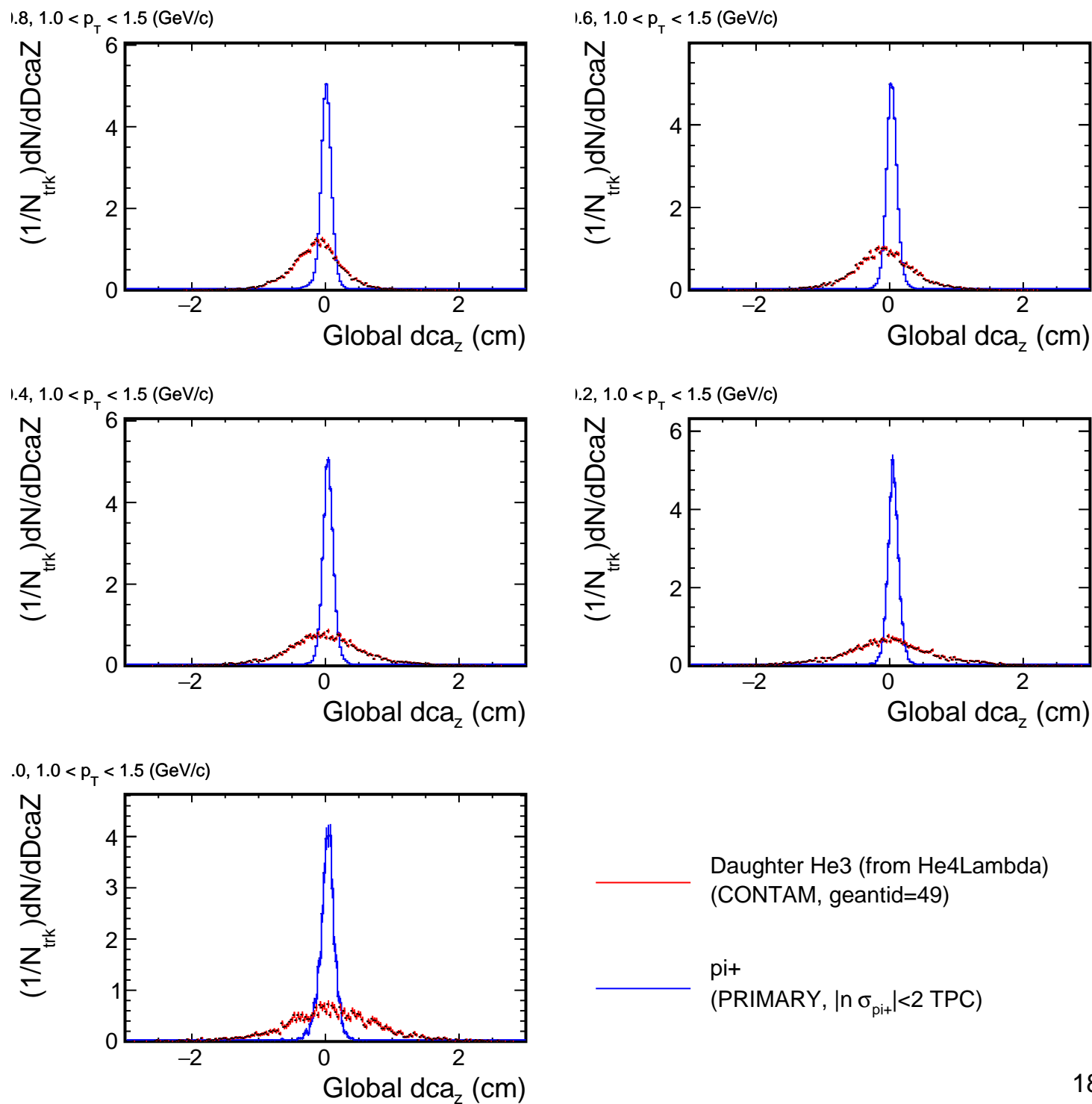
DcaZ distribution for (p_T , η) slices



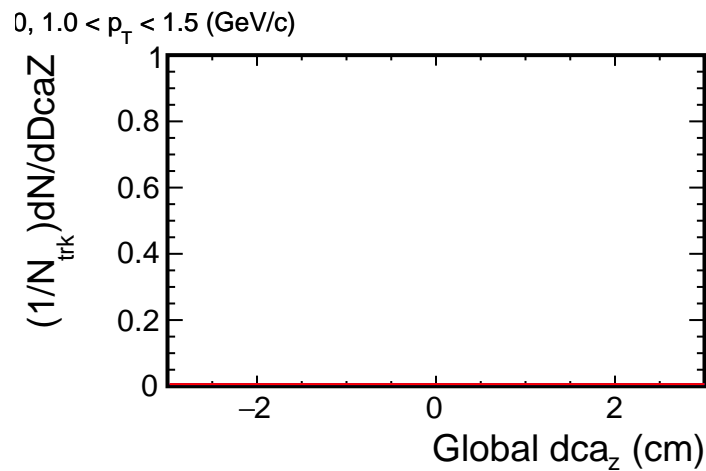
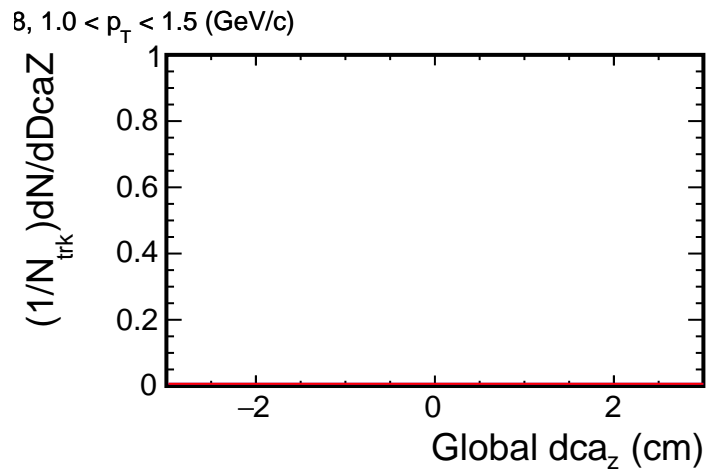
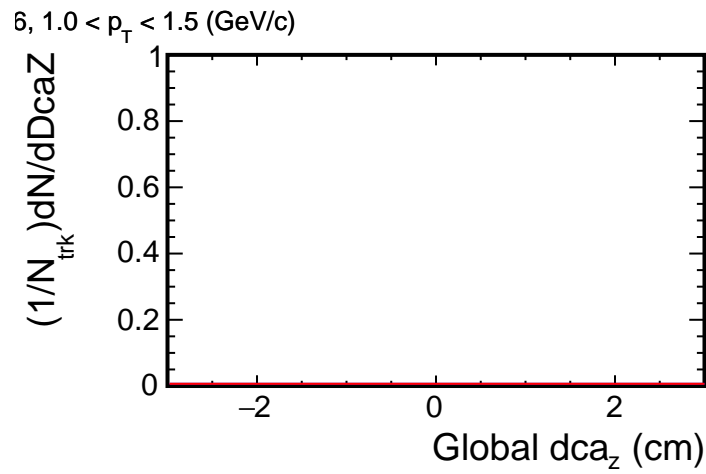
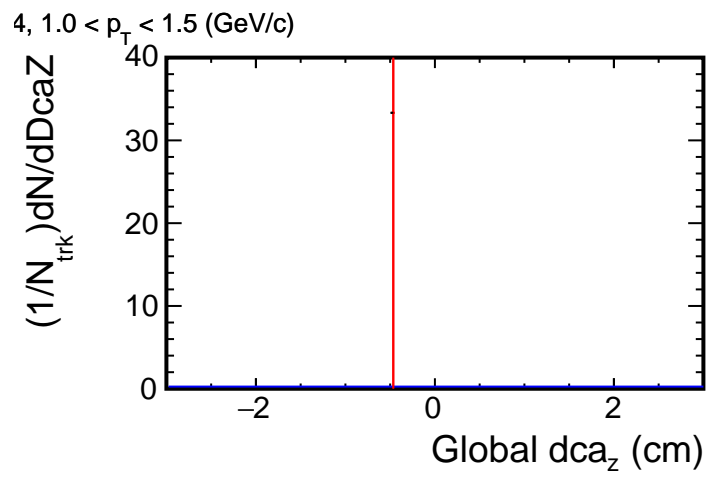
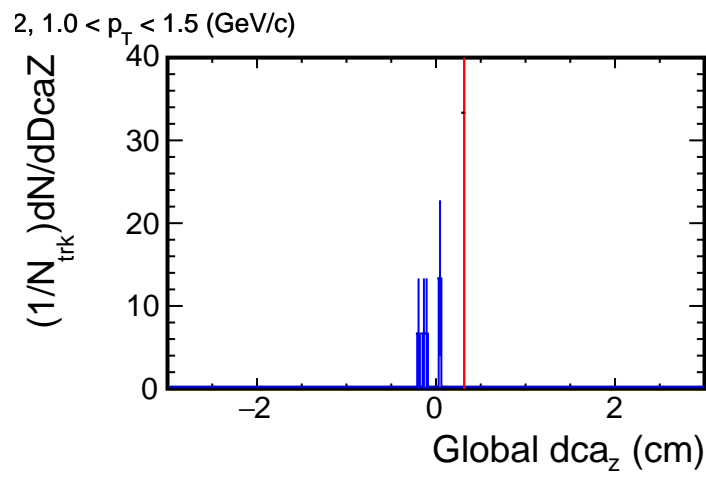
DcaZ distribution for (p_T , η) slices



DcaZ distribution for (p_T , η) slices



DcaZ distribution for (p_T , η) slices

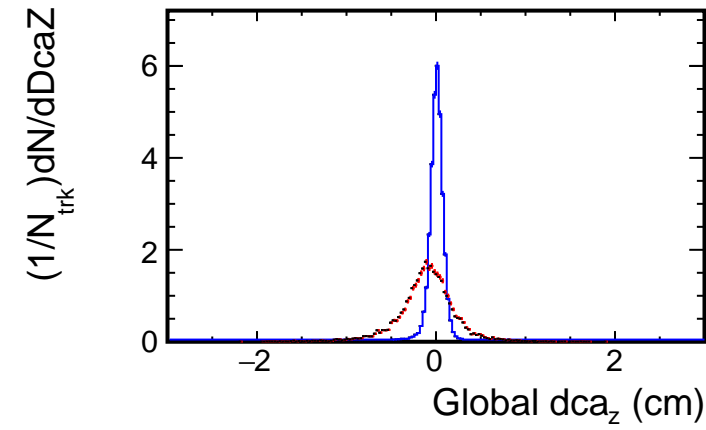


— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

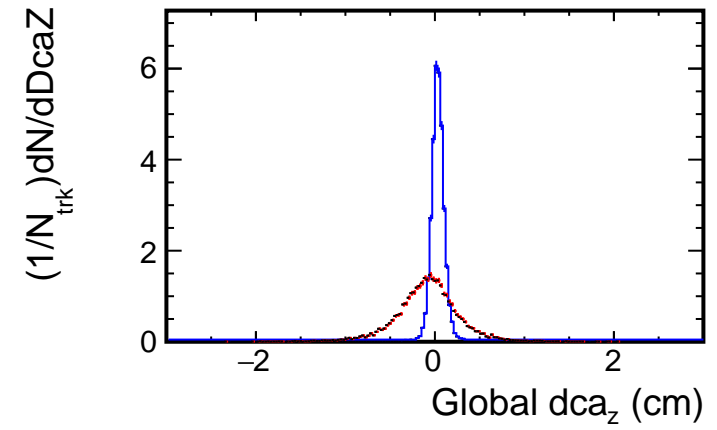
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

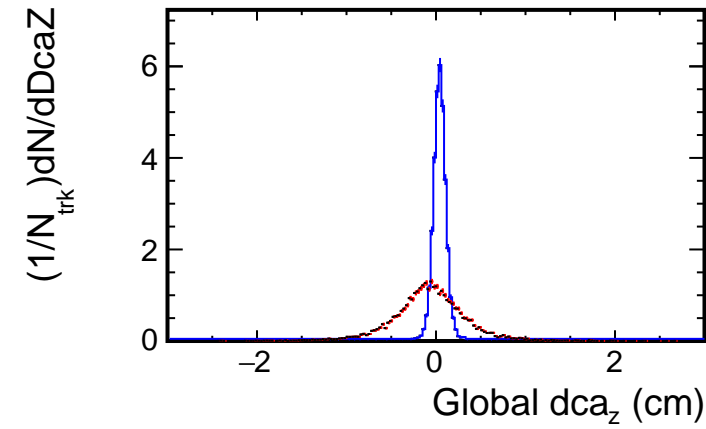
1.8, $1.5 < p_T < 2.0$ (GeV/c)



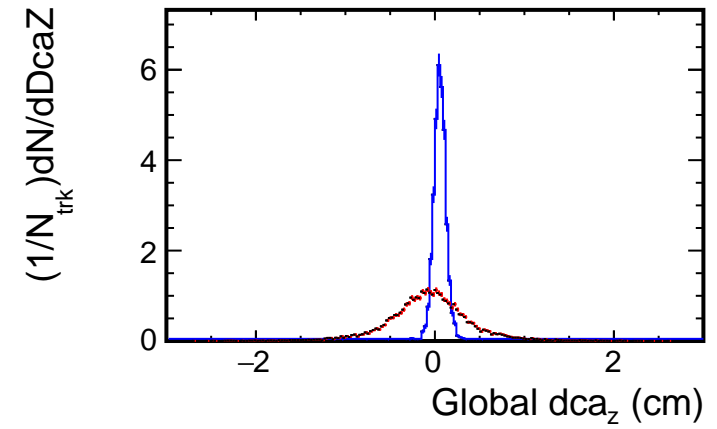
1.6, $1.5 < p_T < 2.0$ (GeV/c)



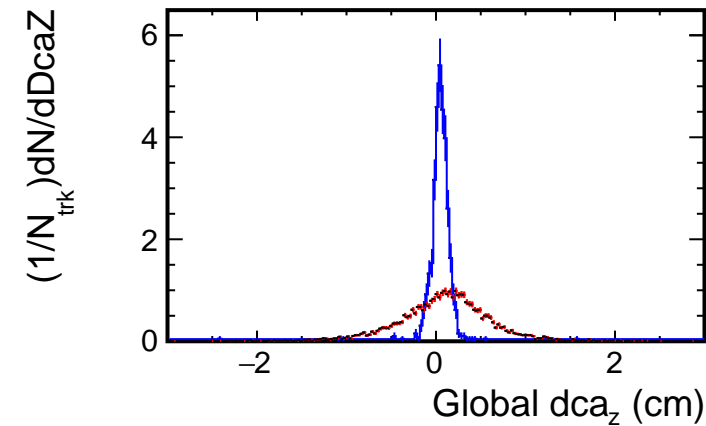
1.4, $1.5 < p_T < 2.0$ (GeV/c)



1.2, $1.5 < p_T < 2.0$ (GeV/c)



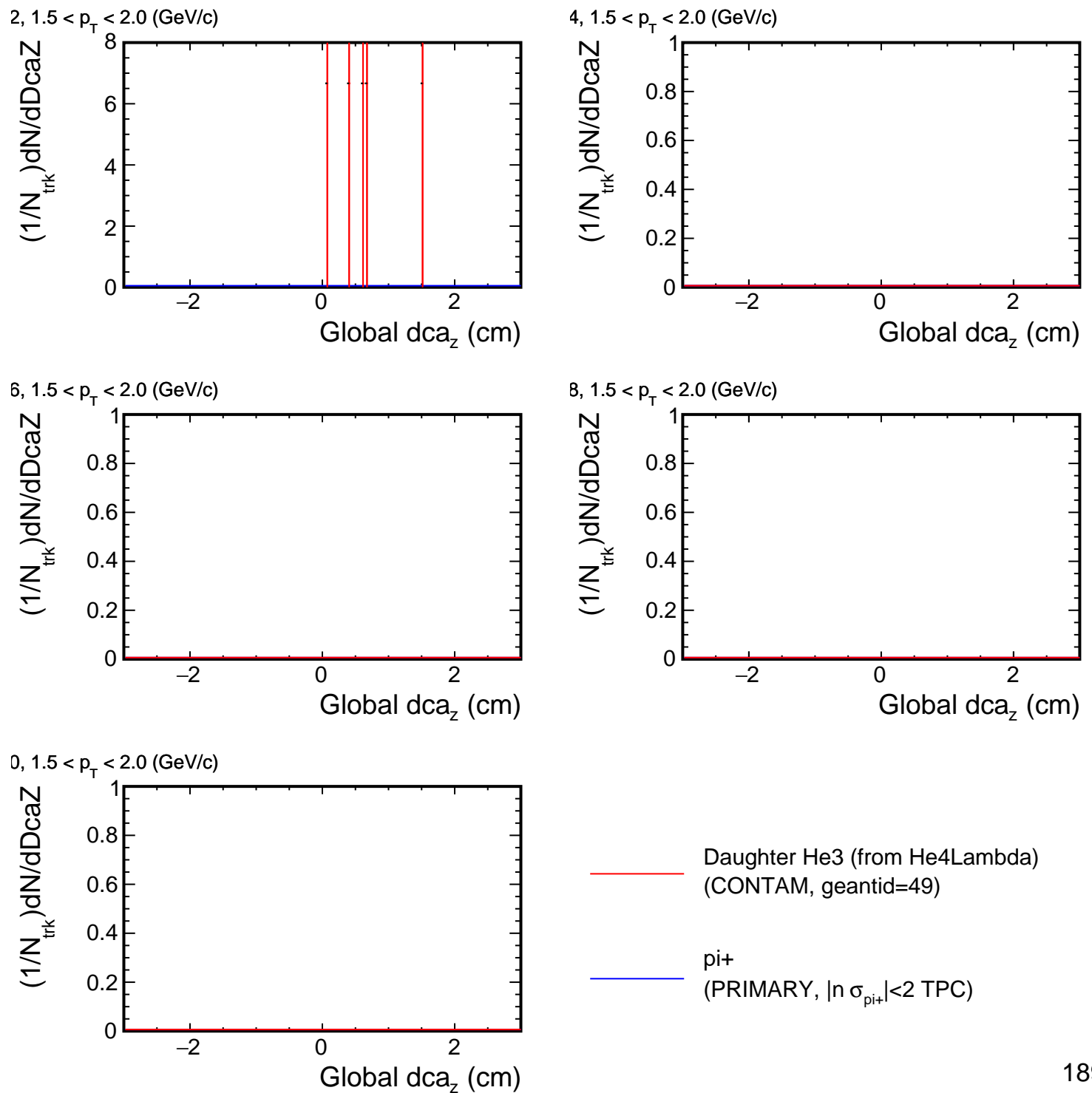
1.0, $1.5 < p_T < 2.0$ (GeV/c)



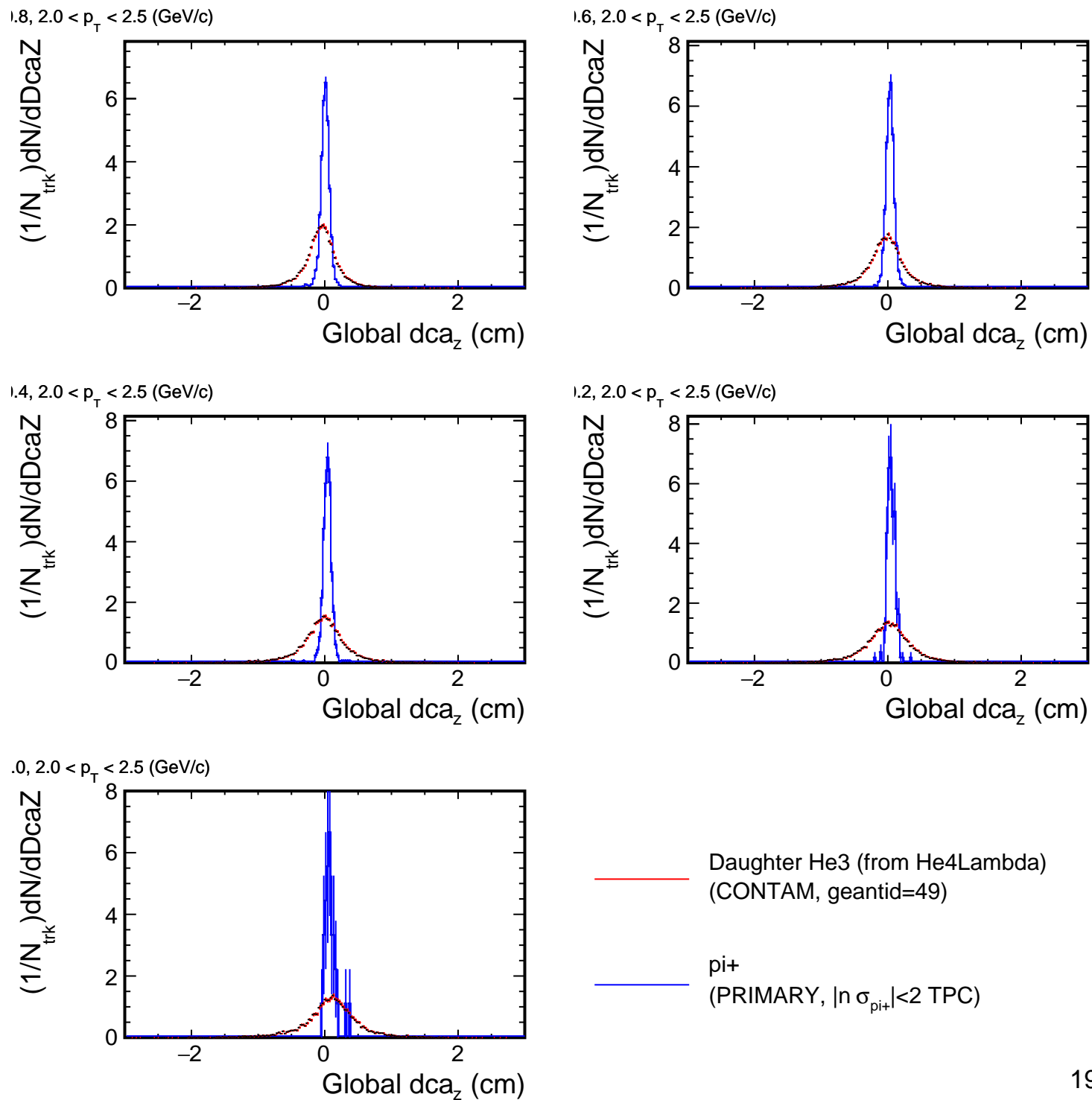
— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

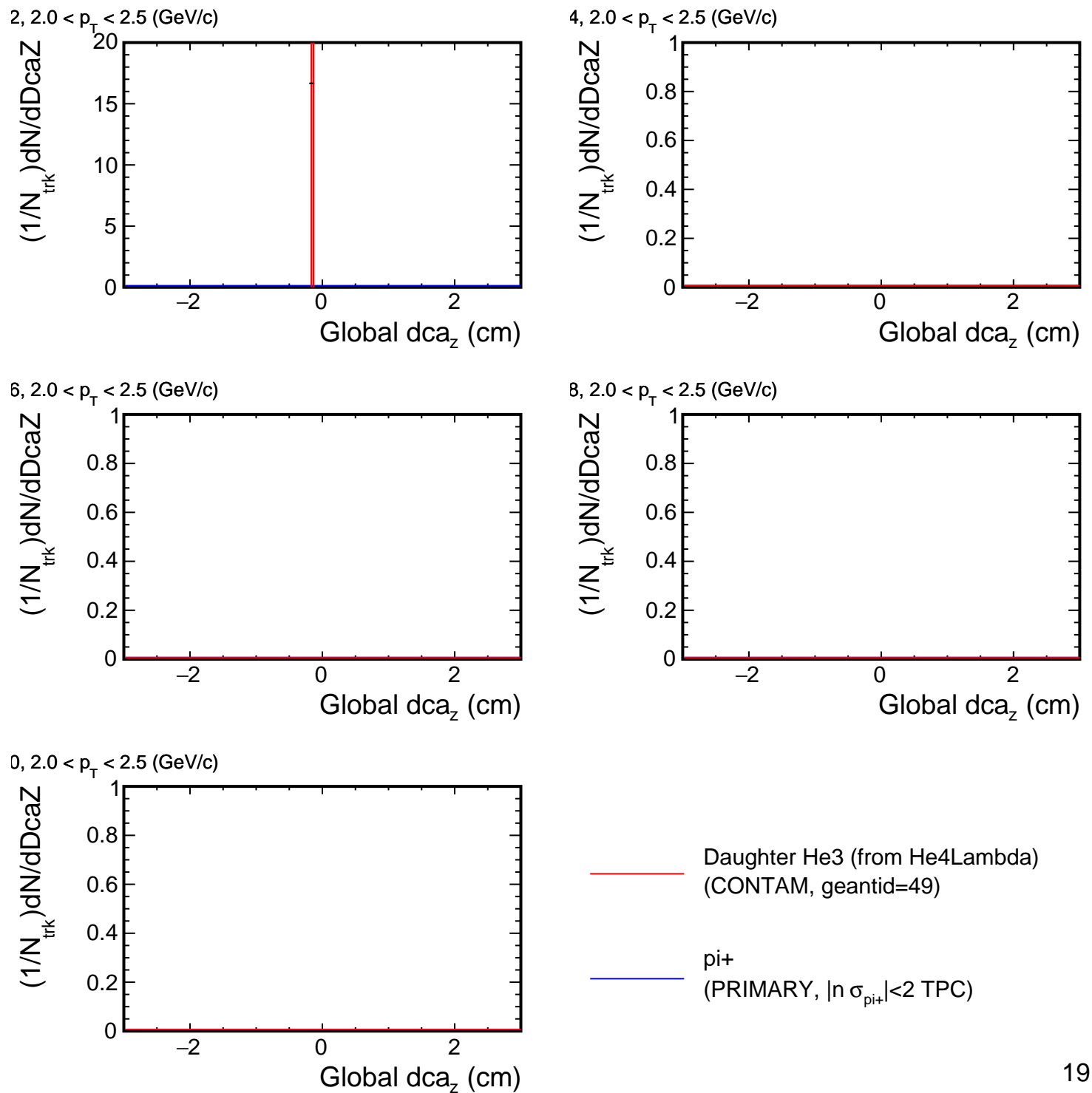
DcaZ distribution for (p_T , η) slices



DcaZ distribution for (p_T , η) slices

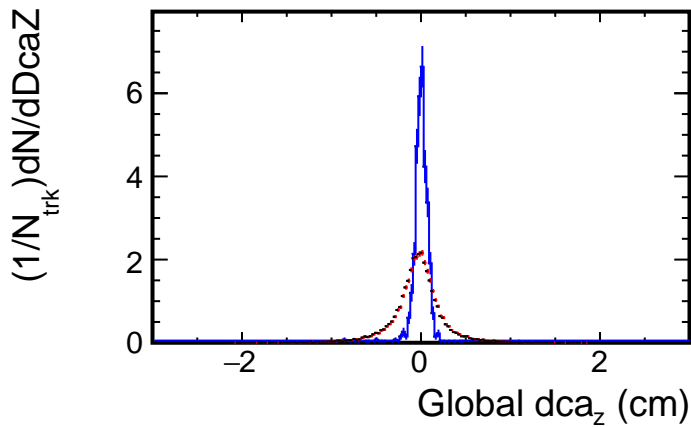


DcaZ distribution for (p_T , η) slices

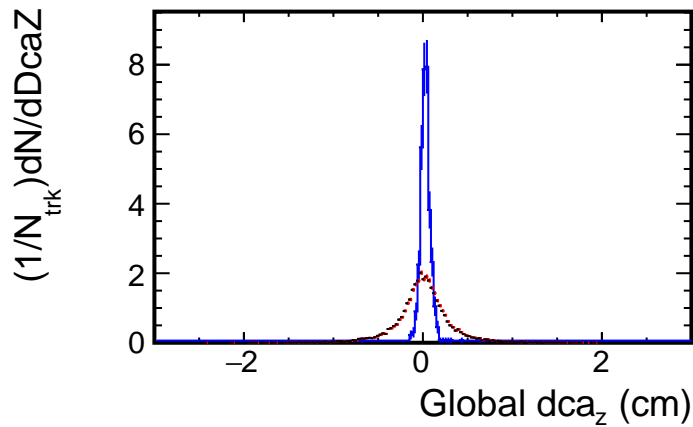


DcaZ distribution for (p_T , η) slices

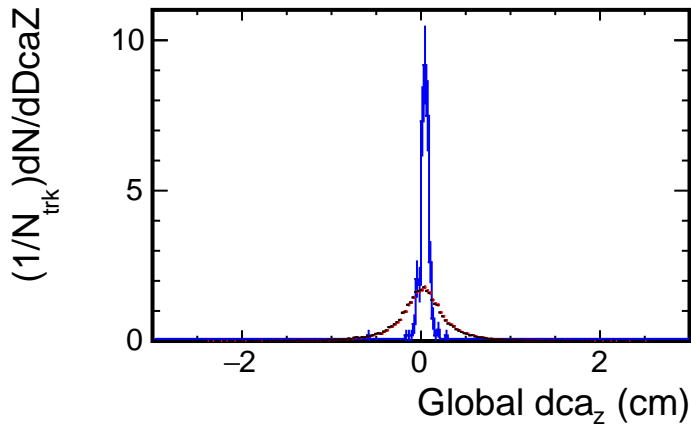
1.8, $2.5 < p_T < 3.0$ (GeV/c)



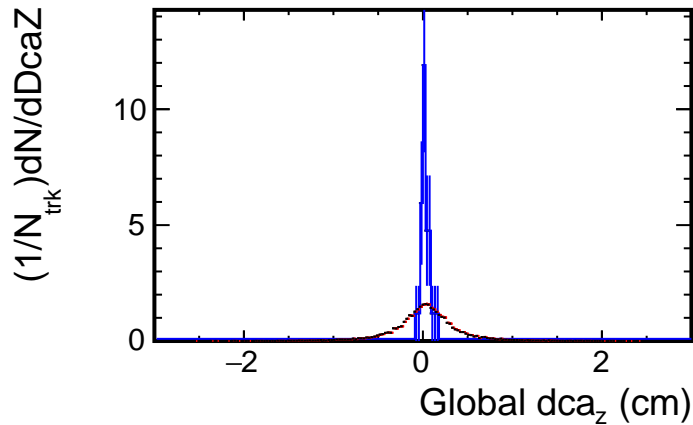
1.6, $2.5 < p_T < 3.0$ (GeV/c)



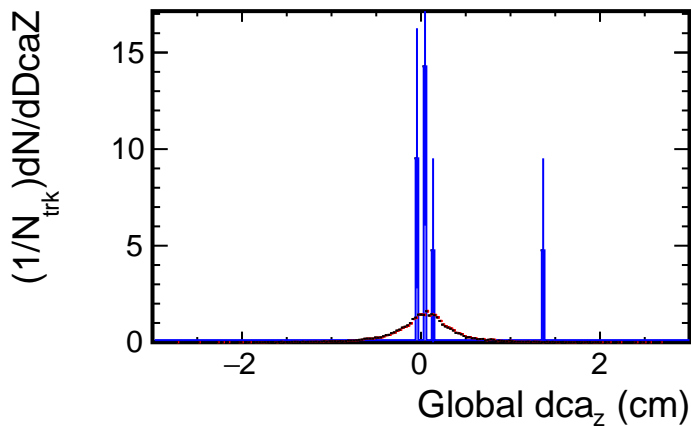
1.4, $2.5 < p_T < 3.0$ (GeV/c)



1.2, $2.5 < p_T < 3.0$ (GeV/c)



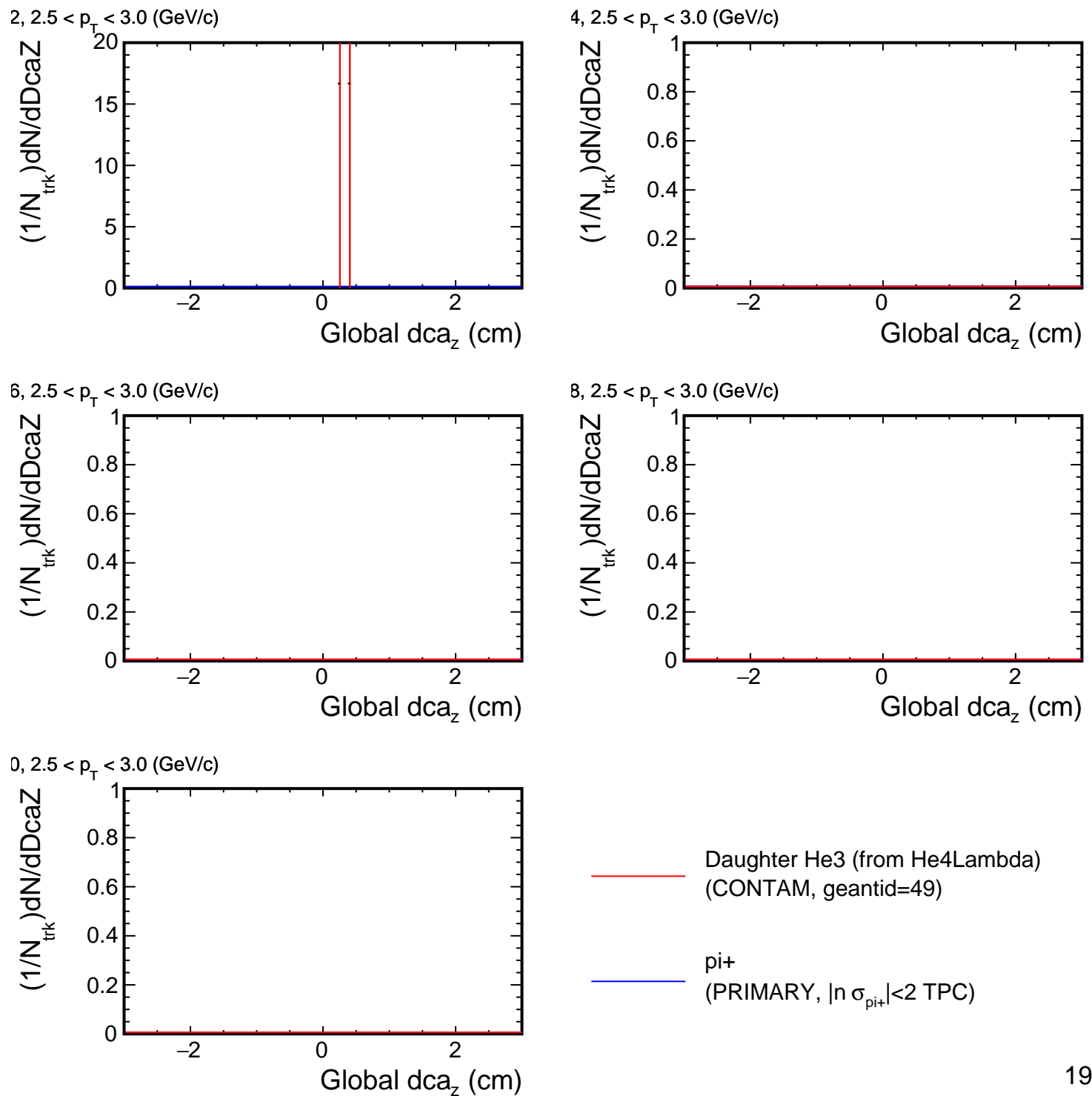
1.0, $2.5 < p_T < 3.0$ (GeV/c)



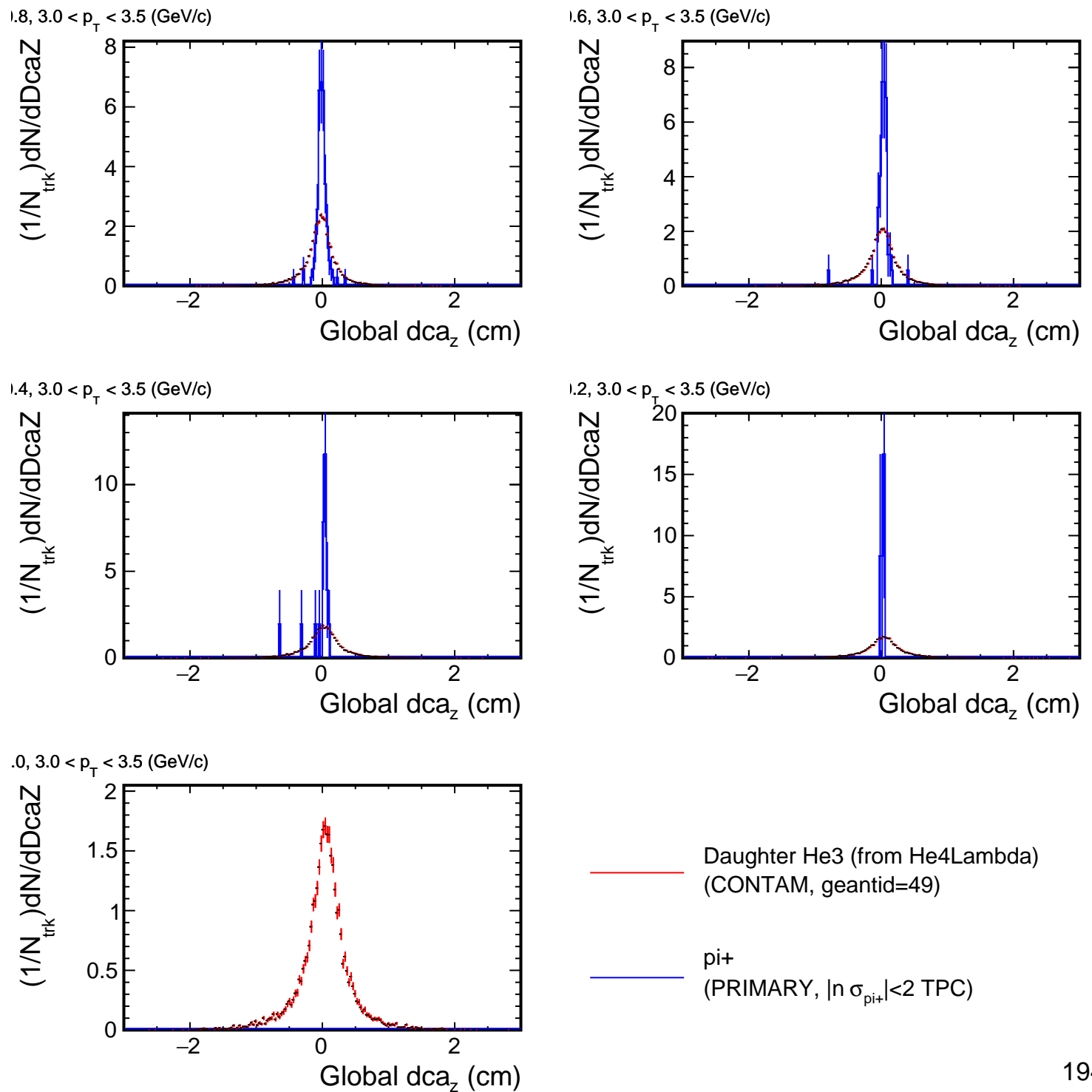
— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

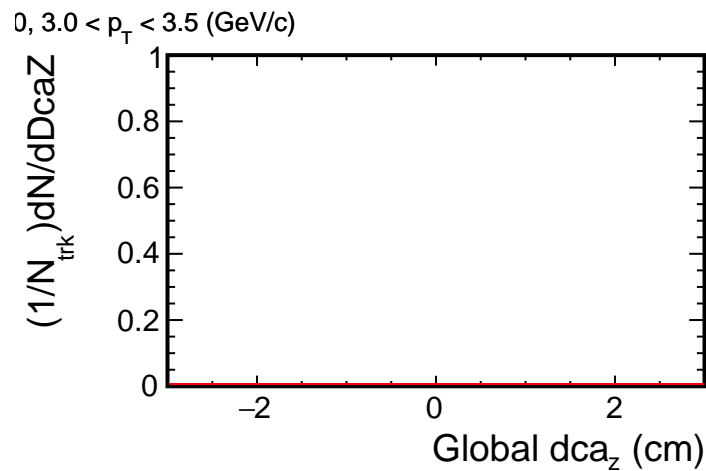
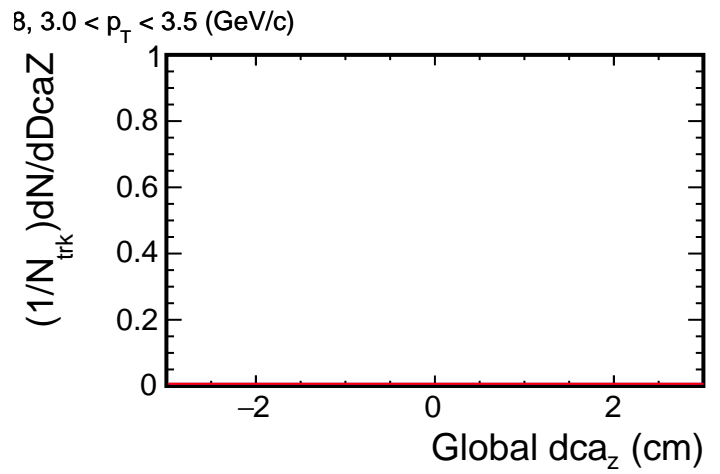
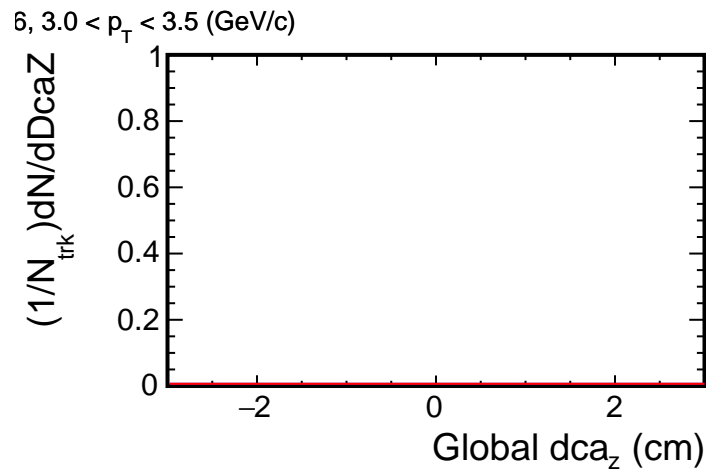
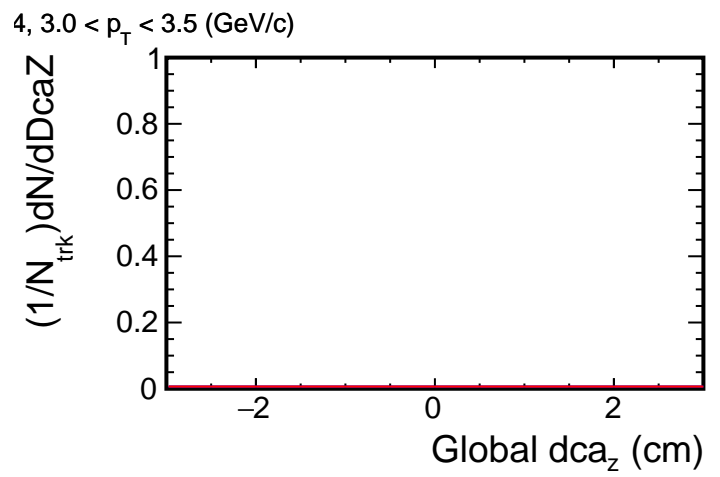
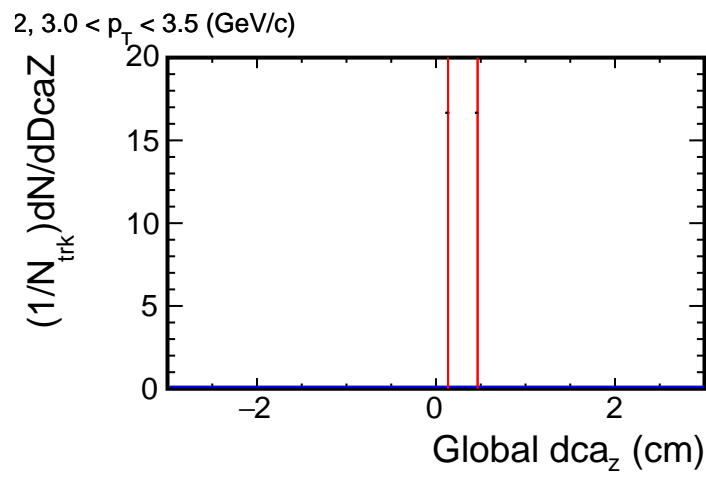
DcaZ distribution for (p_T , η) slices



DcaZ distribution for (p_T , η) slices



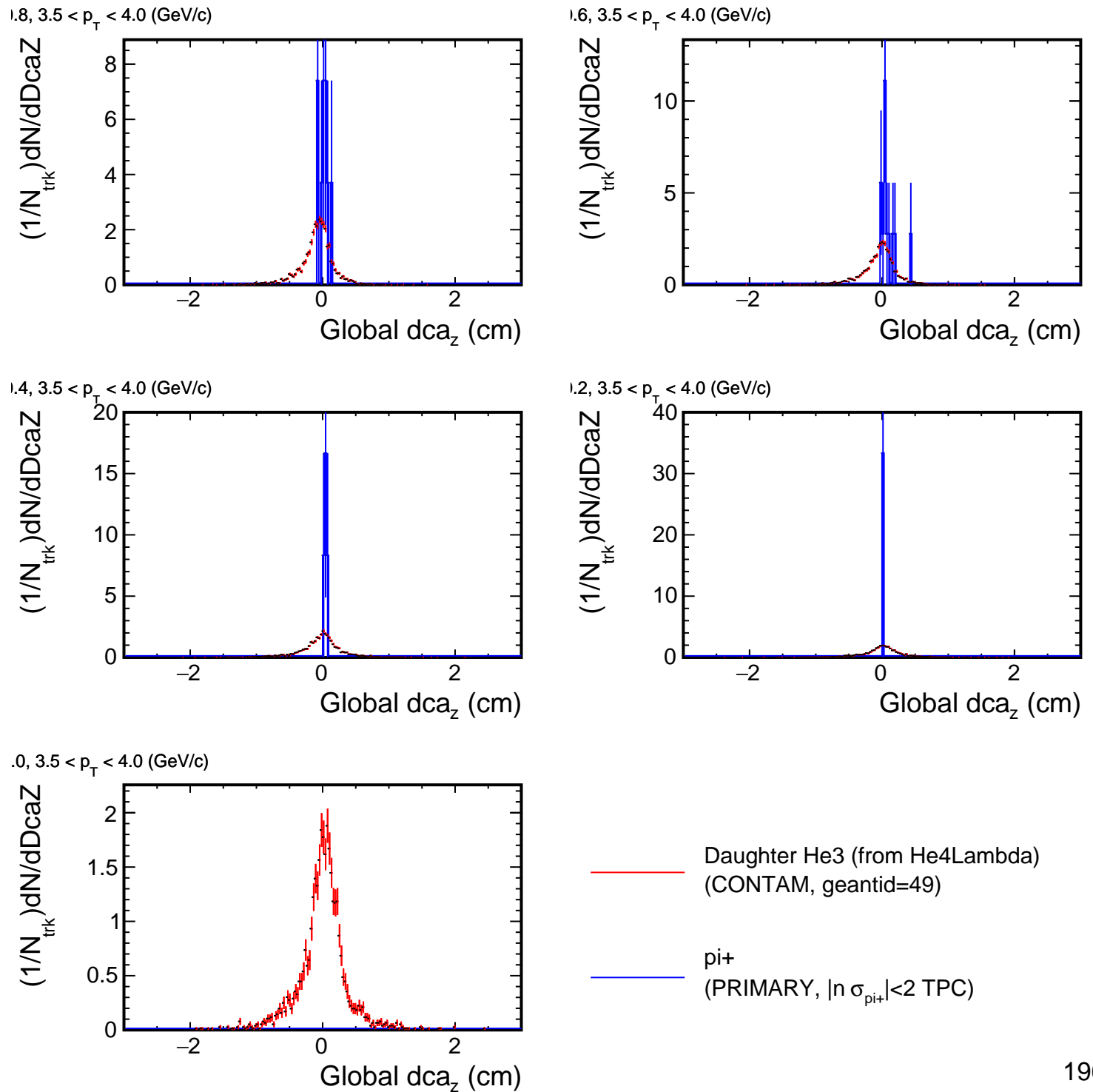
DcaZ distribution for (p_T , η) slices



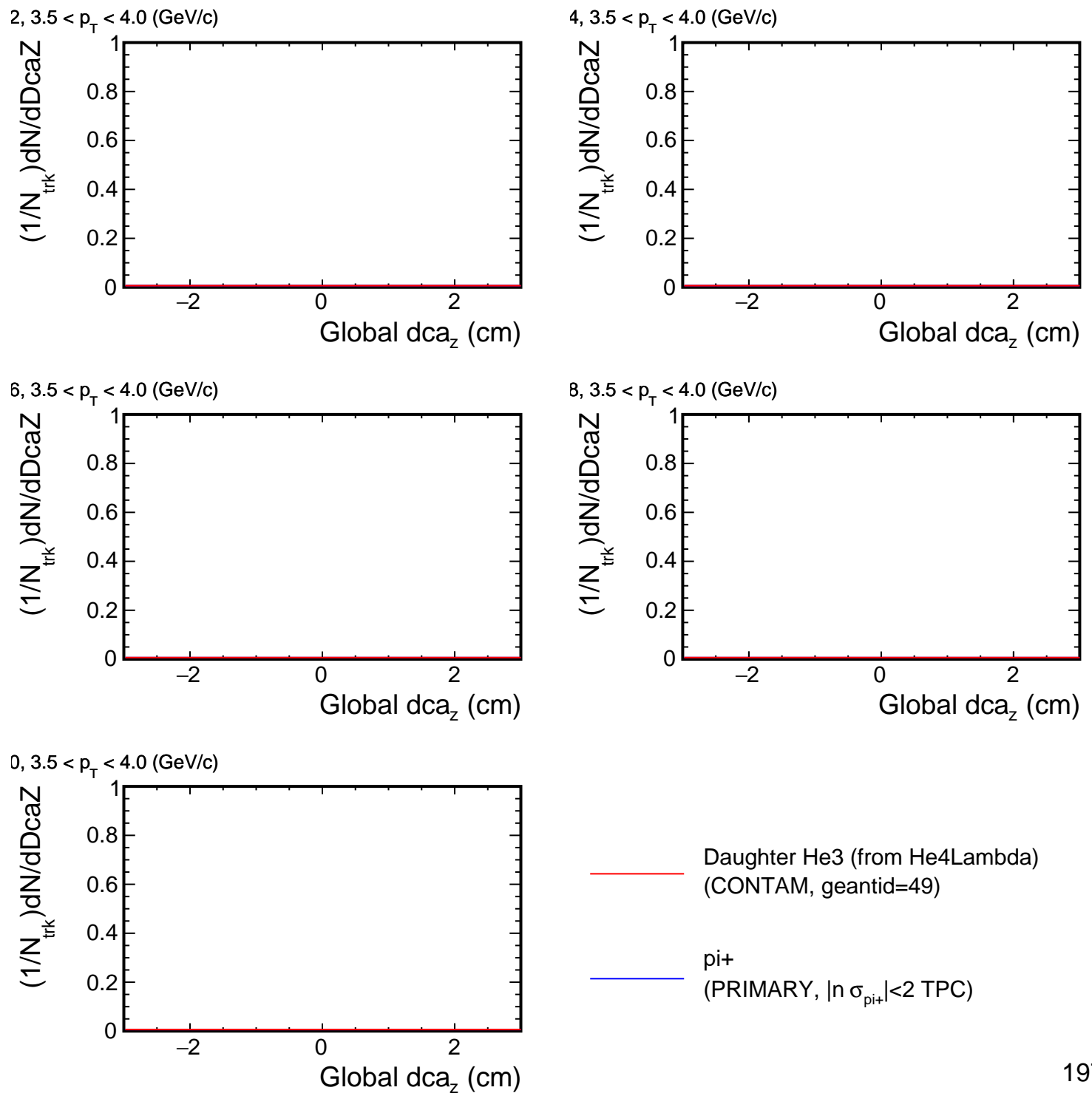
— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

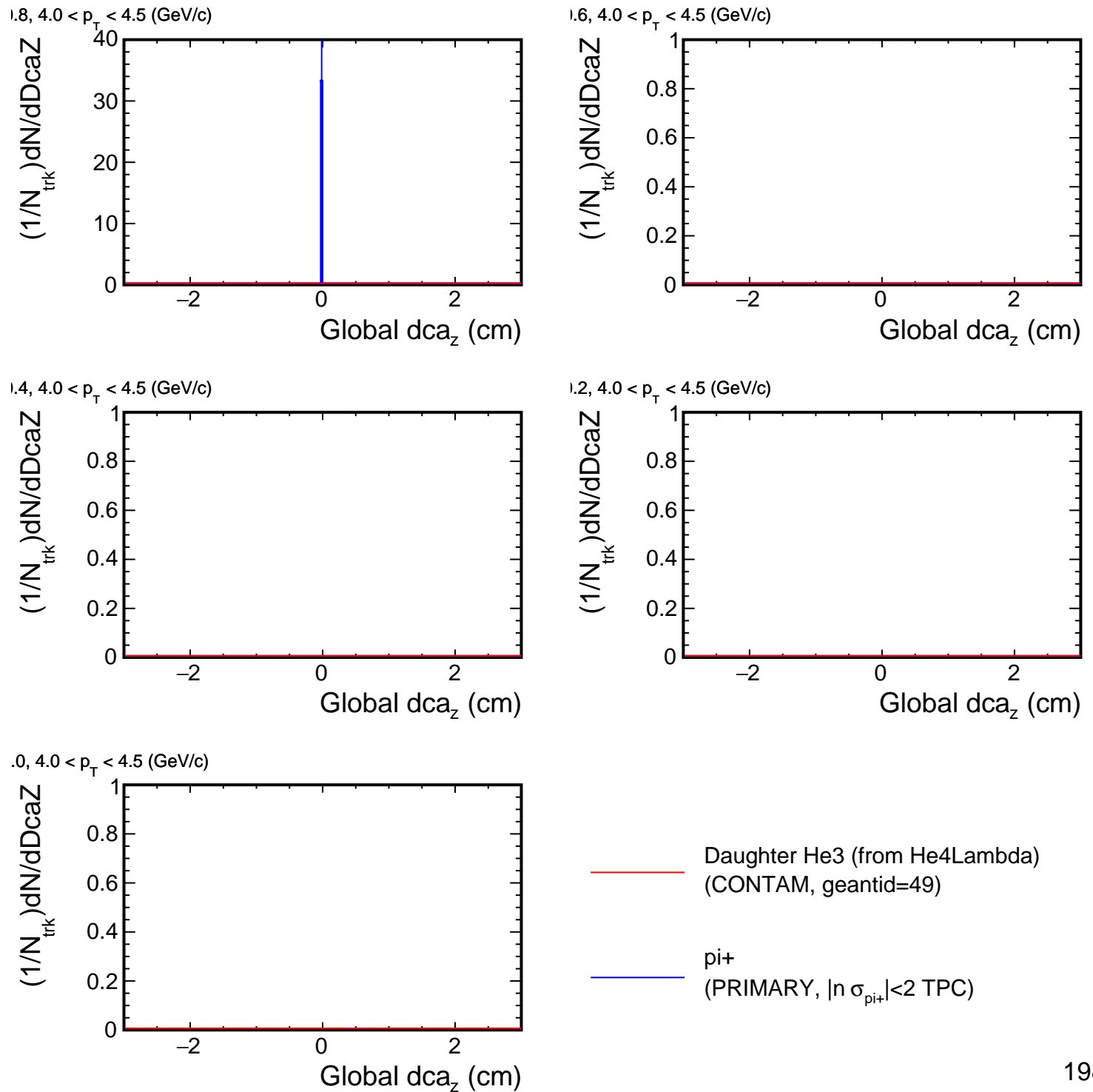
DcaZ distribution for (p_T , η) slices



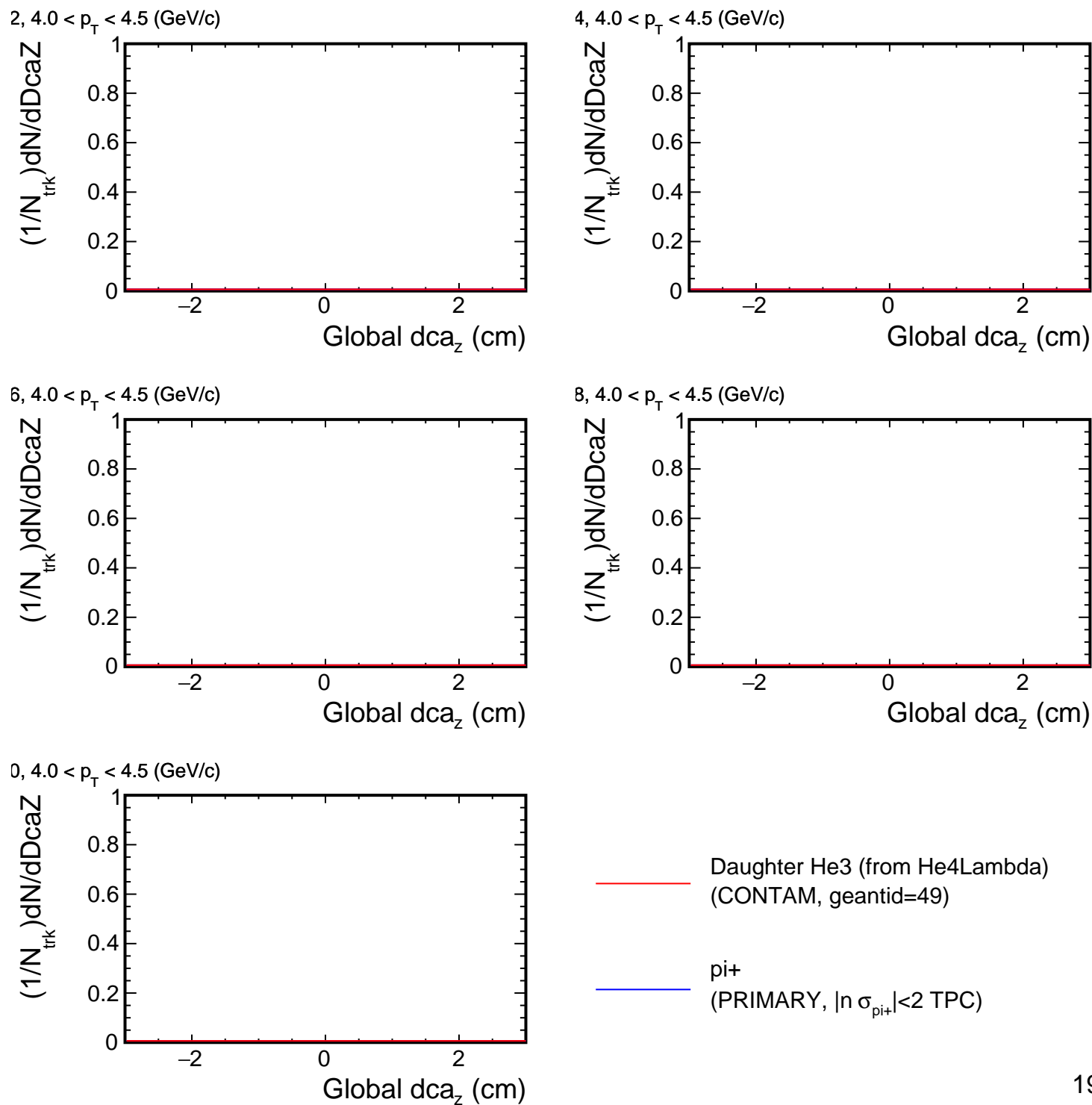
DcaZ distribution for (p_T , η) slices



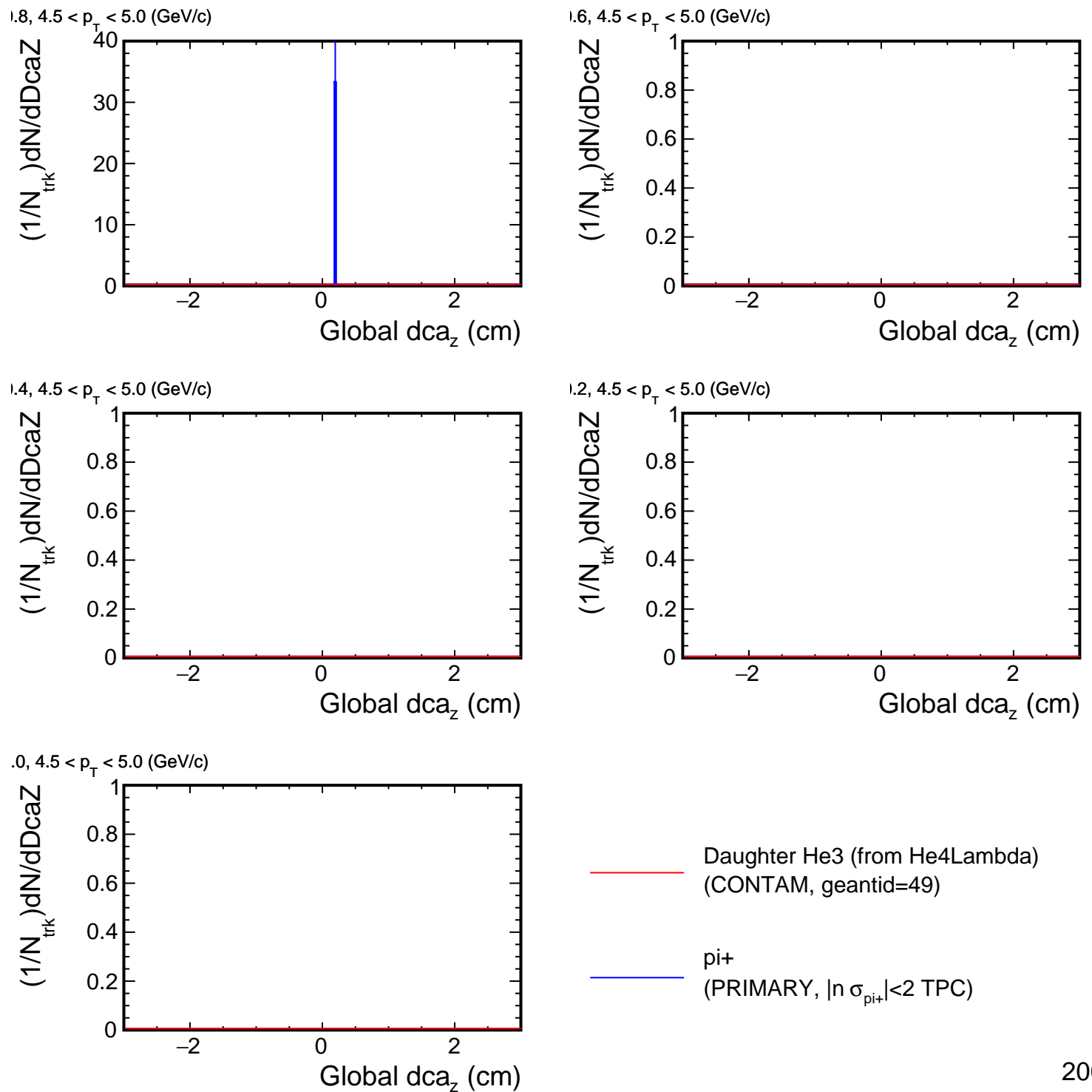
DcaZ distribution for (p_T , η) slices



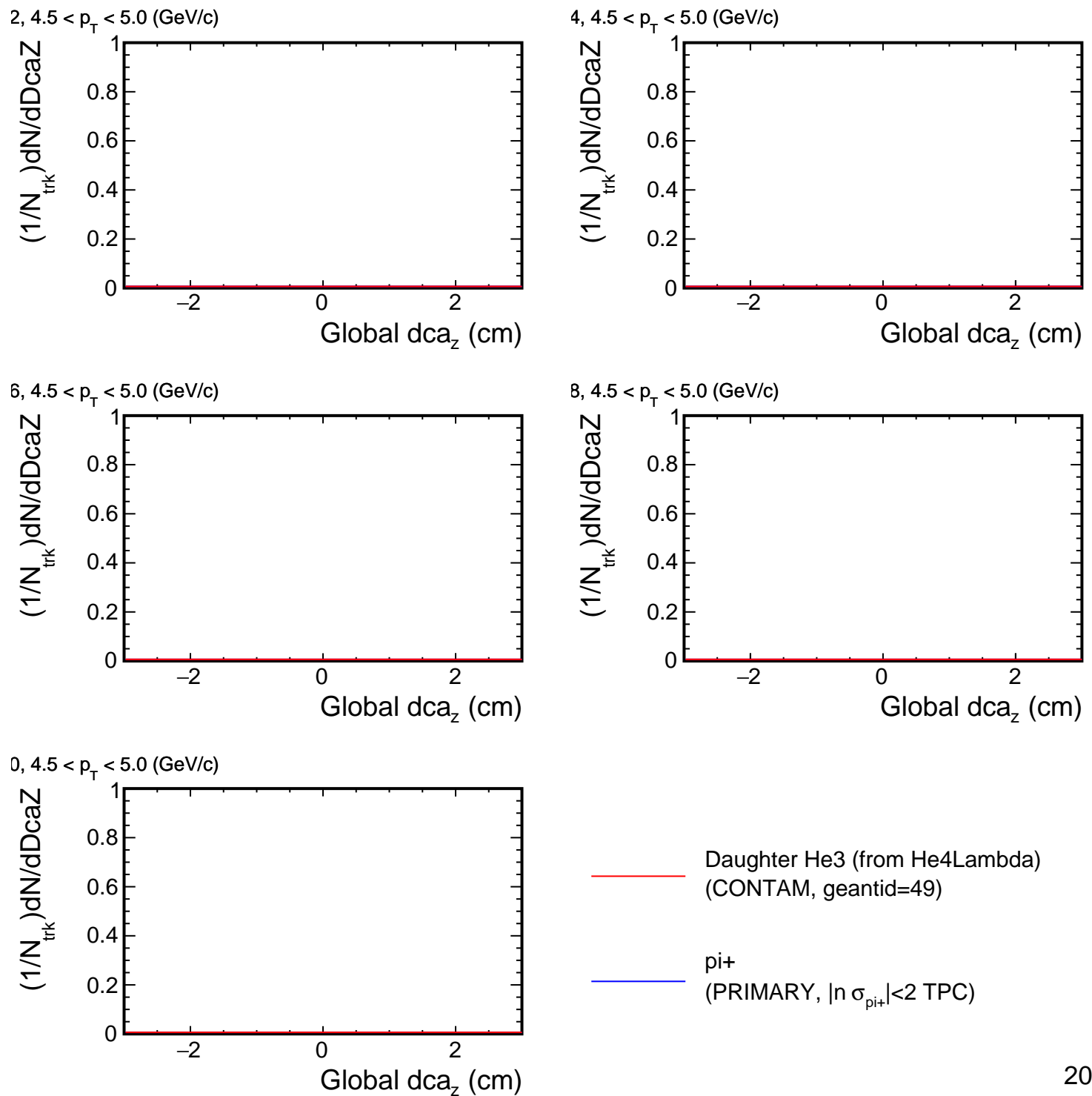
DcaZ distribution for (p_T , η) slices



DcaZ distribution for (p_T , η) slices

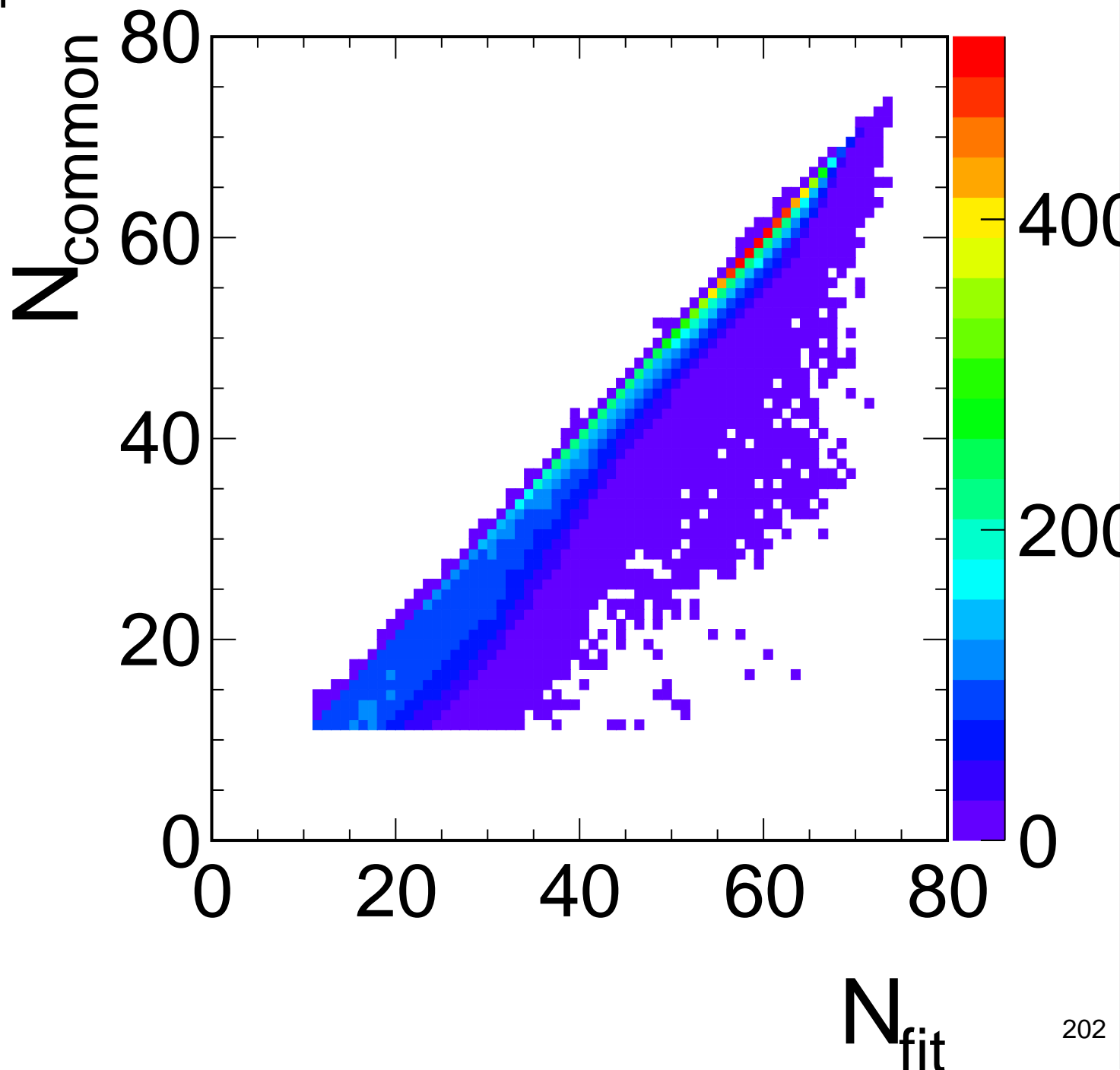


DcaZ distribution for (p_T , η) slices



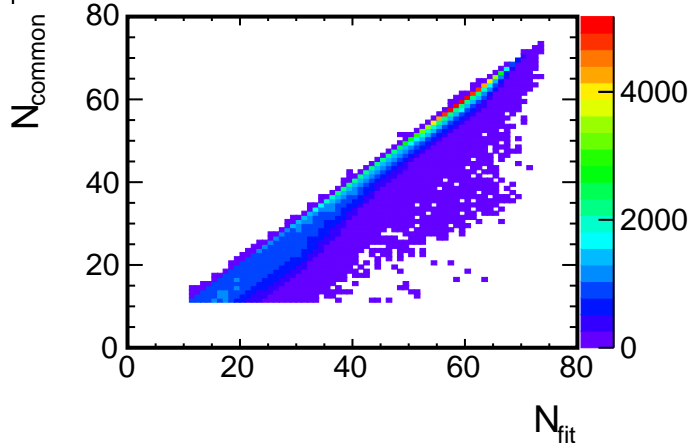
N_{common} vs N_{hit} (Embedding:pi-, Real:pi-)

$p_T < 5.0$ GeV/c

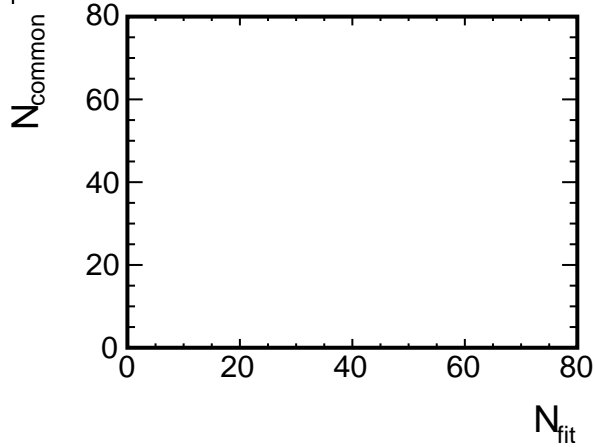


N_{common} vs N_{hit} , p_T dependence (Embedding:pi-, Real:pi-)

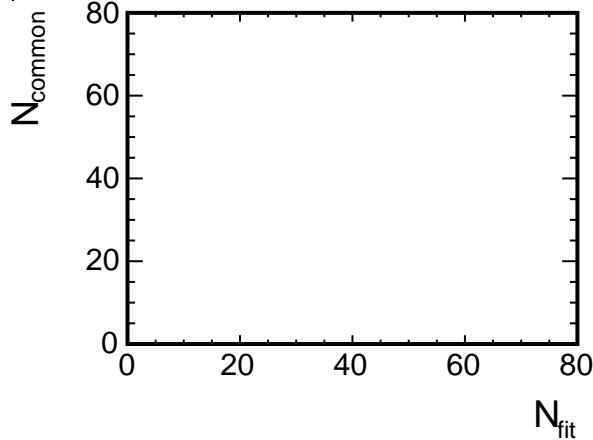
$\langle p_T \rangle < 0.5$ GeV/c



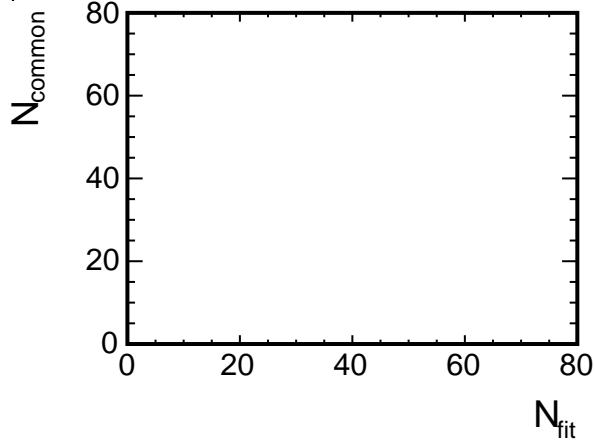
$\langle p_T \rangle < 1.0$ GeV/c



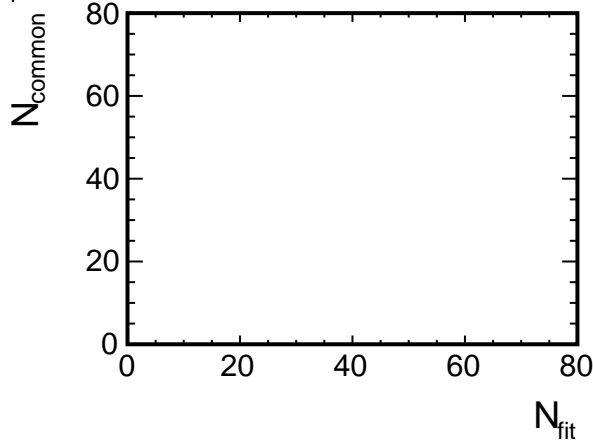
$\langle p_T \rangle < 1.5$ GeV/c



$\langle p_T \rangle < 2.0$ GeV/c

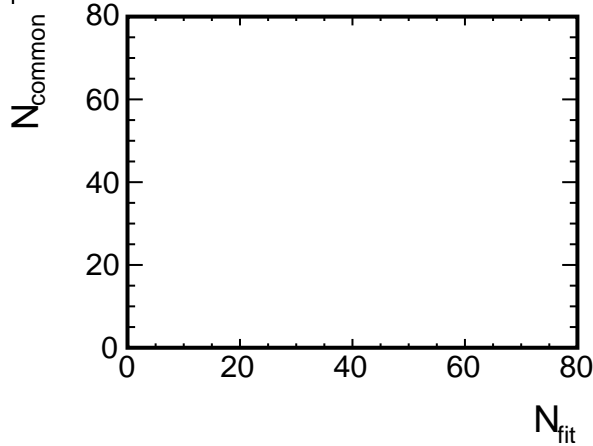


$\langle p_T \rangle < 2.5$ GeV/c

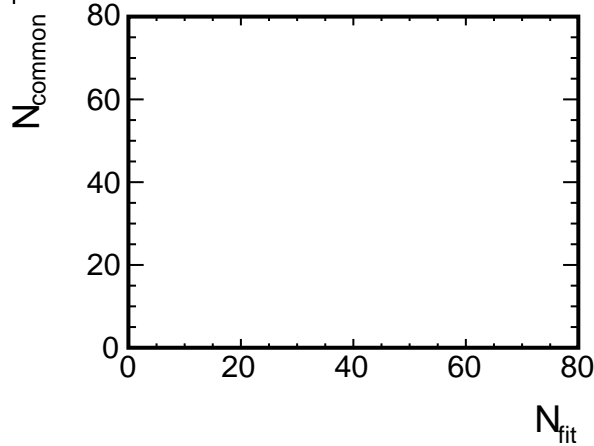


N_{common} vs N_{hit} , p_T dependence (Embedding:pi-, Real:pi-)

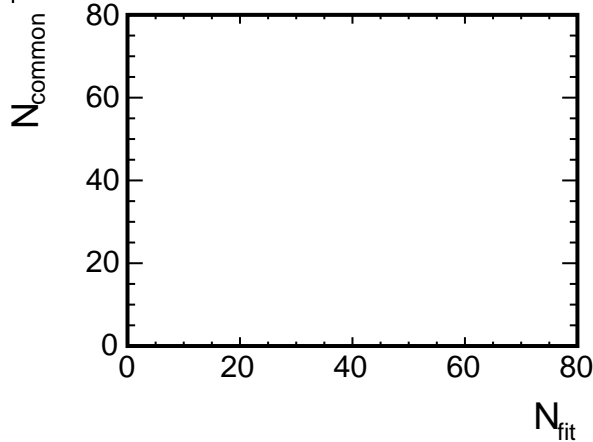
$\langle p_T \rangle < 3.0$ GeV/c



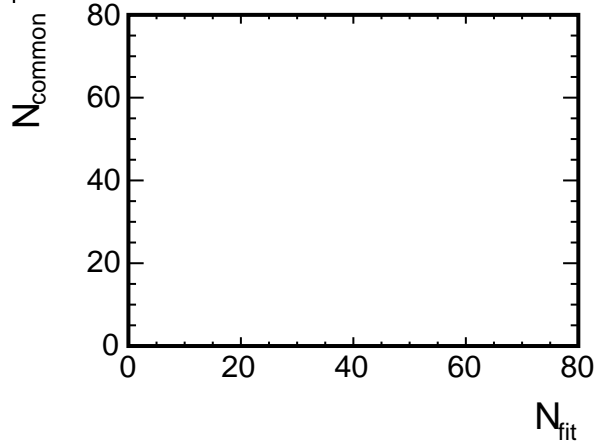
$\langle p_T \rangle < 3.5$ GeV/c



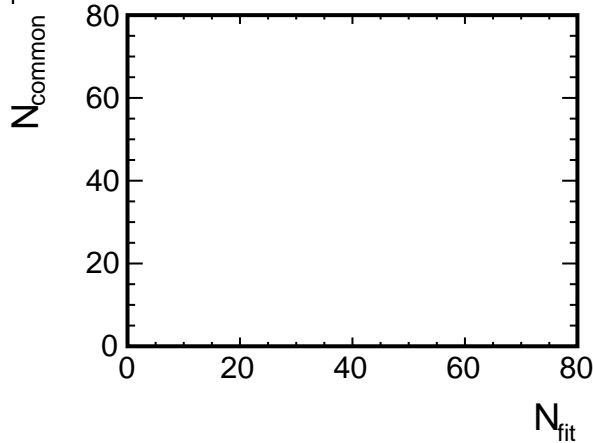
$\langle p_T \rangle < 4.0$ GeV/c



$\langle p_T \rangle < 4.5$ GeV/c

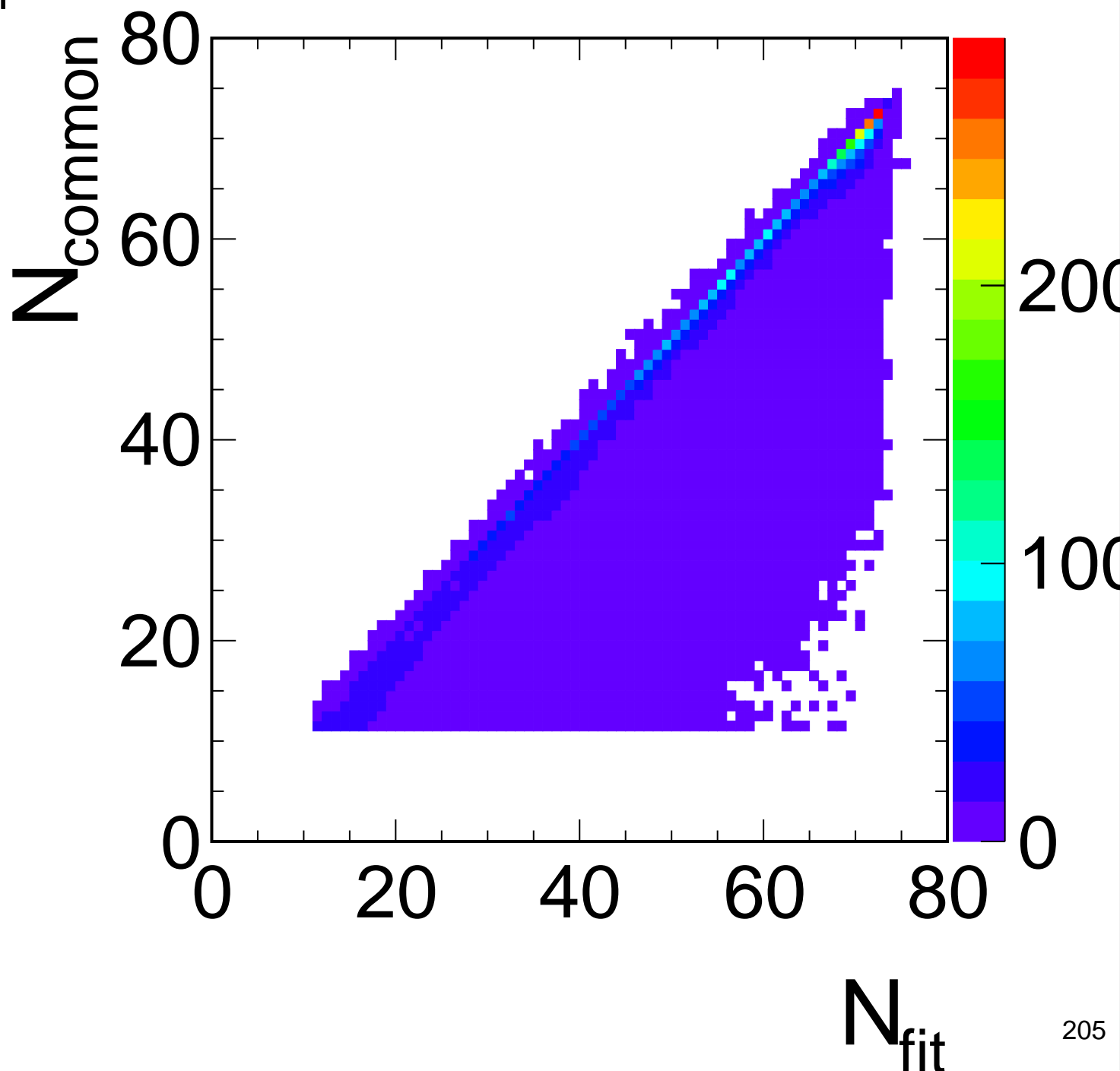


$\langle p_T \rangle < 5.0$ GeV/c



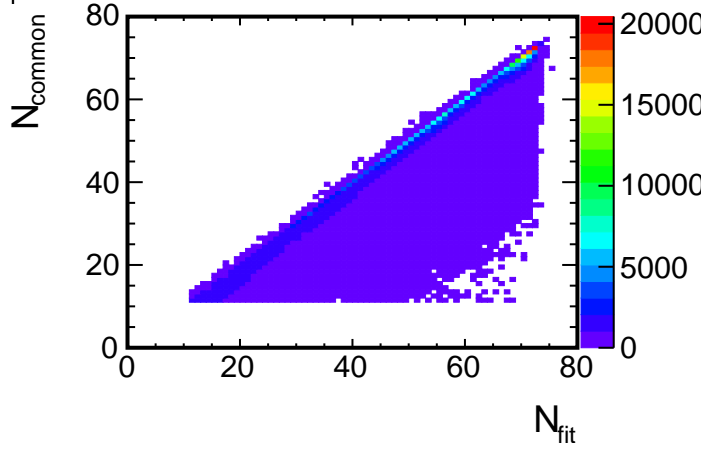
N_{common} vs N_{hit} (Embedding:proton, Real:proton)

$p_T < 5.0$ GeV/c

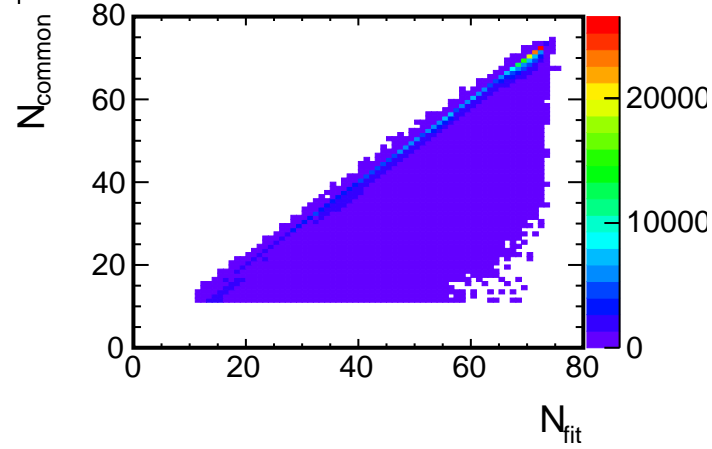


N_{common} vs N_{hit} , p_T dependence (Embedding:proton, Real:proton)

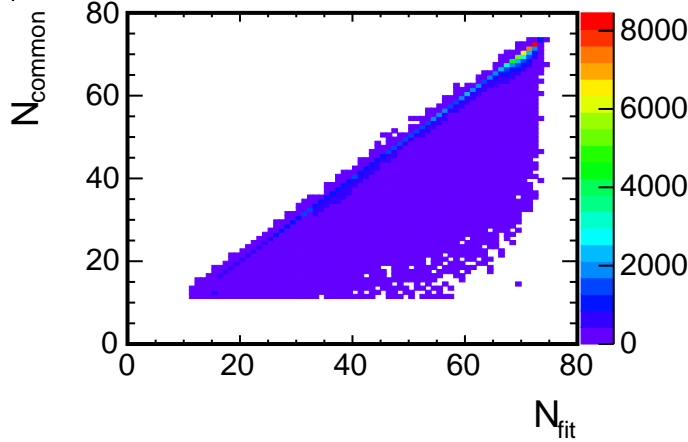
$\langle p_T \rangle < 0.5$ GeV/c



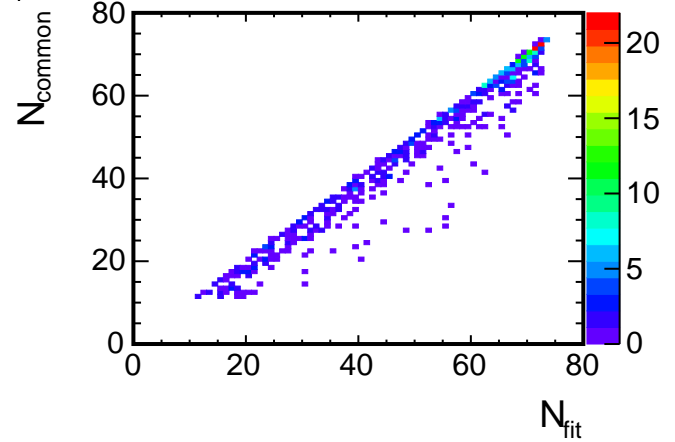
$\langle p_T \rangle < 1.0$ GeV/c



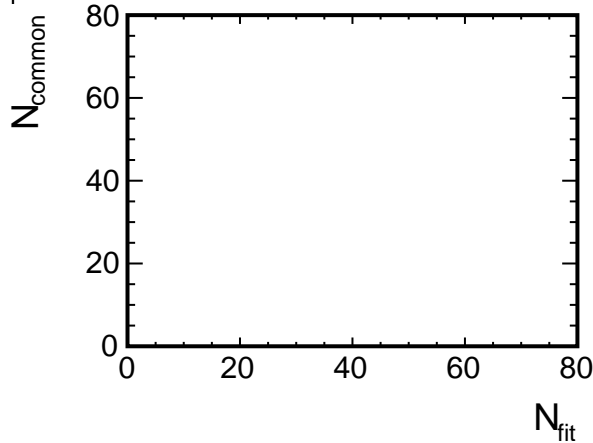
$\langle p_T \rangle < 1.5$ GeV/c



$\langle p_T \rangle < 2.0$ GeV/c

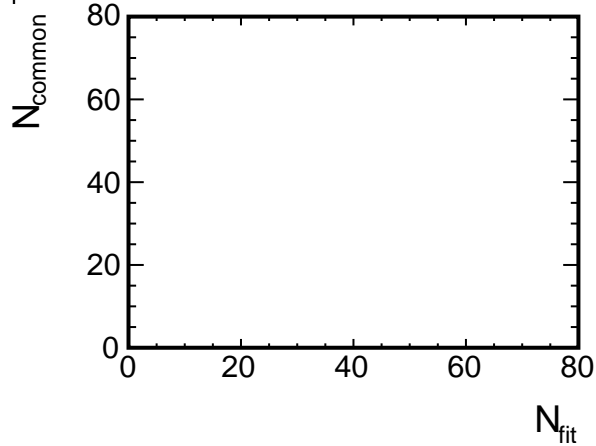


$\langle p_T \rangle < 2.5$ GeV/c

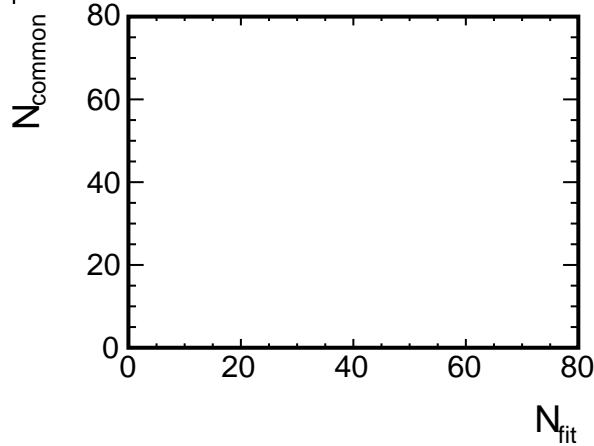


N_{common} vs N_{hit} , p_T dependence (Embedding:proton, Real:proton)

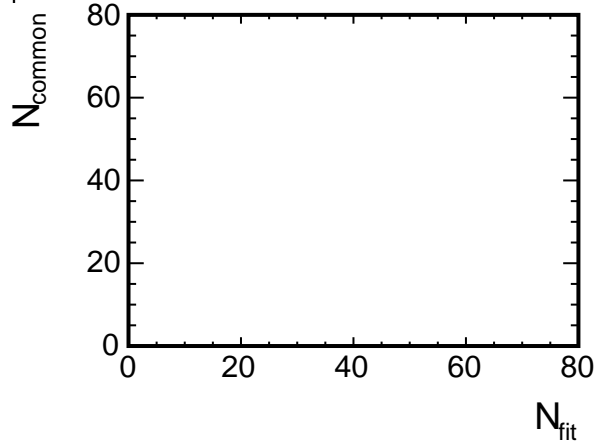
$\langle p_T \rangle < 3.0$ GeV/c



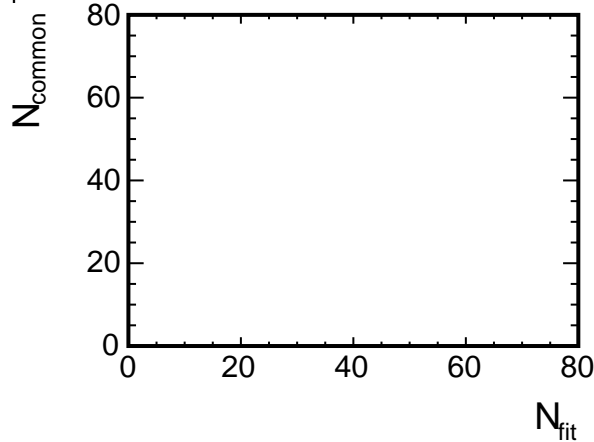
$\langle p_T \rangle < 3.5$ GeV/c



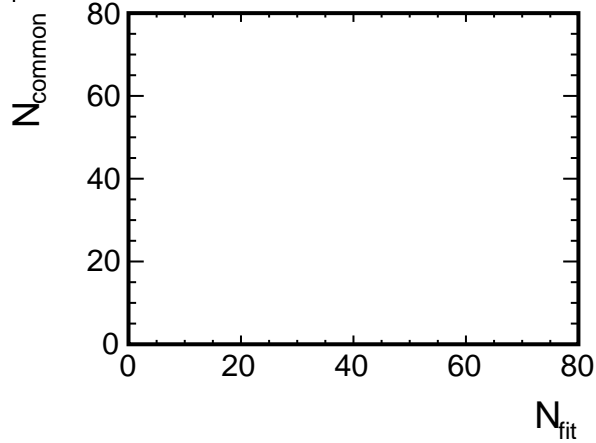
$\langle p_T \rangle < 4.0$ GeV/c



$\langle p_T \rangle < 4.5$ GeV/c

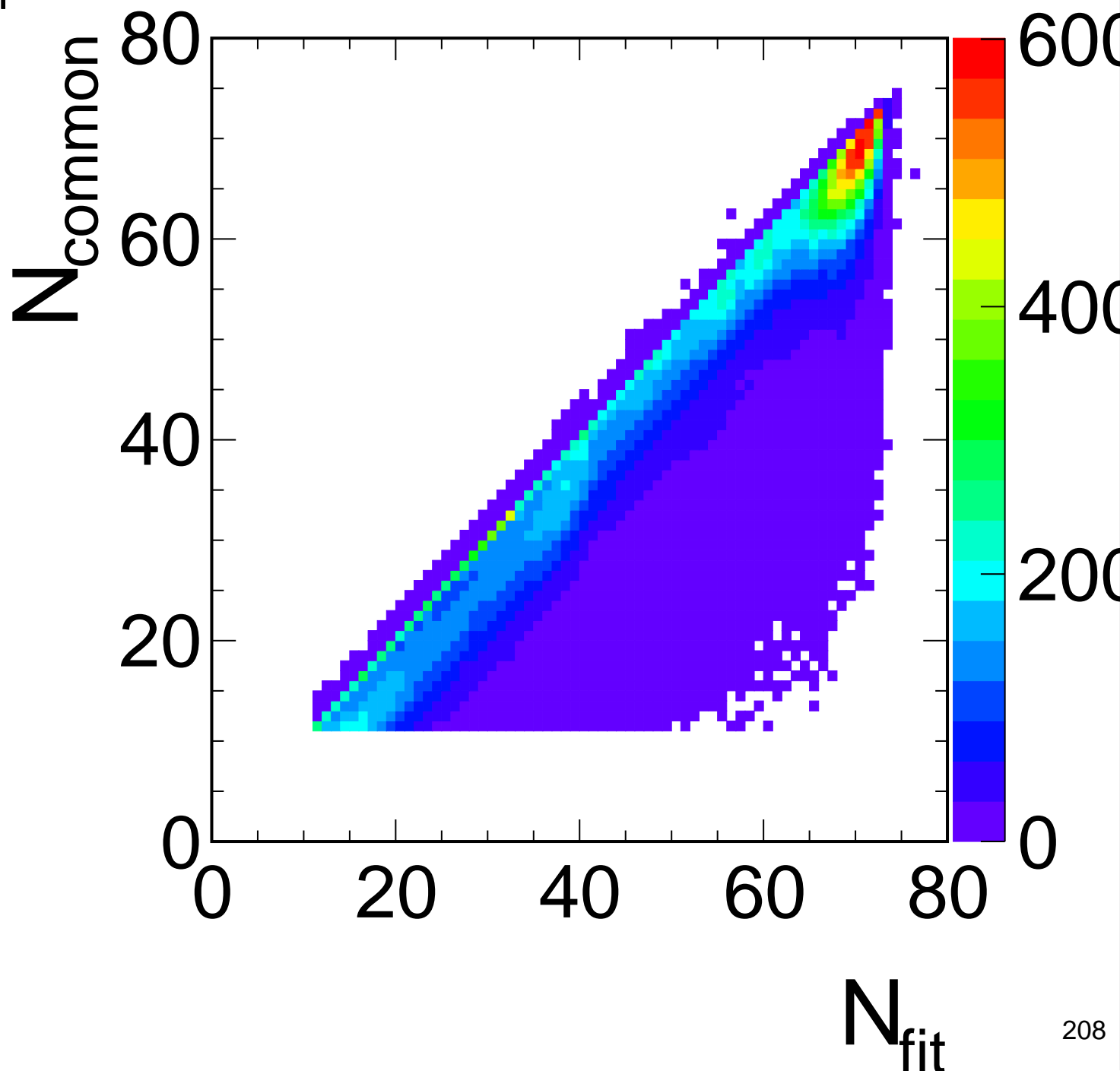


$\langle p_T \rangle < 5.0$ GeV/c



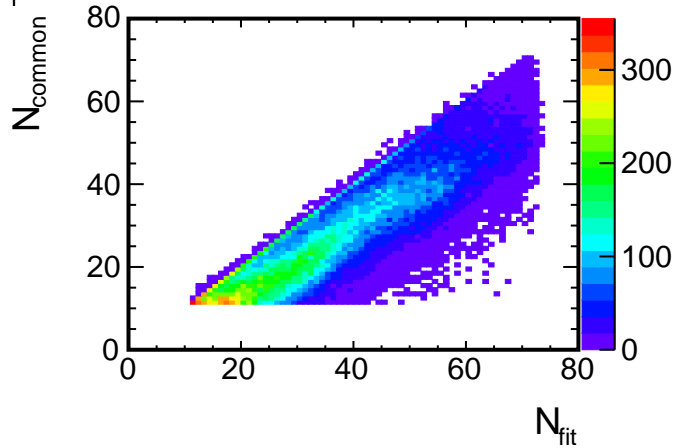
N_{common} vs N_{hit} (Embedding:He3, Real:He3)

$p_T < 5.0$ GeV/c

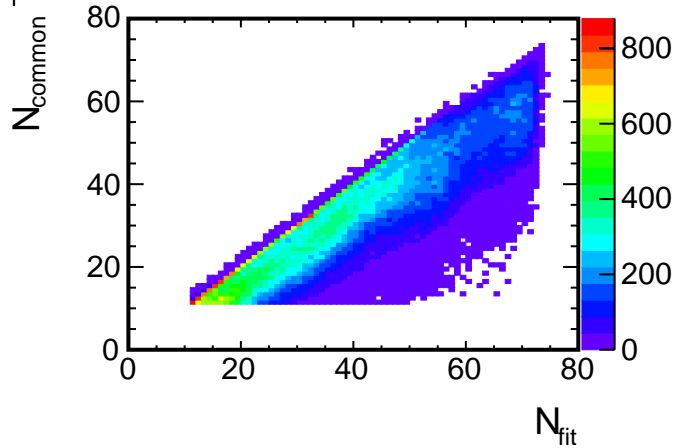


N_{common} vs N_{hit} , p_T dependence (Embedding:He3, Real:He3)

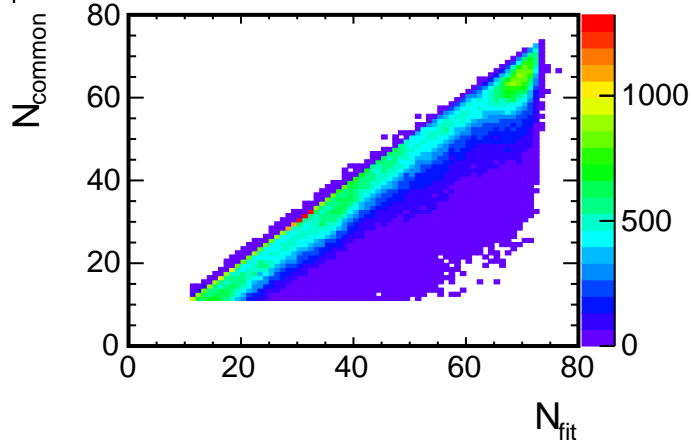
$\langle p_T \rangle < 0.5$ GeV/c



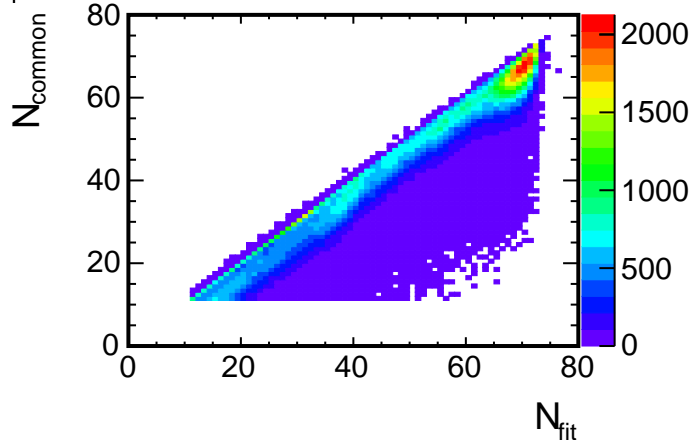
$\langle p_T \rangle < 1.0$ GeV/c



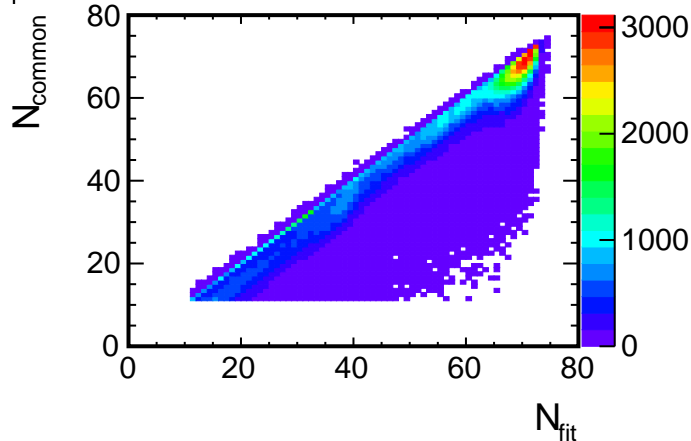
$\langle p_T \rangle < 1.5$ GeV/c



$\langle p_T \rangle < 2.0$ GeV/c

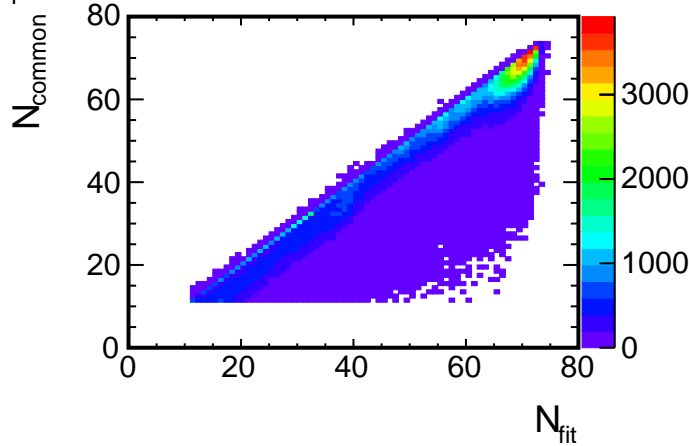


$\langle p_T \rangle < 2.5$ GeV/c

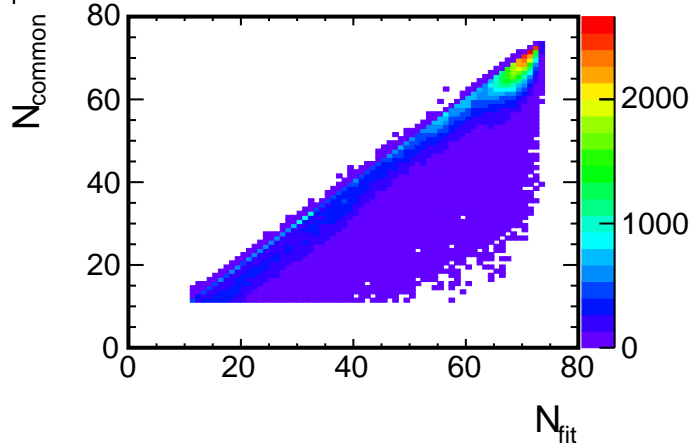


N_{common} vs N_{hit} , p_T dependence (Embedding:He3, Real:He3)

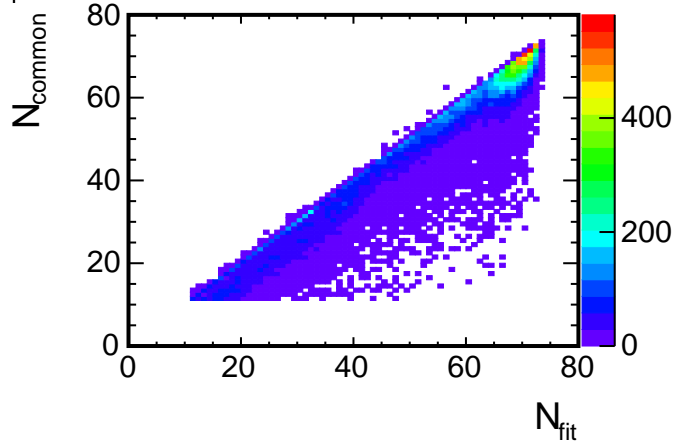
$\langle p_T \rangle < 3.0$ GeV/c



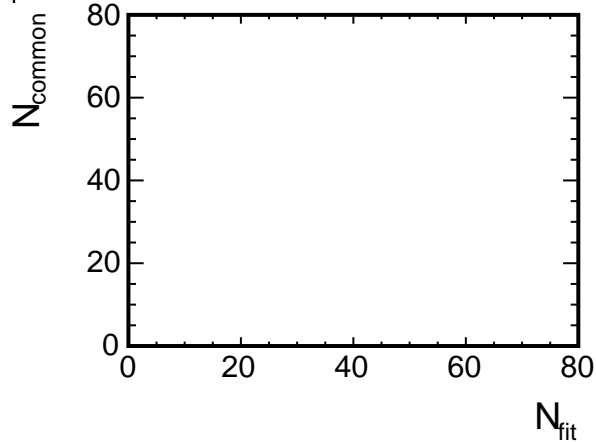
$\langle p_T \rangle < 3.5$ GeV/c



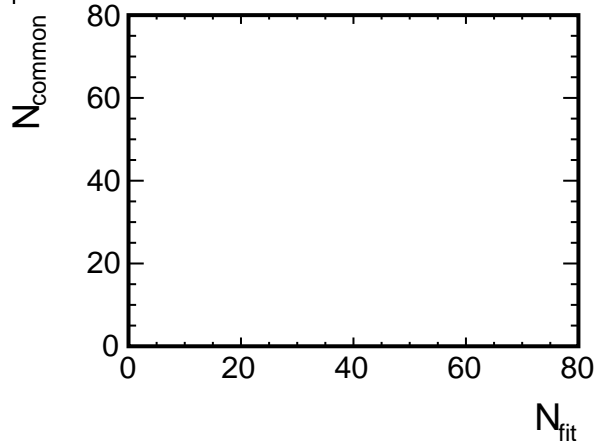
$\langle p_T \rangle < 4.0$ GeV/c



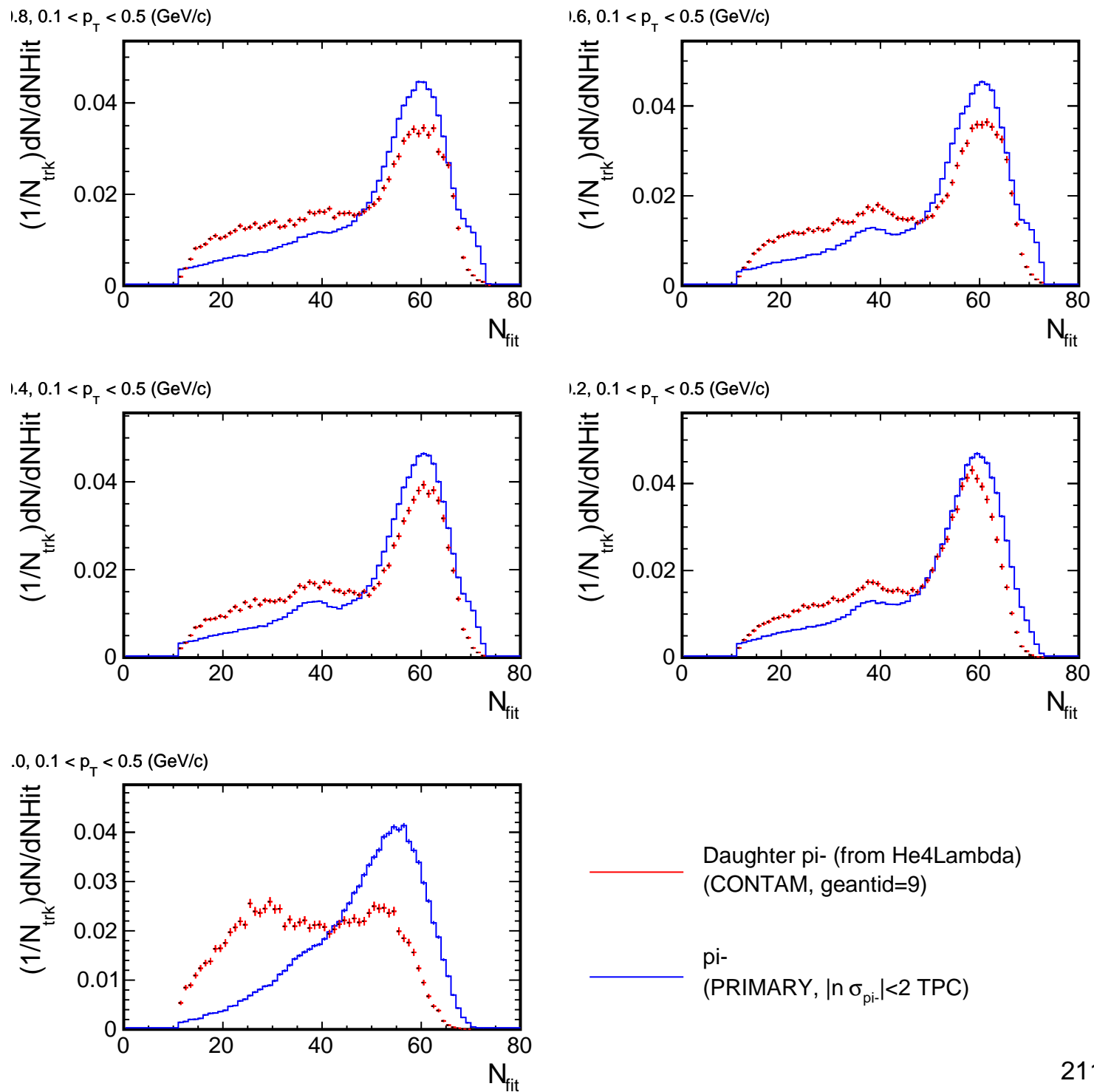
$\langle p_T \rangle < 4.5$ GeV/c



$\langle p_T \rangle < 5.0$ GeV/c

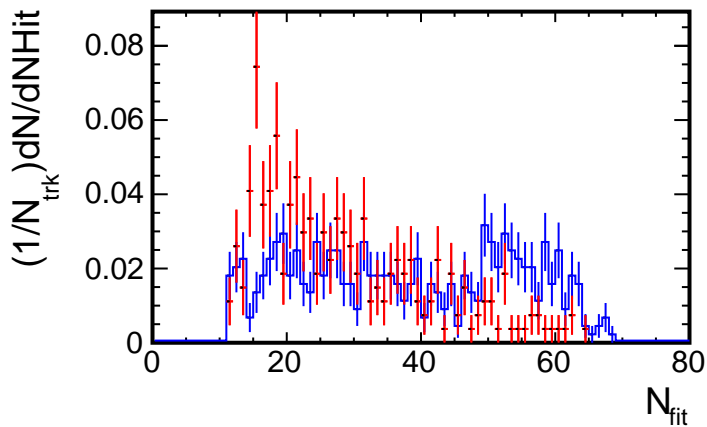


NHit distribution for (p_T , η) slices

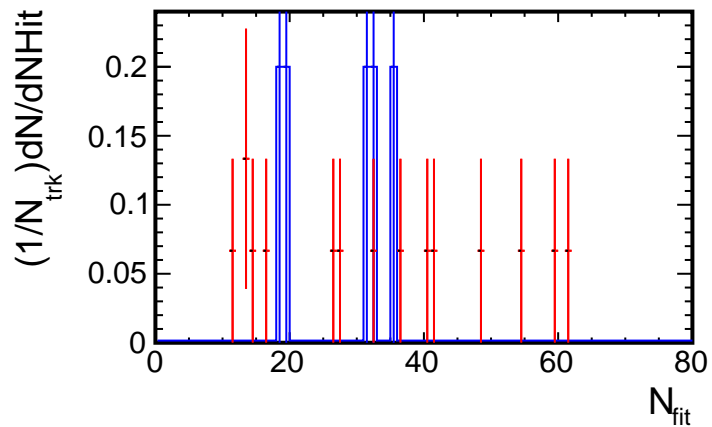


NHit distribution for (p_T , η) slices

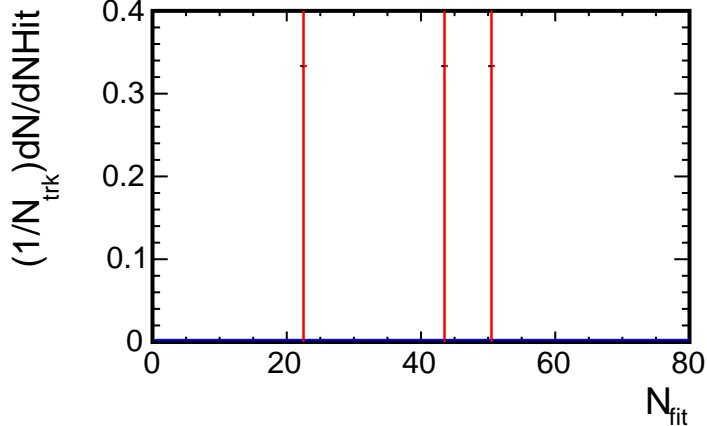
2, $0.1 < p_T < 0.5$ (GeV/c)



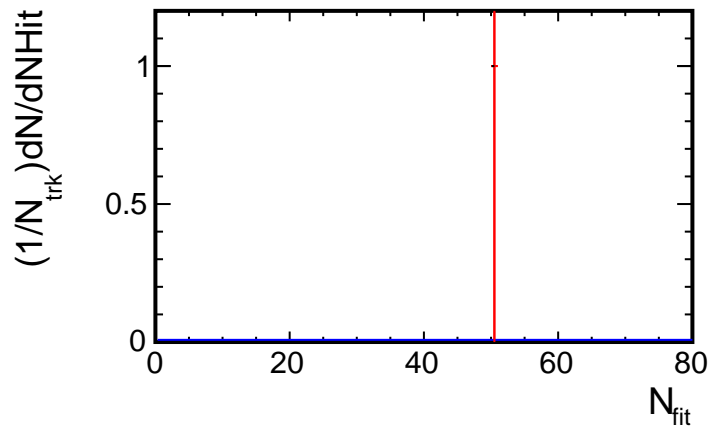
4, $0.1 < p_T < 0.5$ (GeV/c)



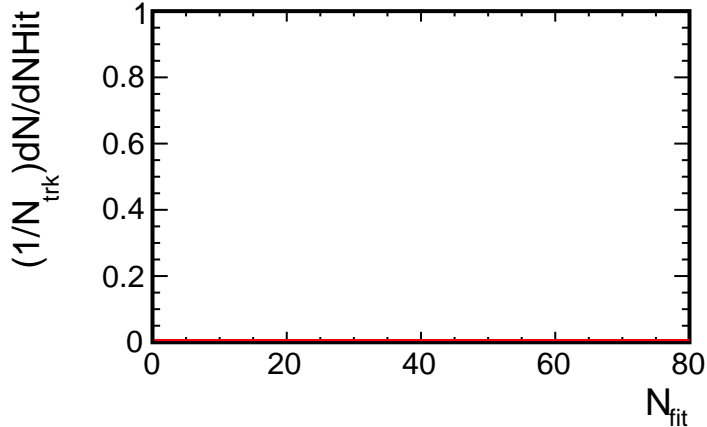
6, $0.1 < p_T < 0.5$ (GeV/c)



8, $0.1 < p_T < 0.5$ (GeV/c)



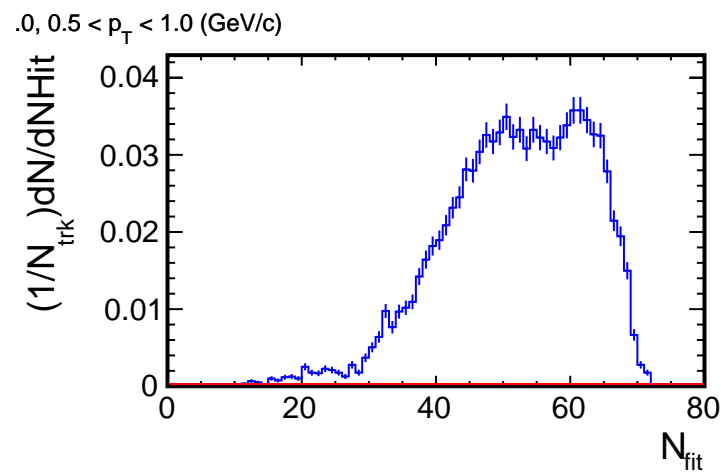
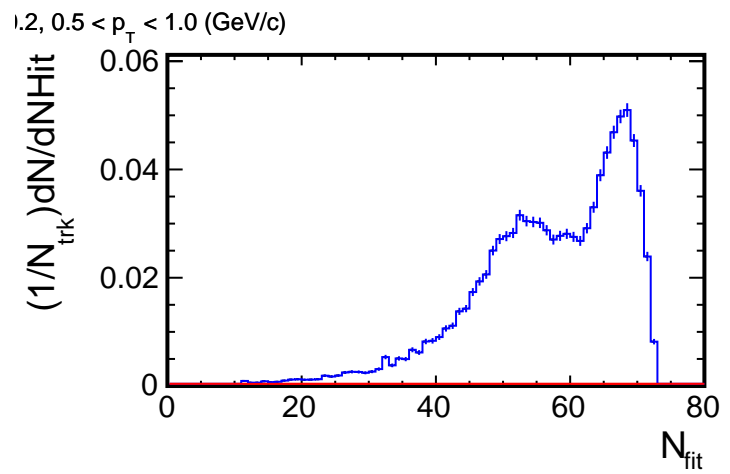
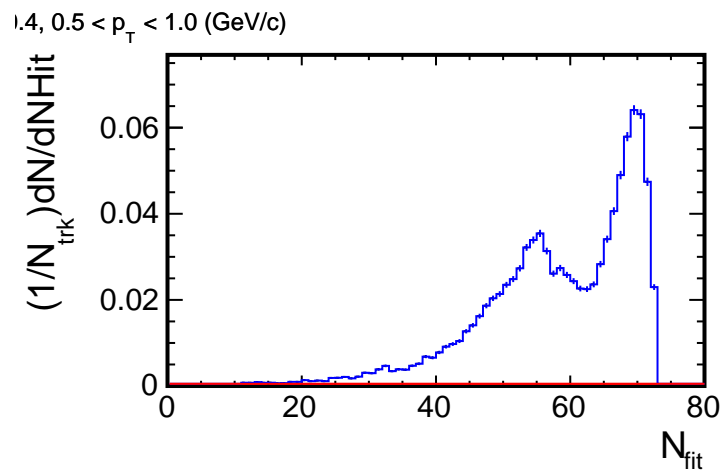
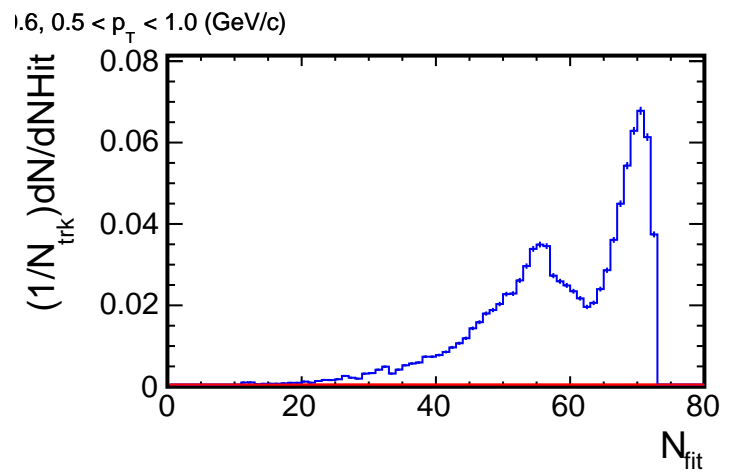
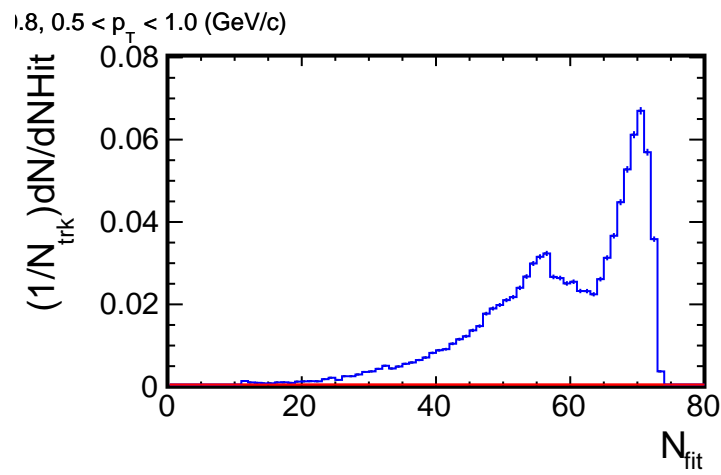
0, $0.1 < p_T < 0.5$ (GeV/c)



— Daughter pi- (from He4Lambda)
(CONTAM, geantid=9)

— pi-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

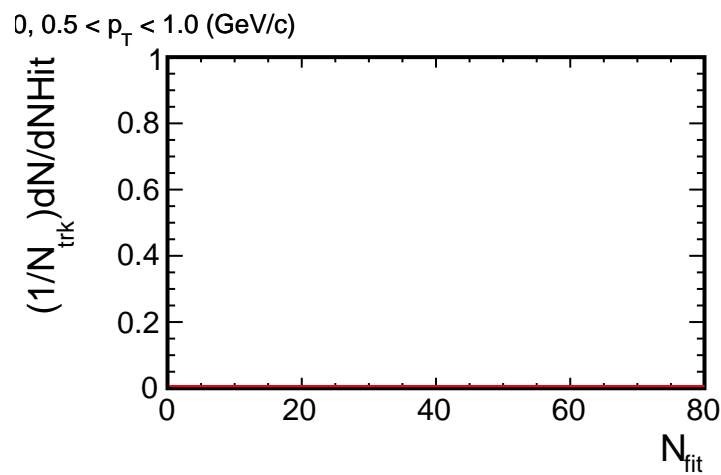
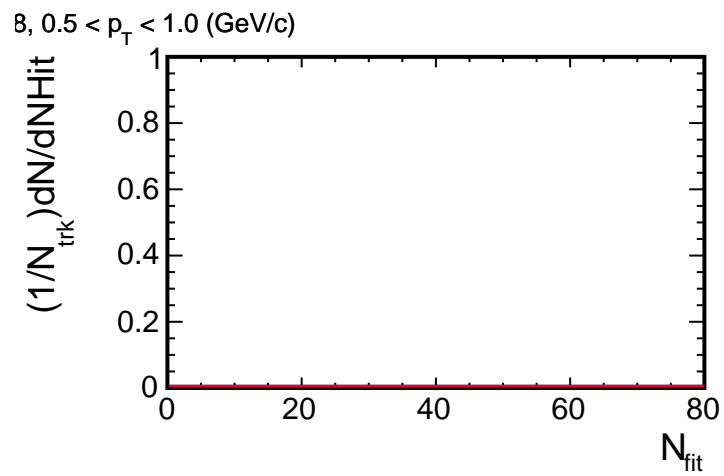
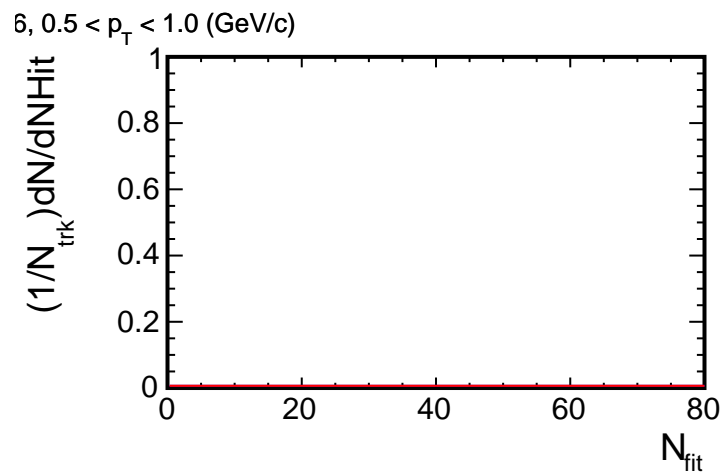
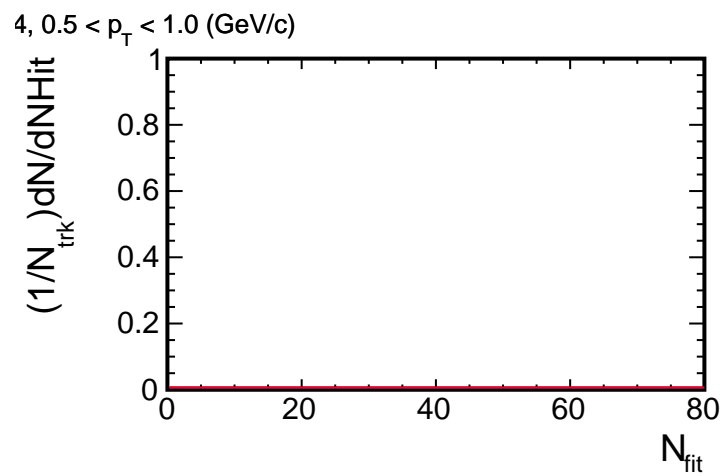
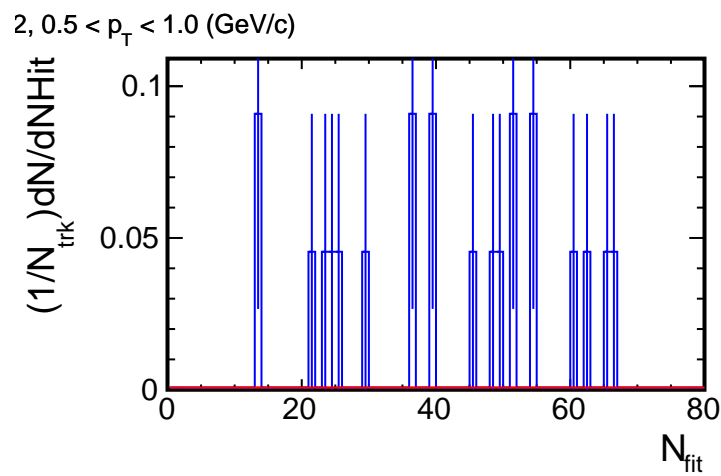
NHit distribution for (p_T , η) slices



— Daughter π^- (from He4Lambda)
(CONTAM, geantid=9)

— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

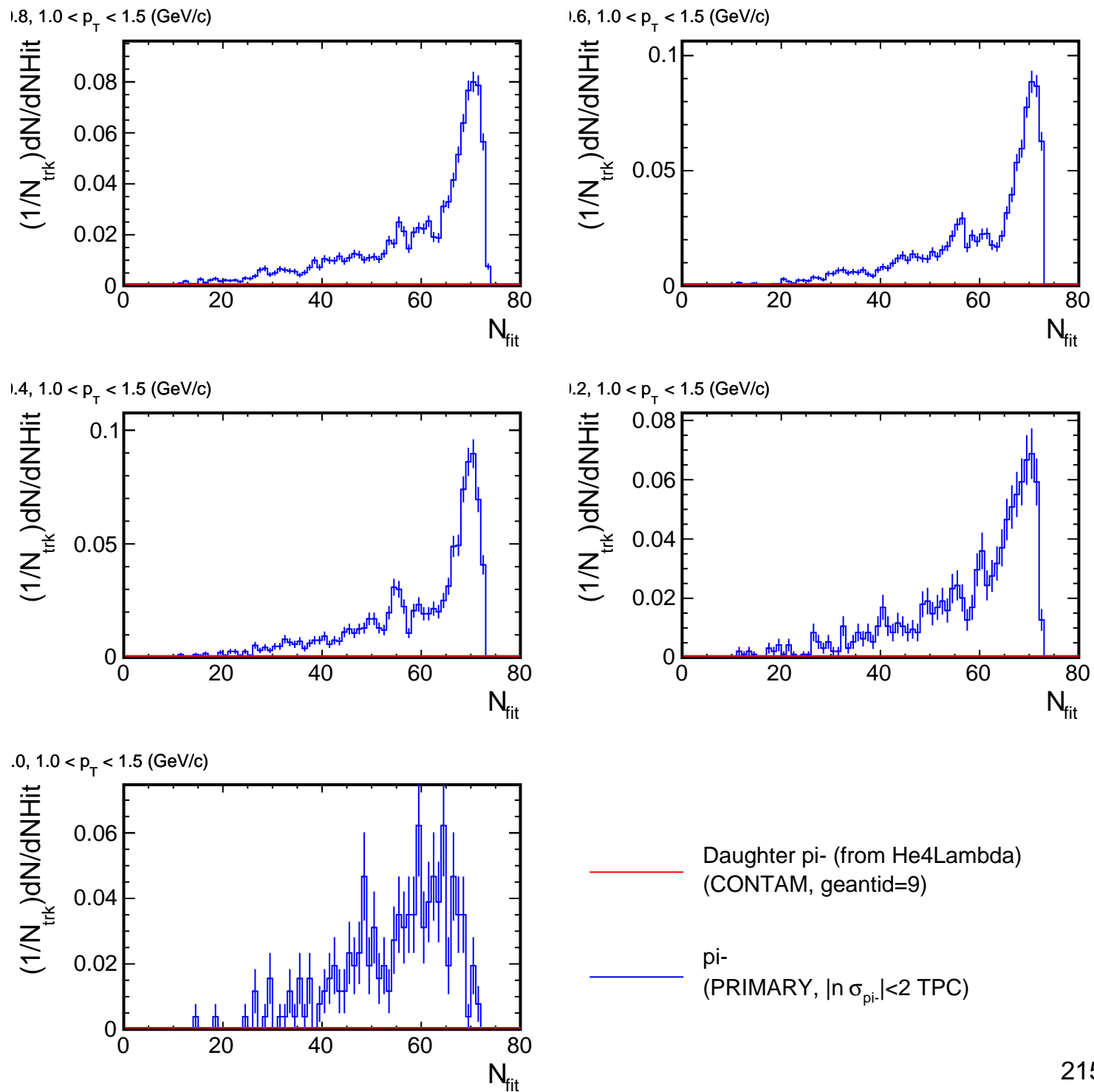
NHit distribution for (p_T , η) slices



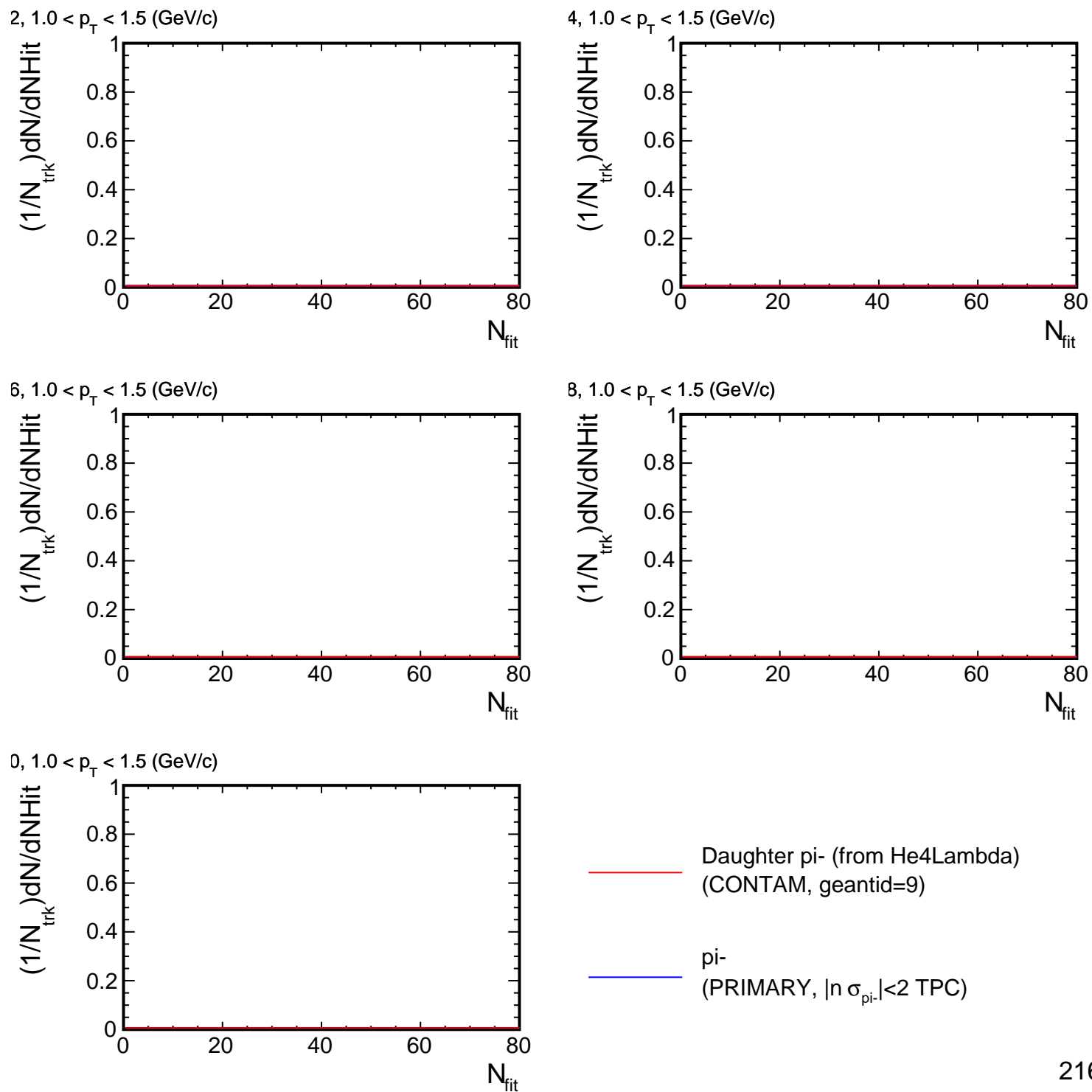
— Daughter π^- (from He4Lambda)
(CONTAM, geantid=9)

— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

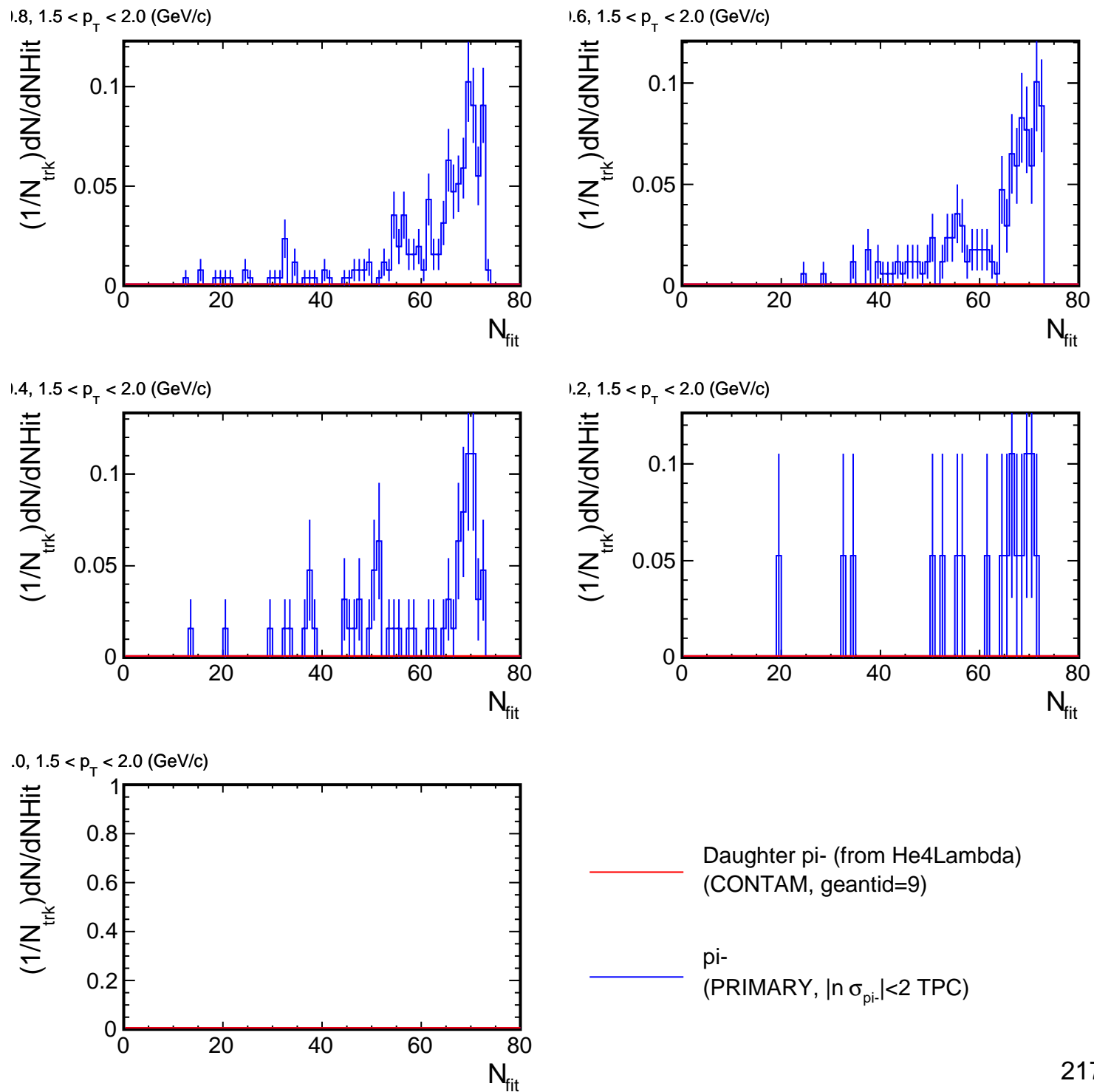
NHit distribution for (p_T , η) slices



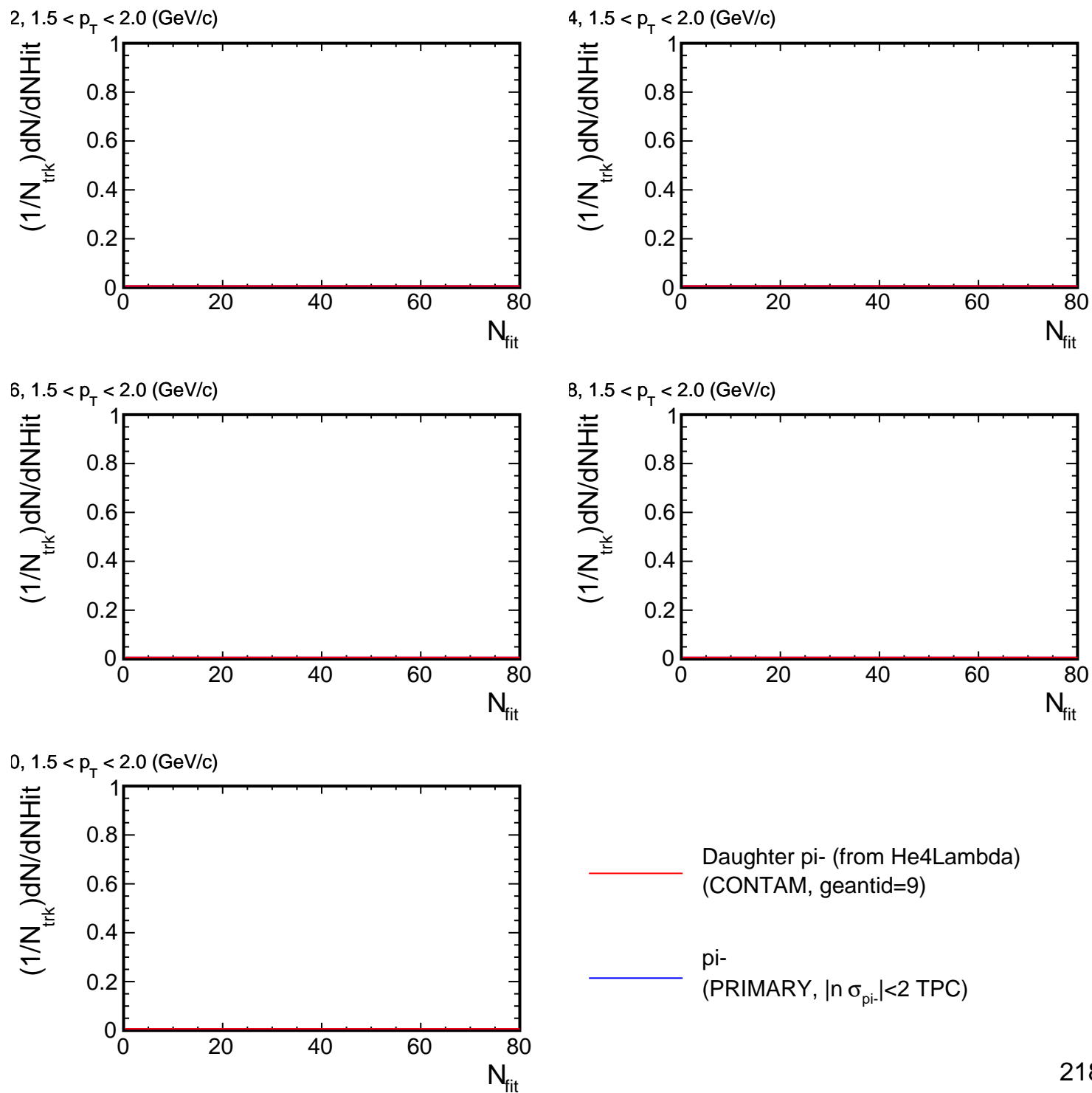
NHit distribution for (p_T , η) slices



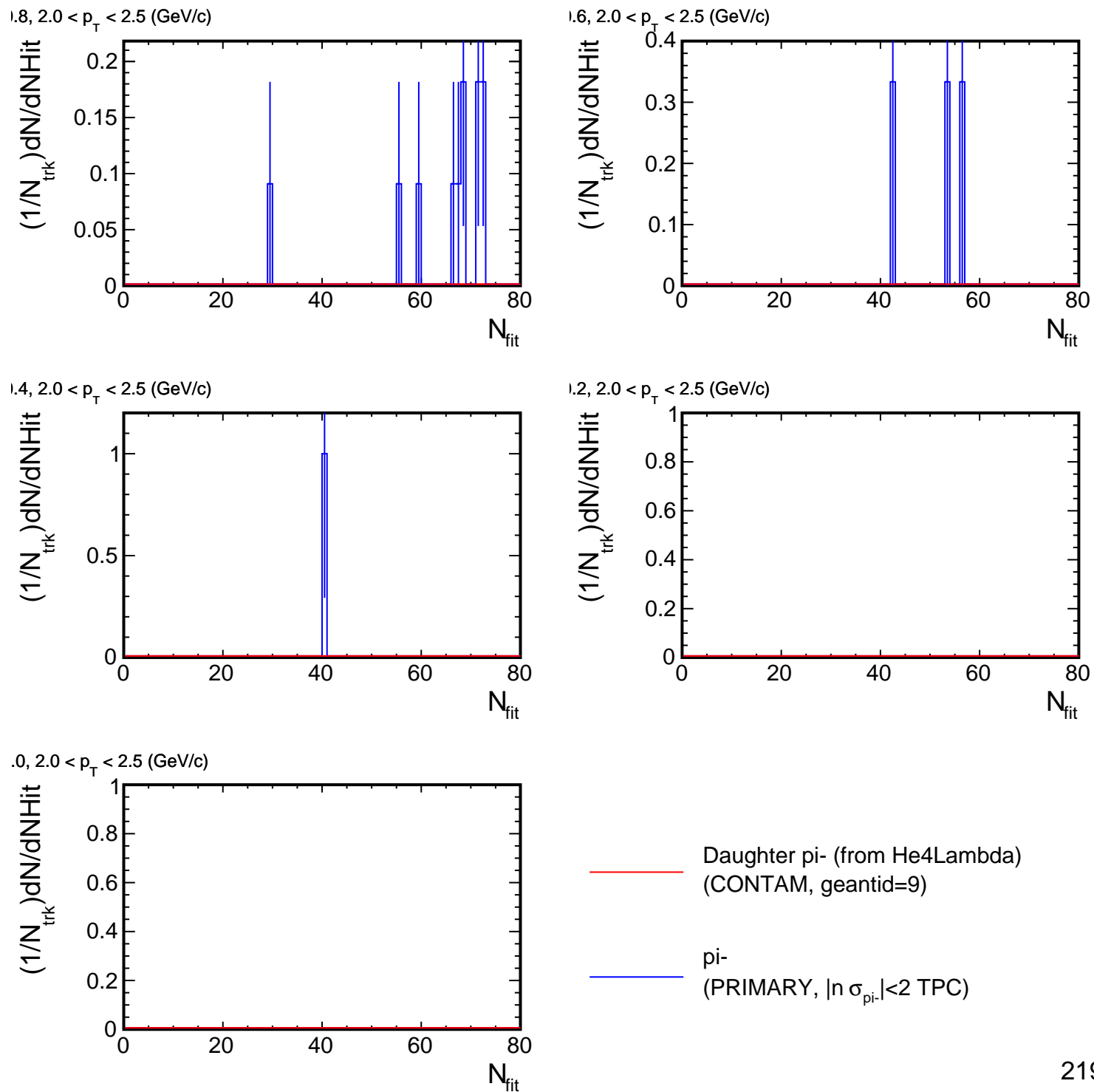
NHit distribution for (p_T , η) slices



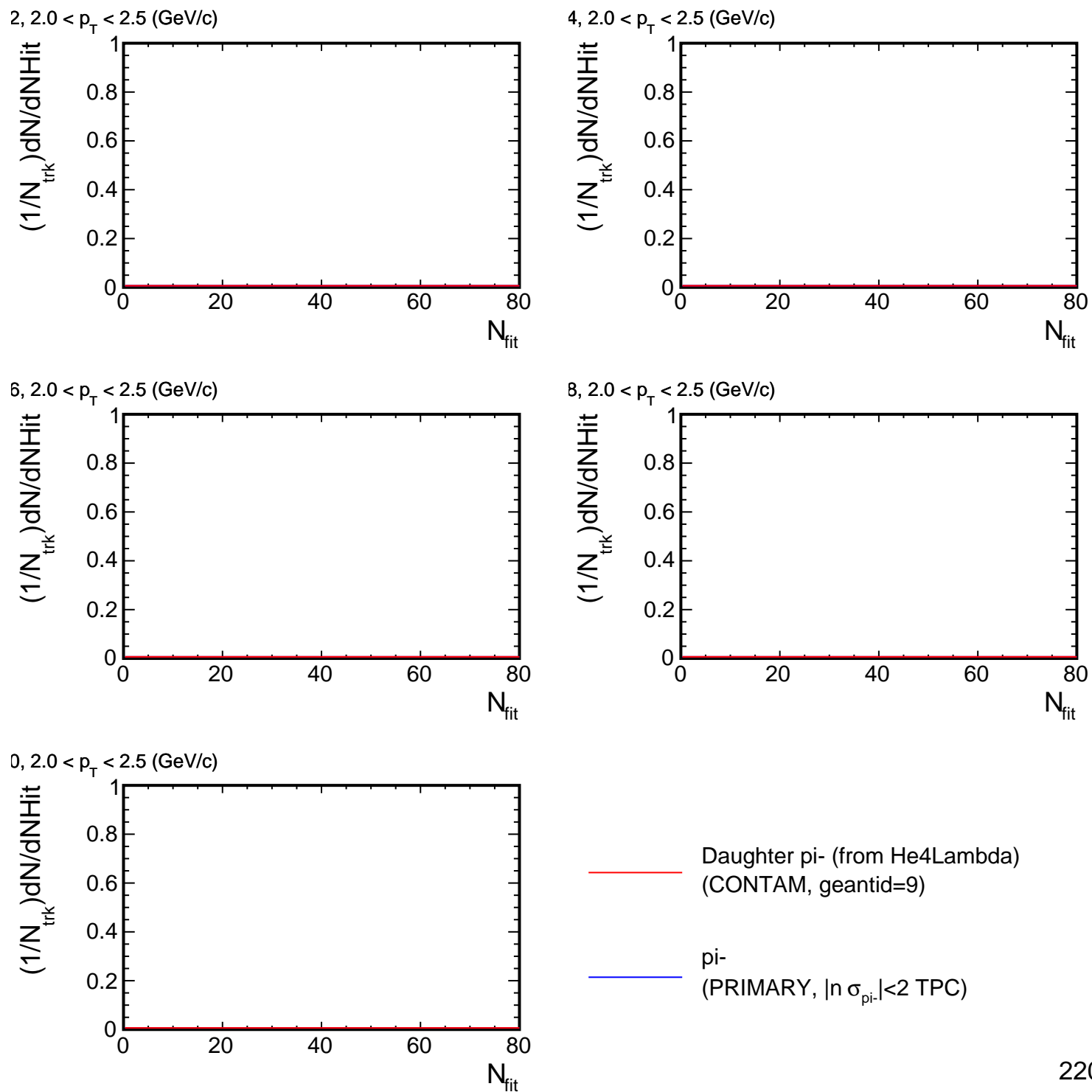
NHit distribution for (p_T , η) slices



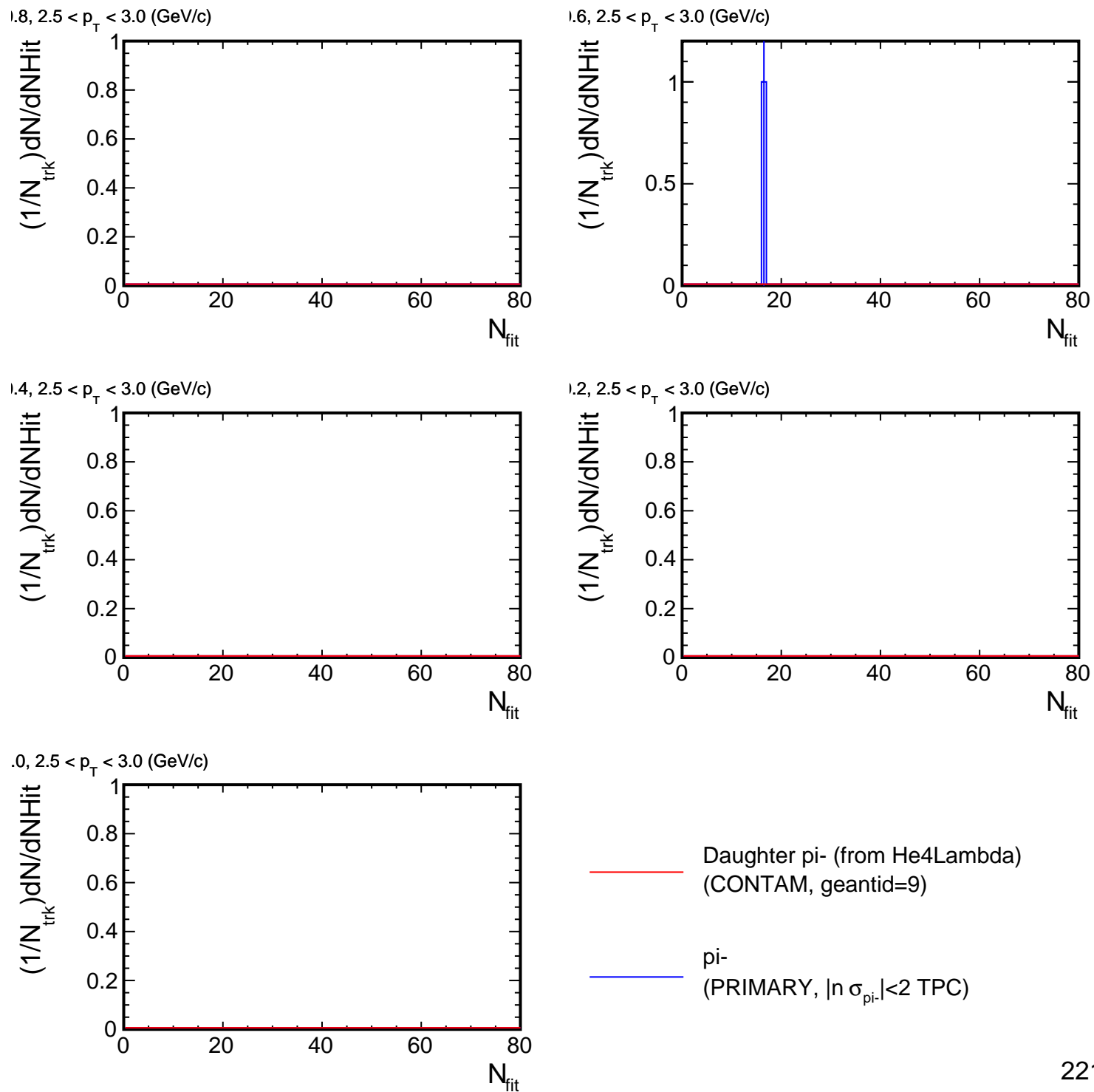
NHit distribution for (p_T , η) slices



NHit distribution for (p_T, η) slices

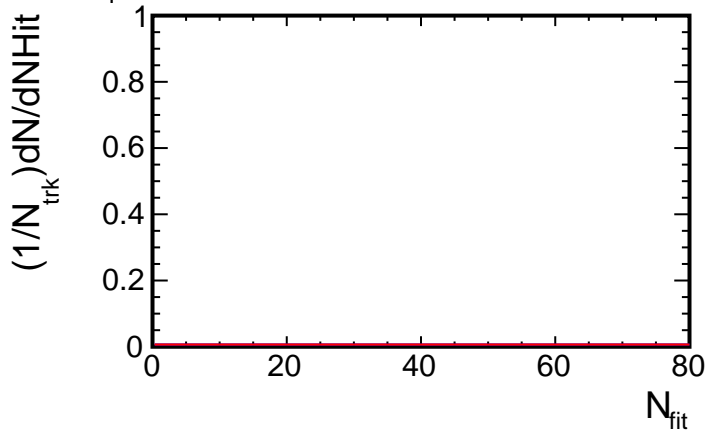


NHit distribution for (p_T , η) slices

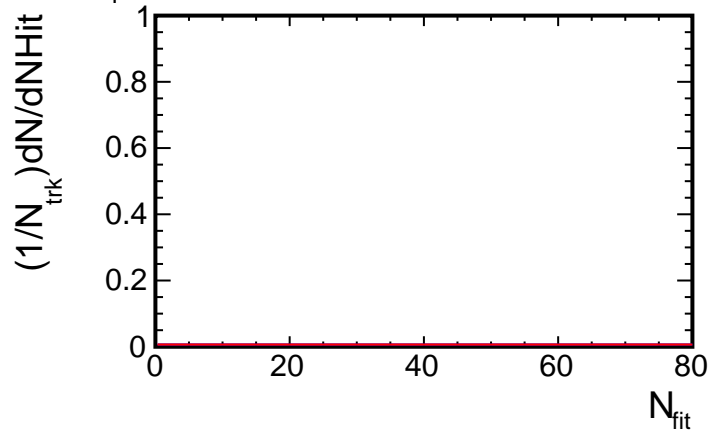


NHit distribution for (p_T , η) slices

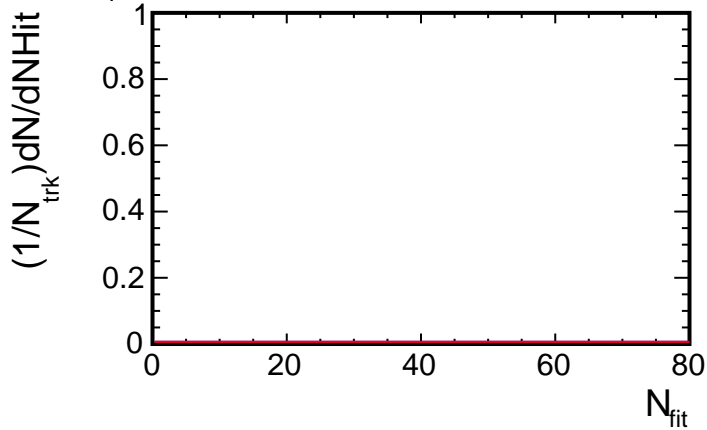
2, $2.5 < p_T < 3.0$ (GeV/c)



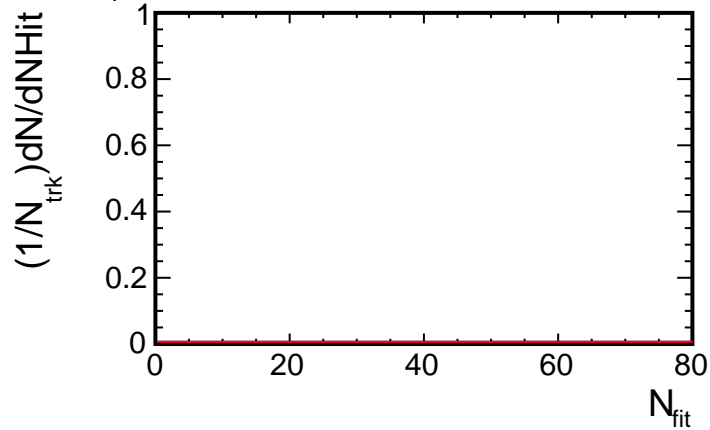
4, $2.5 < p_T < 3.0$ (GeV/c)



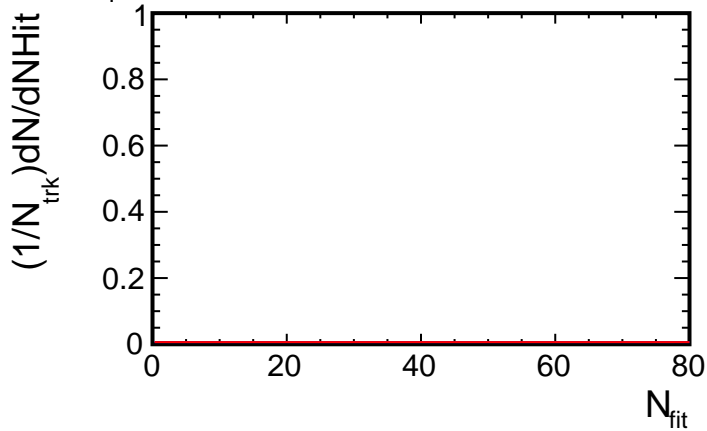
6, $2.5 < p_T < 3.0$ (GeV/c)



8, $2.5 < p_T < 3.0$ (GeV/c)



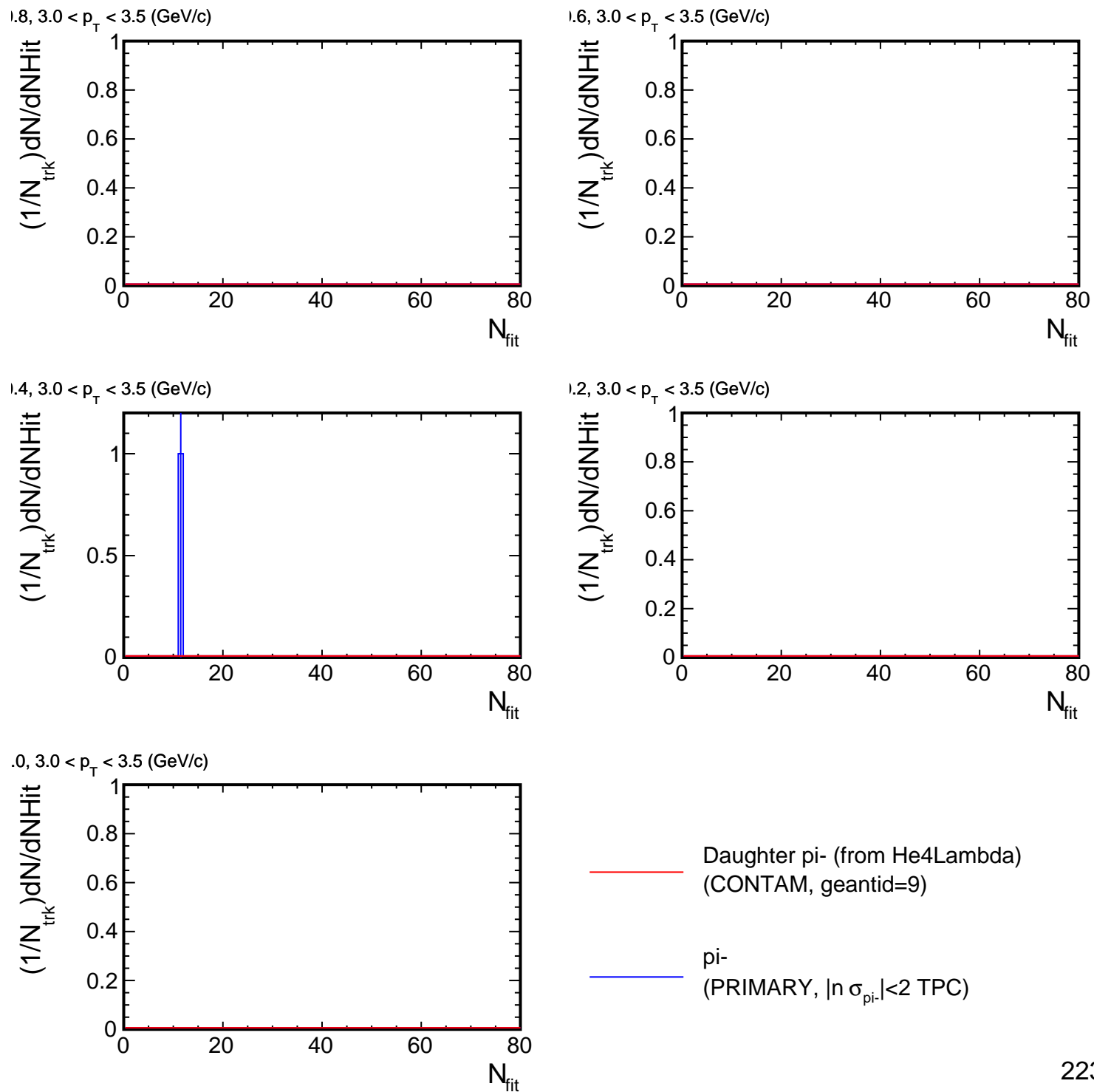
0, $2.5 < p_T < 3.0$ (GeV/c)



— Daughter pi- (from He4Lambda)
(CONTAM, geantid=9)

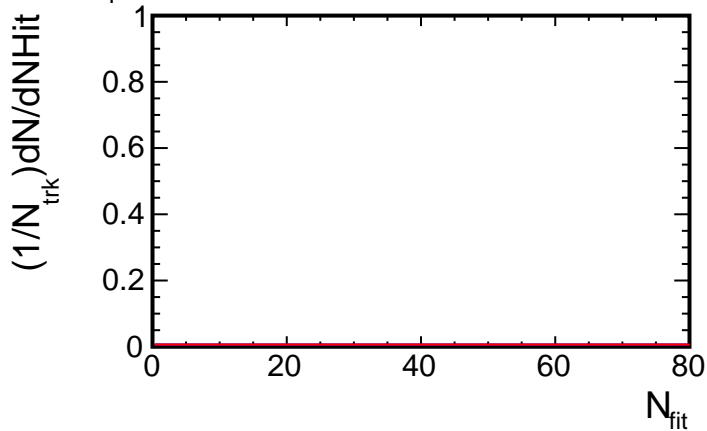
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

NHit distribution for (p_T , η) slices

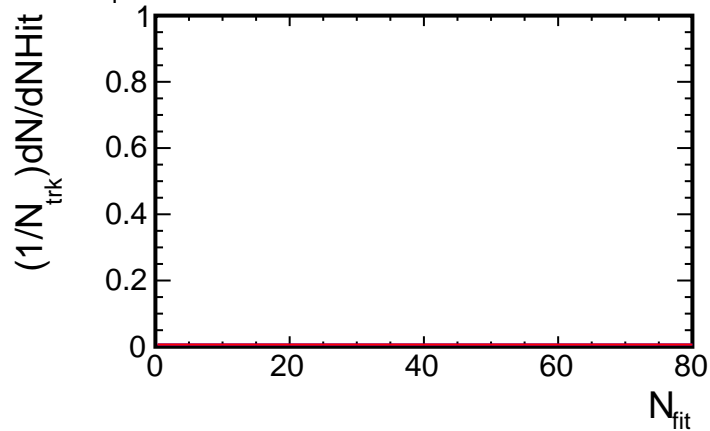


NHit distribution for (p_T , η) slices

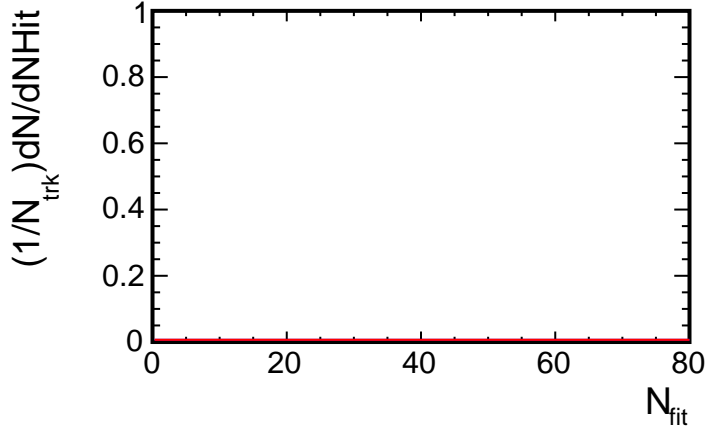
2, $3.0 < p_T < 3.5$ (GeV/c)



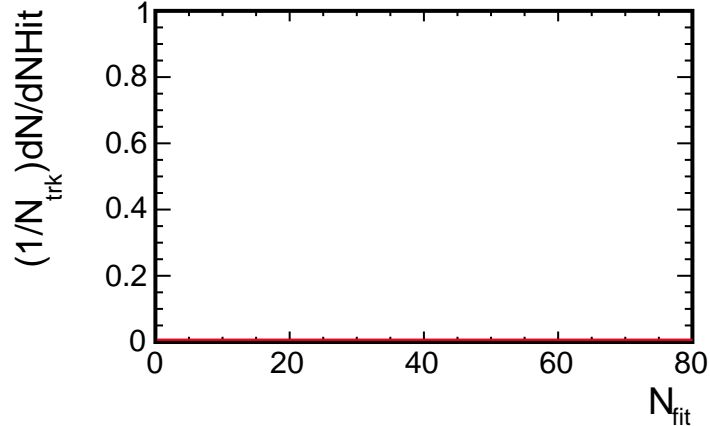
4, $3.0 < p_T < 3.5$ (GeV/c)



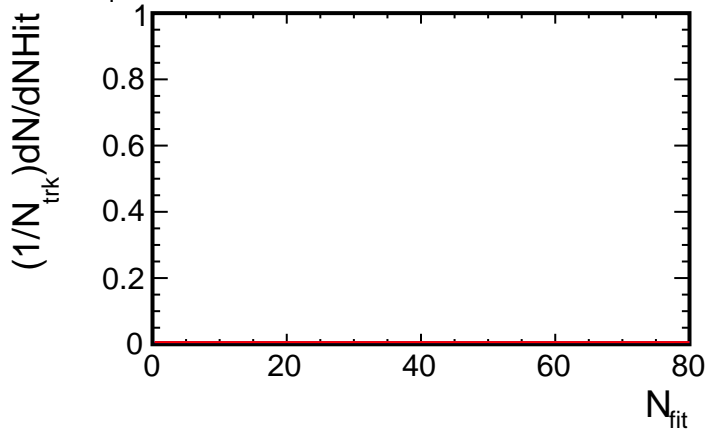
6, $3.0 < p_T < 3.5$ (GeV/c)



8, $3.0 < p_T < 3.5$ (GeV/c)



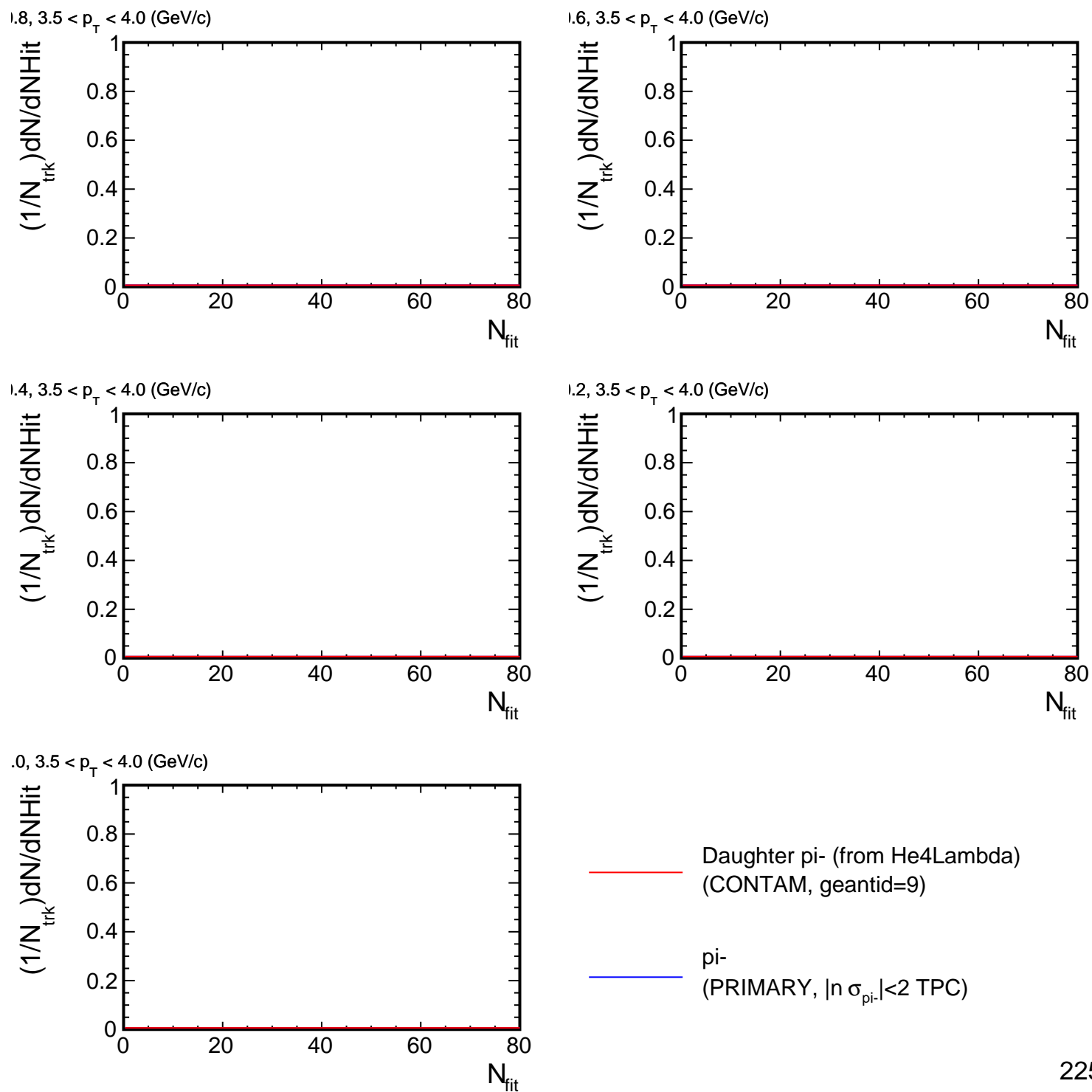
0, $3.0 < p_T < 3.5$ (GeV/c)



— Daughter pi- (from He4Lambda)
(CONTAM, geantid=9)

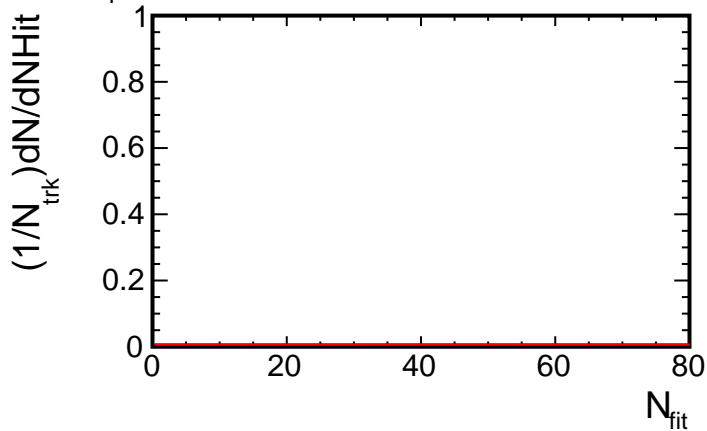
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

NHit distribution for (p_T , η) slices

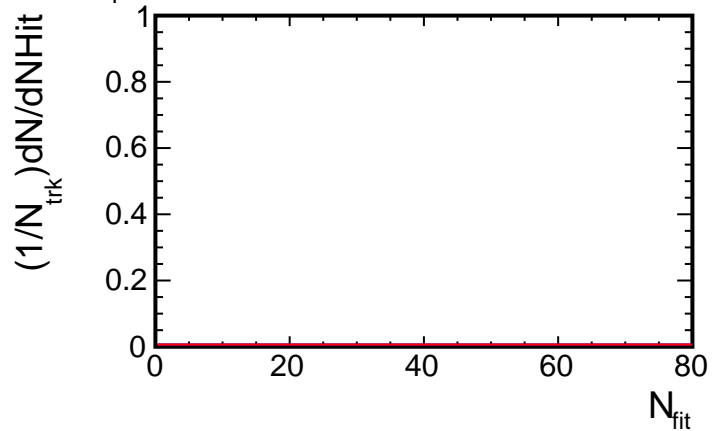


NHit distribution for (p_T , η) slices

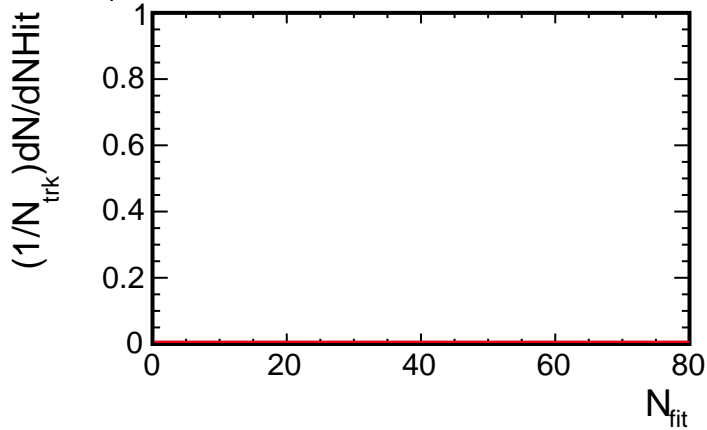
2, $3.5 < p_T < 4.0$ (GeV/c)



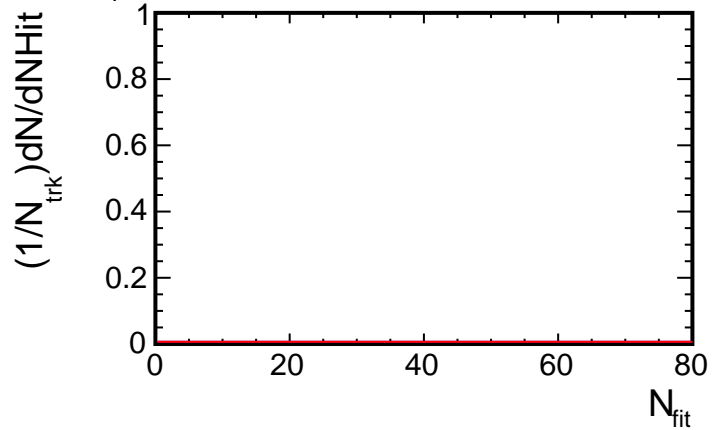
4, $3.5 < p_T < 4.0$ (GeV/c)



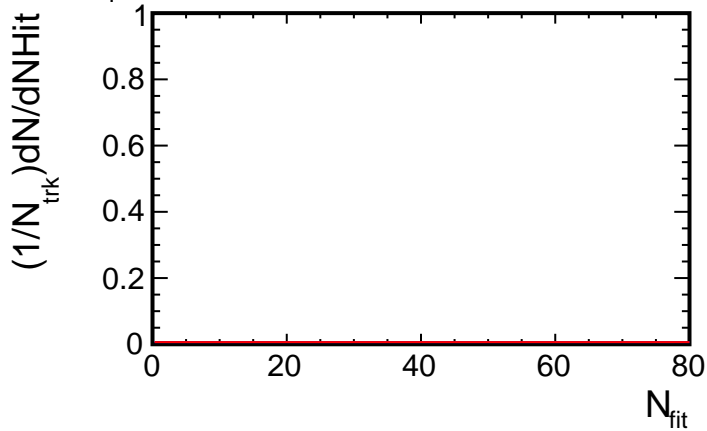
6, $3.5 < p_T < 4.0$ (GeV/c)



8, $3.5 < p_T < 4.0$ (GeV/c)



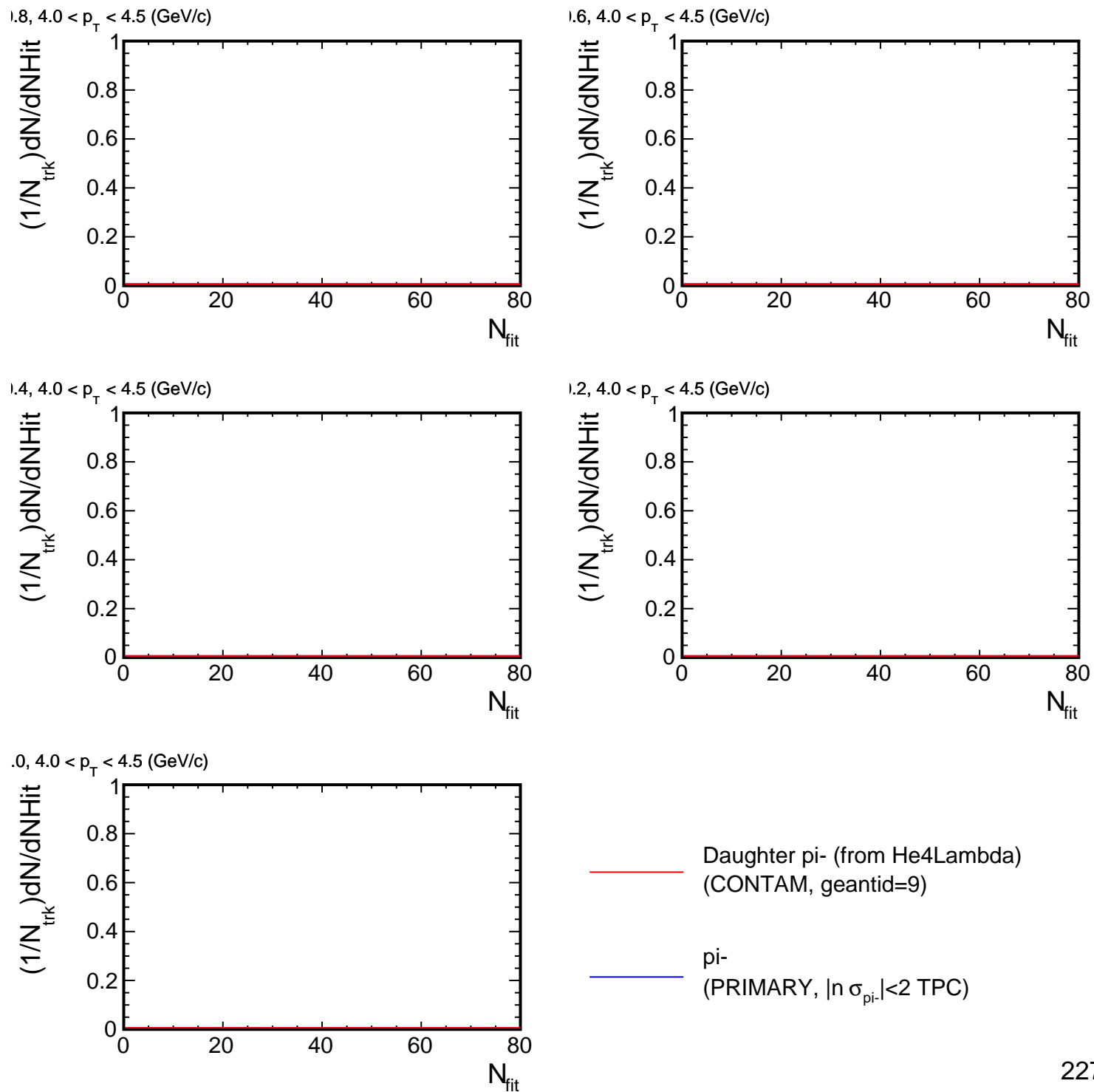
0, $3.5 < p_T < 4.0$ (GeV/c)



— Daughter pi- (from He4Lambda)
(CONTAM, geantid=9)

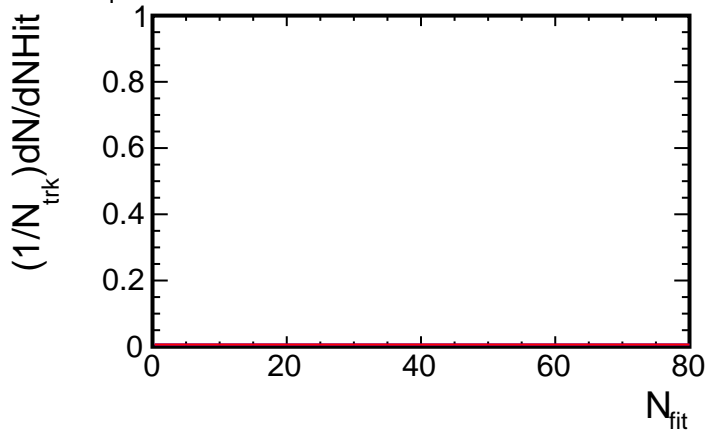
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

NHit distribution for (p_T, η) slices

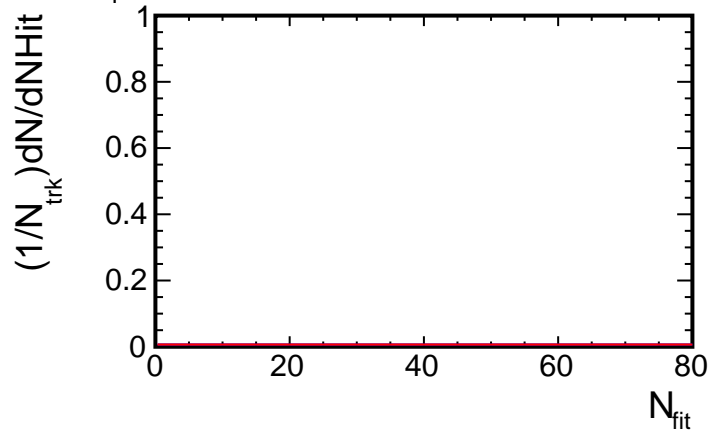


NHit distribution for (p_T , η) slices

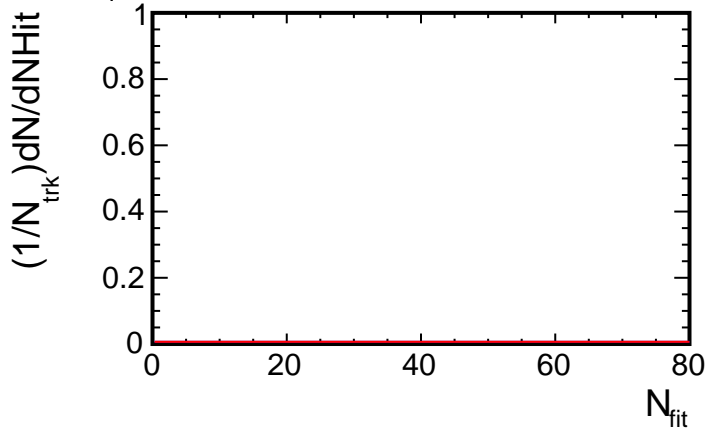
2, $4.0 < p_T < 4.5$ (GeV/c)



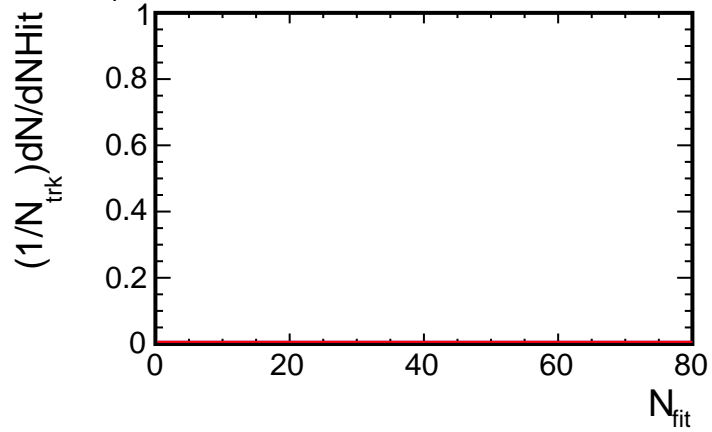
4, $4.0 < p_T < 4.5$ (GeV/c)



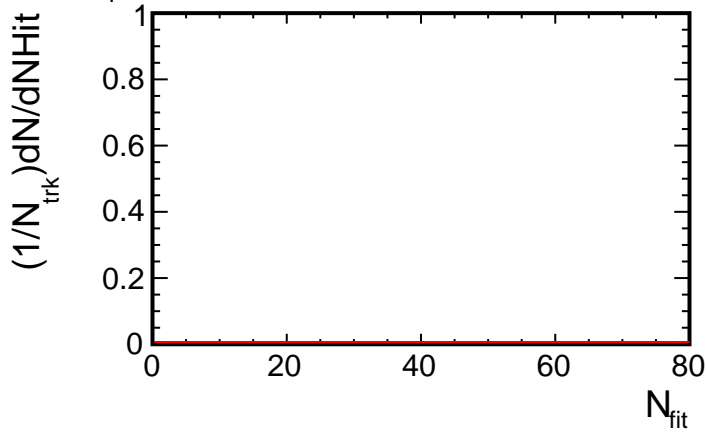
6, $4.0 < p_T < 4.5$ (GeV/c)



8, $4.0 < p_T < 4.5$ (GeV/c)



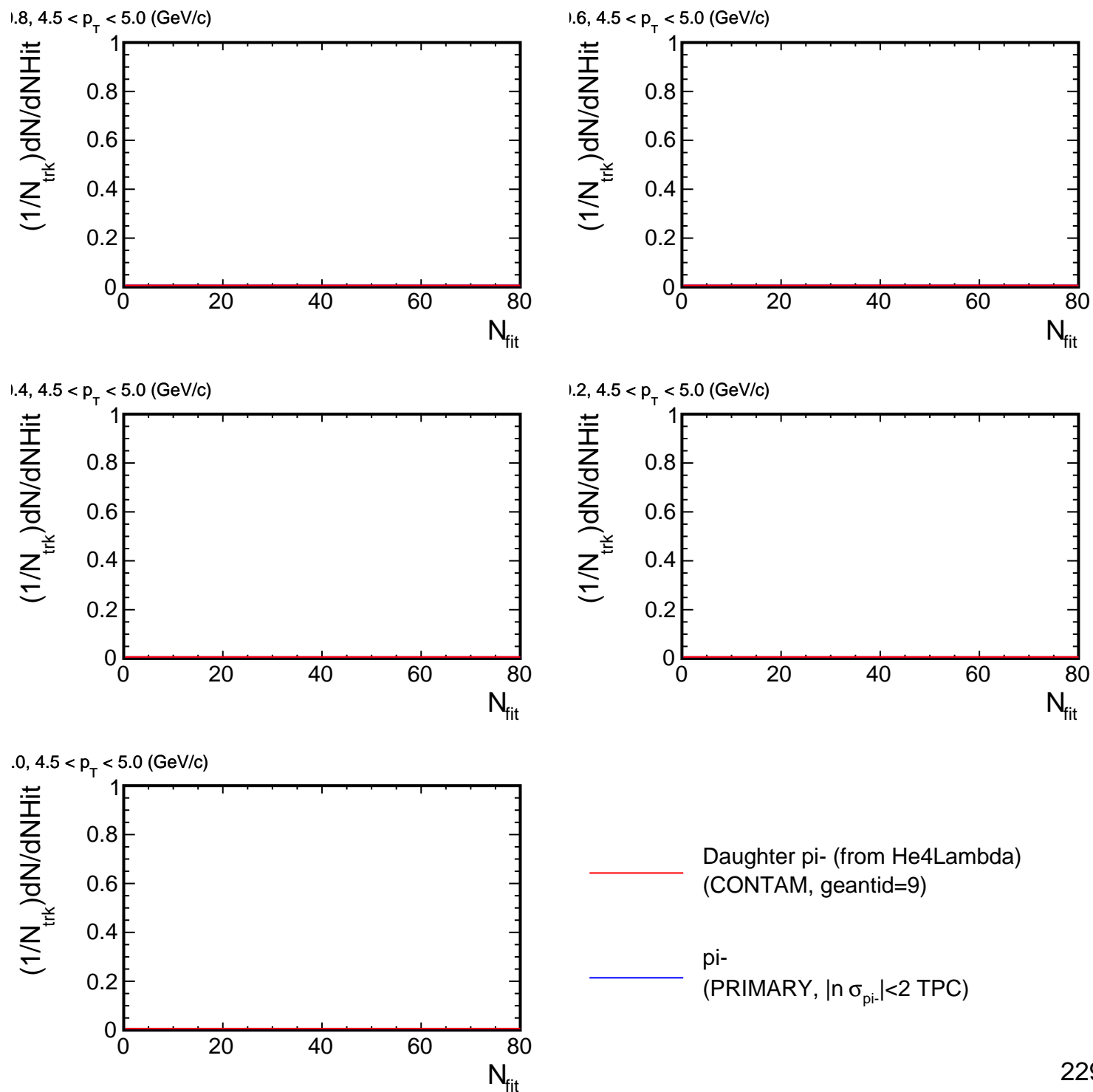
0, $4.0 < p_T < 4.5$ (GeV/c)



— Daughter pi- (from He4Lambda)
(CONTAM, geantid=9)

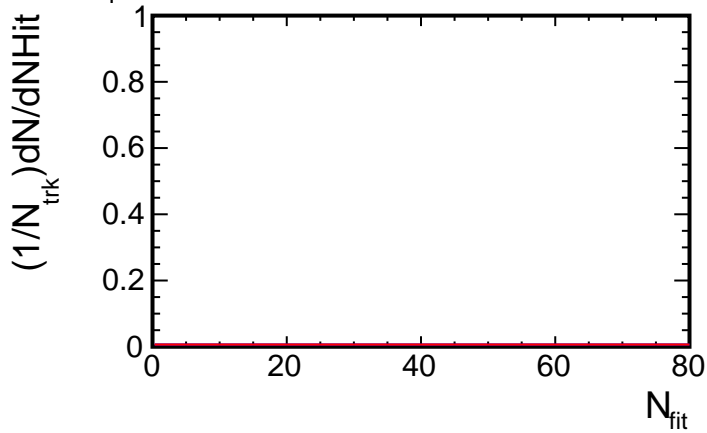
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

NHit distribution for (p_T , η) slices

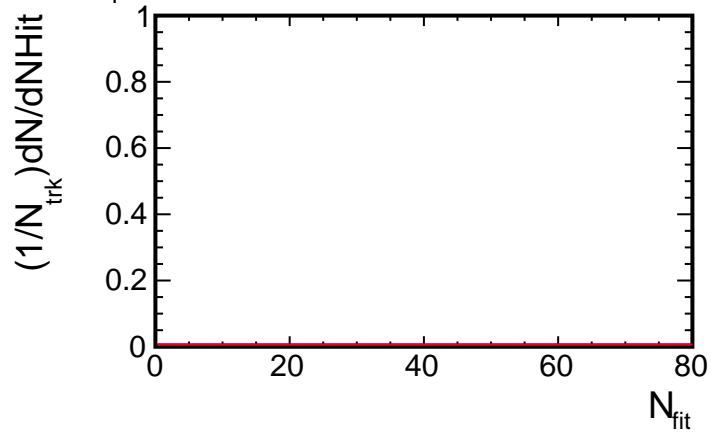


NHit distribution for (p_T, η) slices

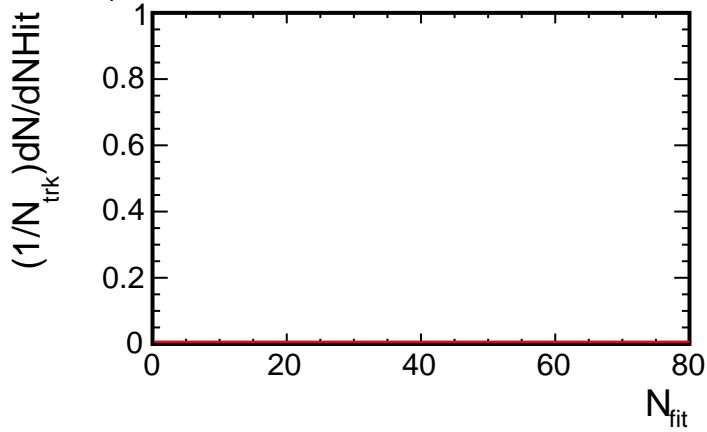
2, $4.5 < p_T < 5.0$ (GeV/c)



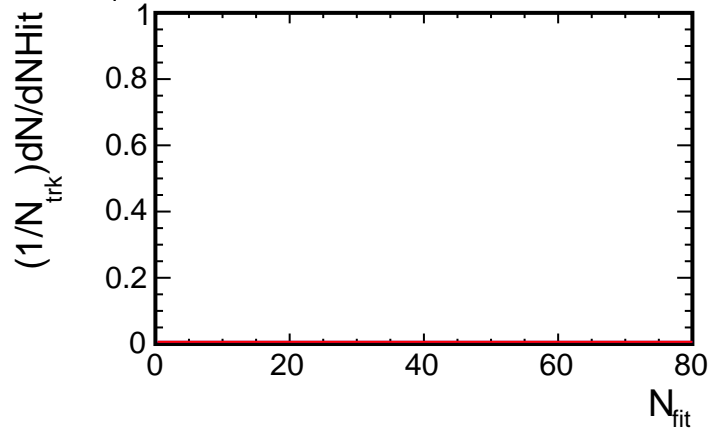
4, $4.5 < p_T < 5.0$ (GeV/c)



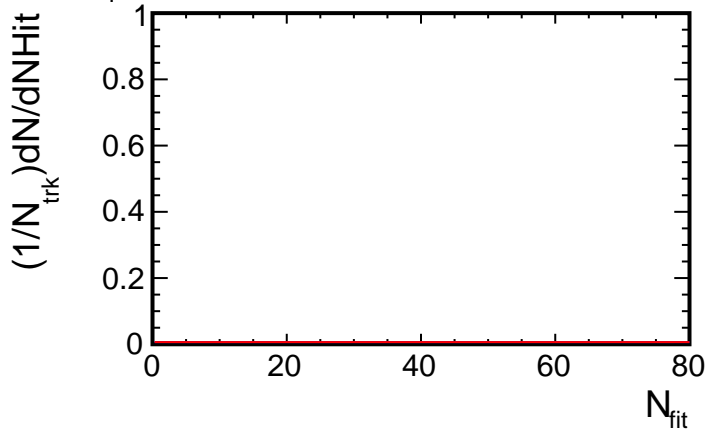
6, $4.5 < p_T < 5.0$ (GeV/c)



8, $4.5 < p_T < 5.0$ (GeV/c)



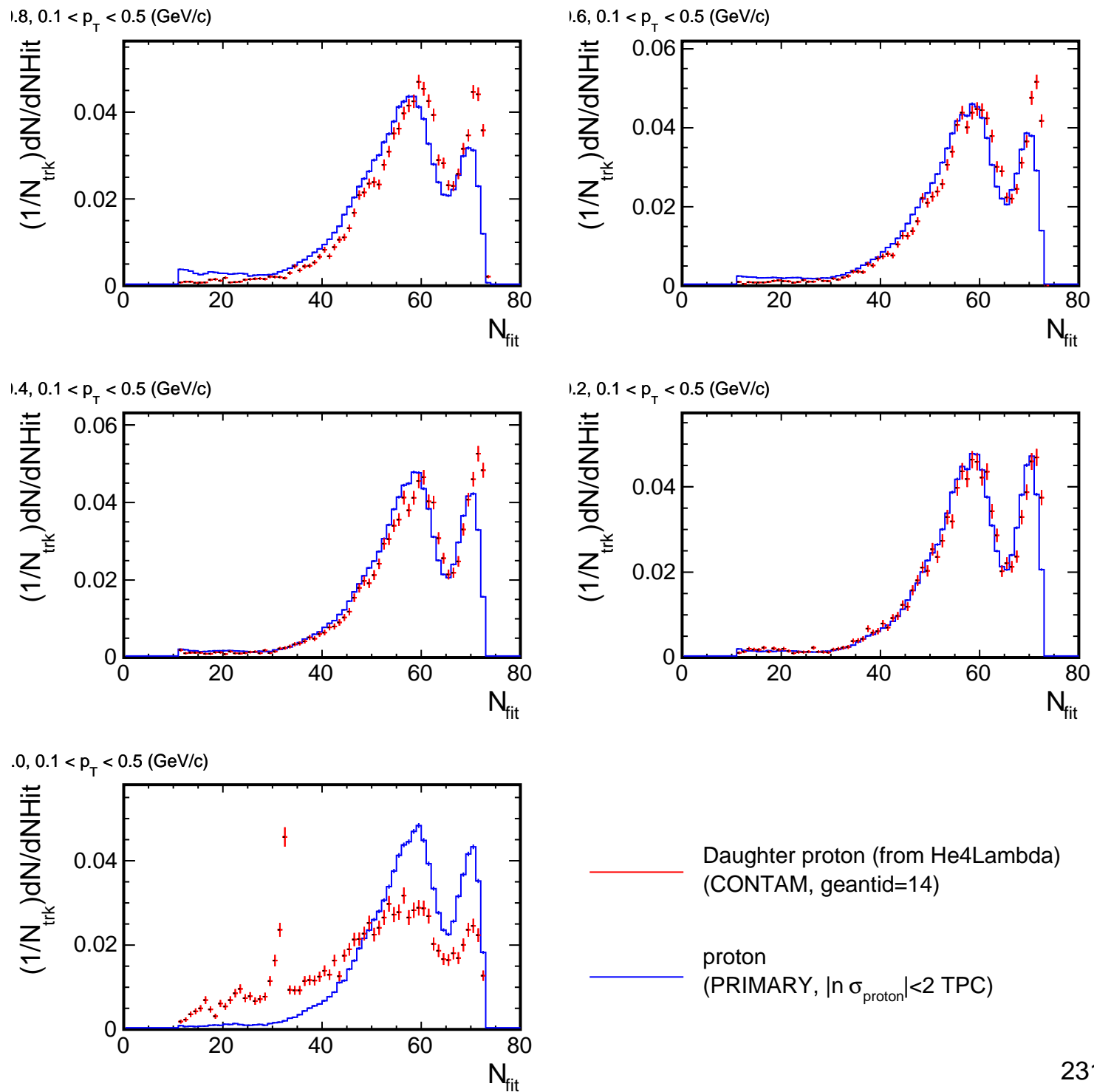
0, $4.5 < p_T < 5.0$ (GeV/c)



— Daughter pi- (from He4Lambda)
(CONTAM, geantid=9)

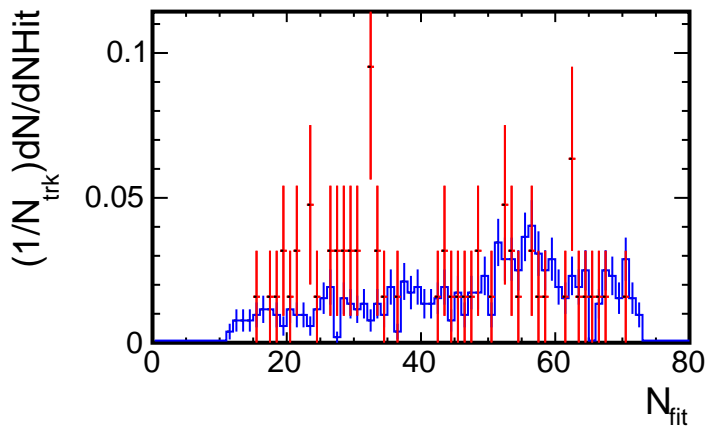
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

NHit distribution for (p_T , η) slices

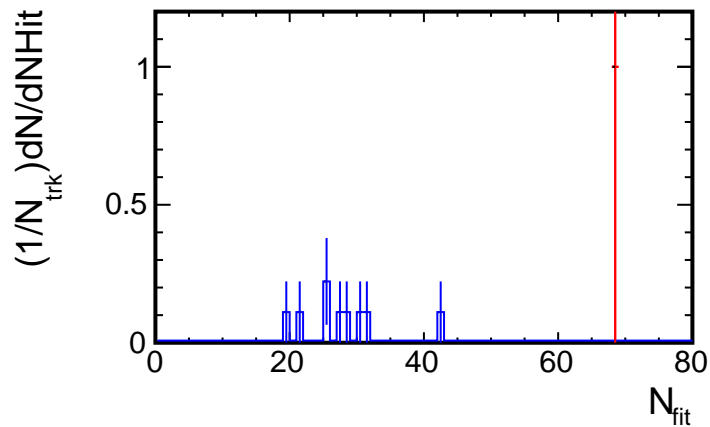


NHit distribution for (p_T , η) slices

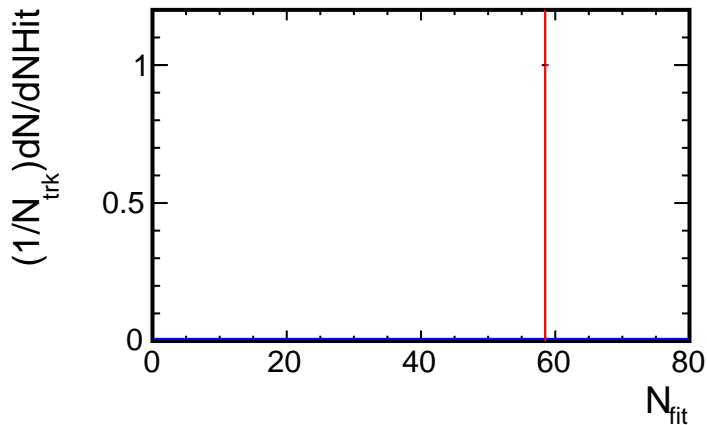
2, $0.1 < p_T < 0.5$ (GeV/c)



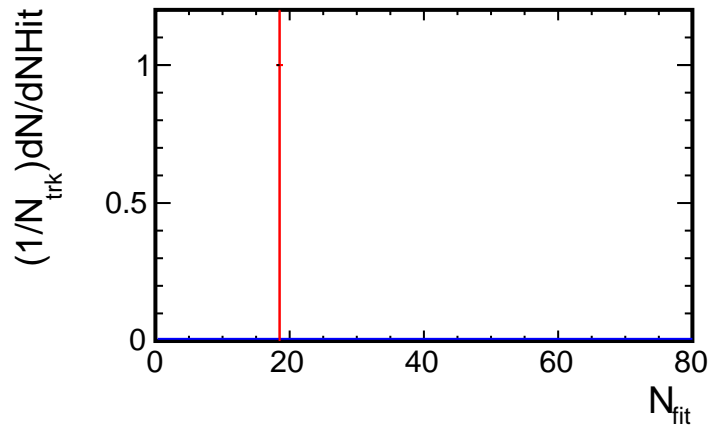
4, $0.1 < p_T < 0.5$ (GeV/c)



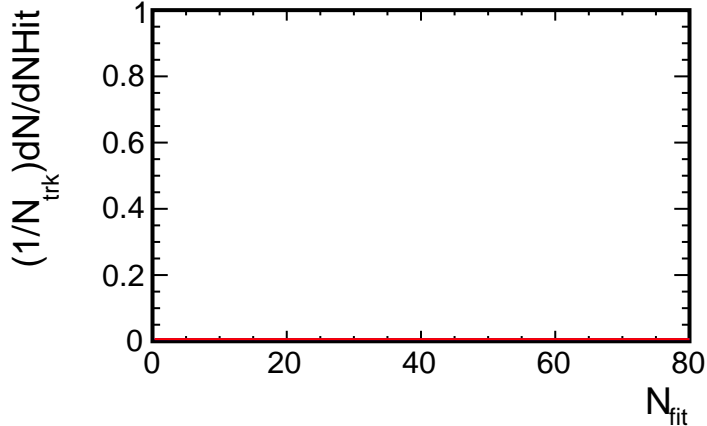
6, $0.1 < p_T < 0.5$ (GeV/c)



8, $0.1 < p_T < 0.5$ (GeV/c)



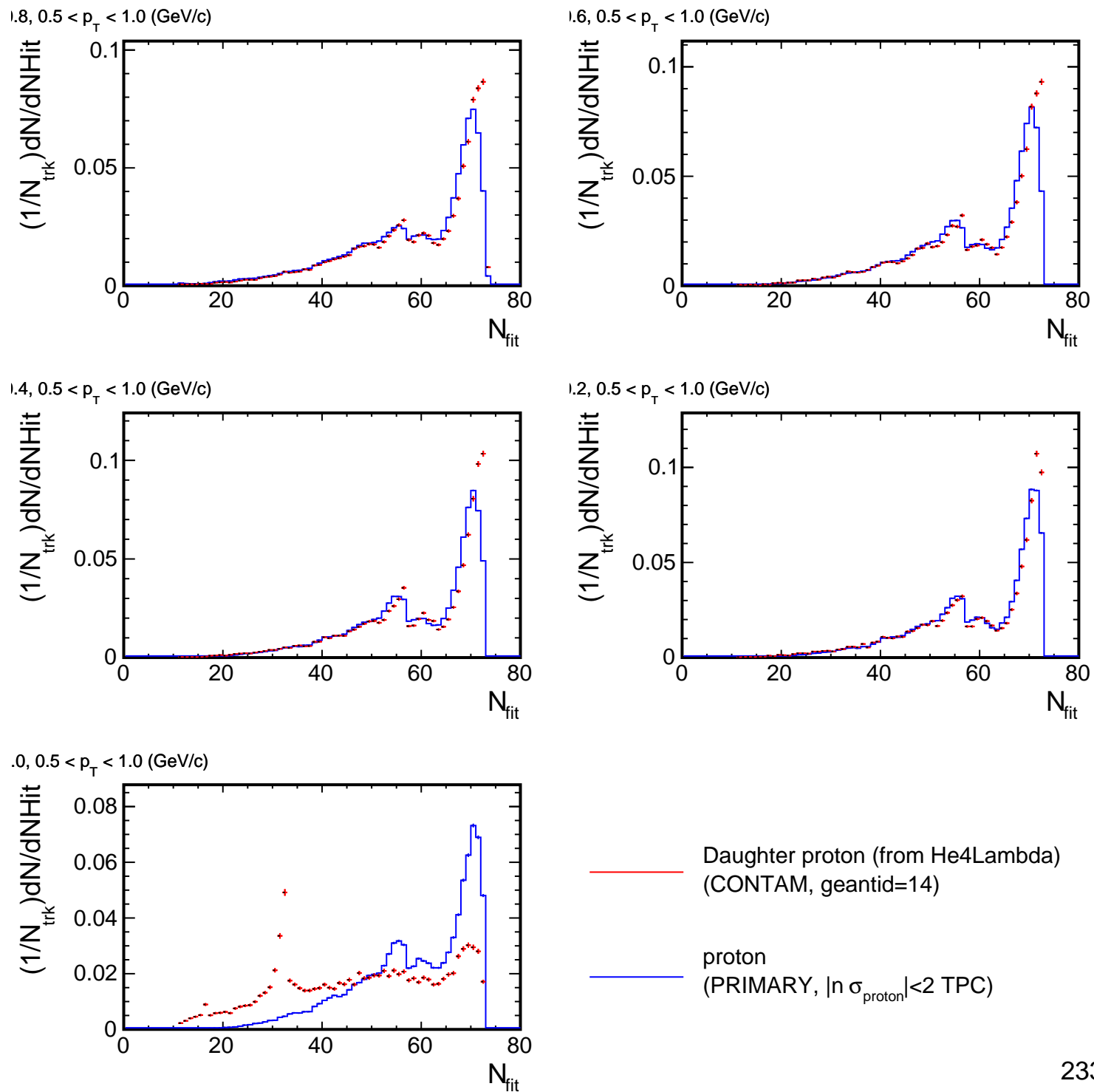
0, $0.1 < p_T < 0.5$ (GeV/c)



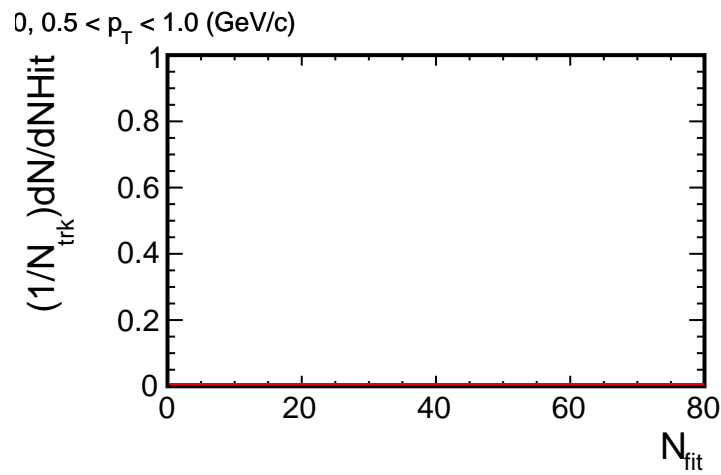
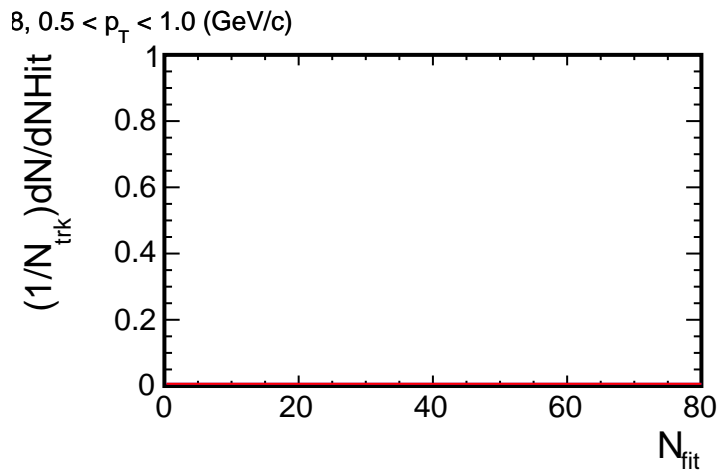
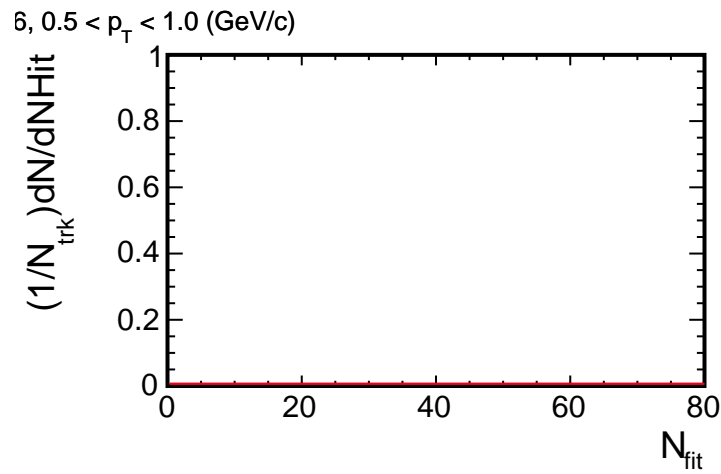
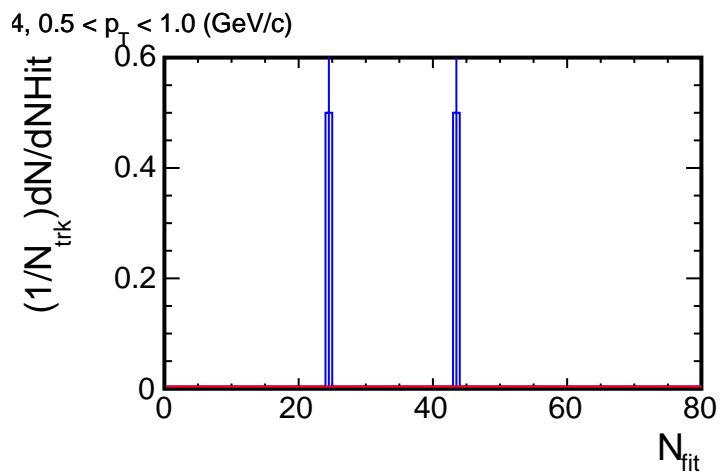
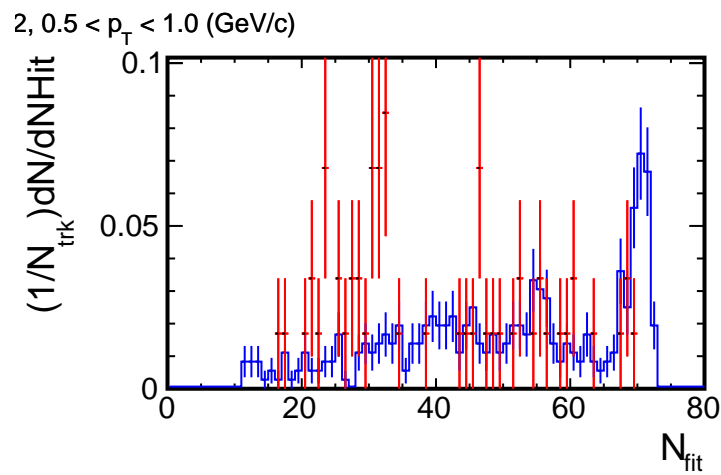
— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

NHit distribution for (p_T , η) slices



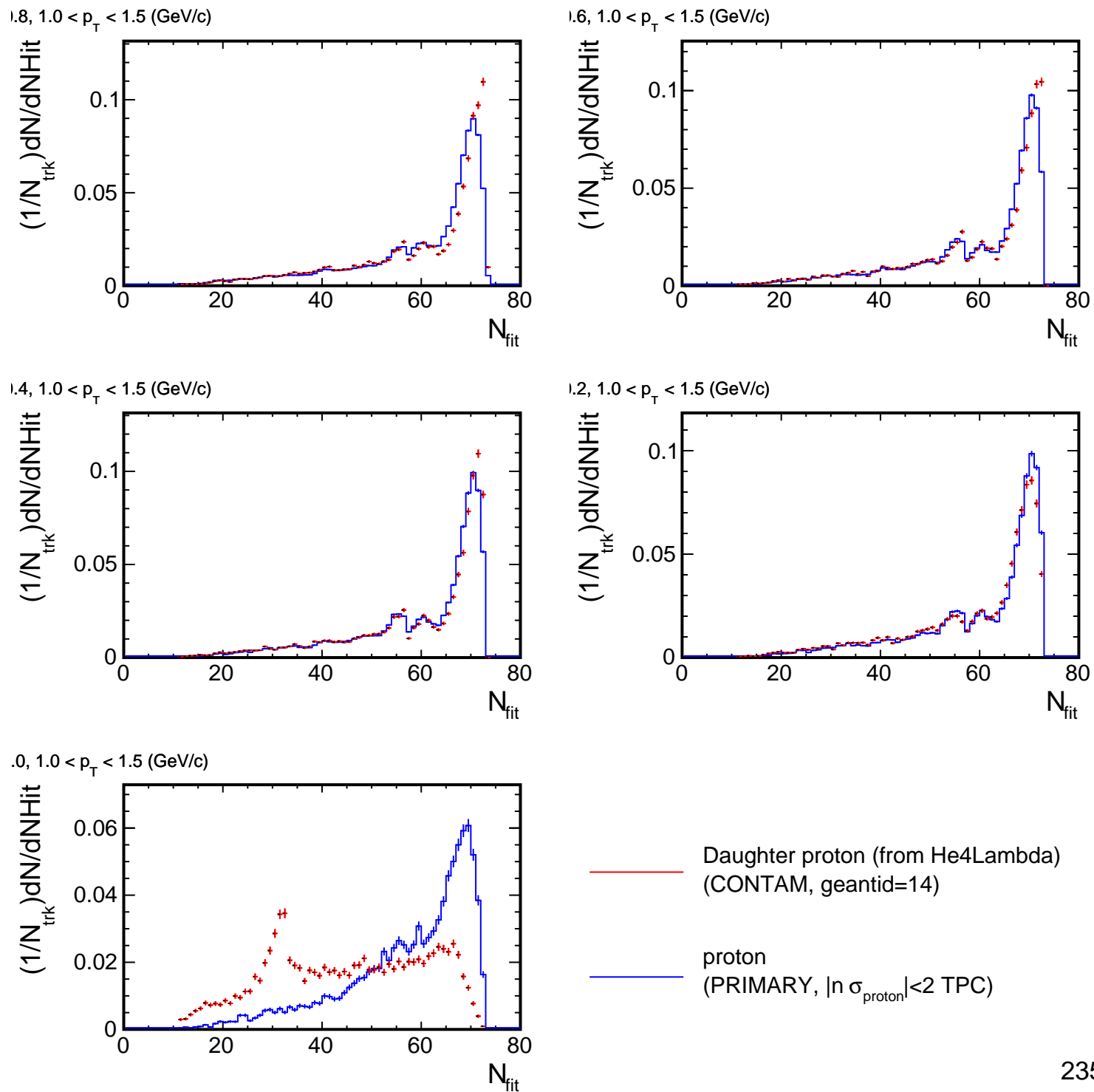
NHit distribution for (p_T , η) slices



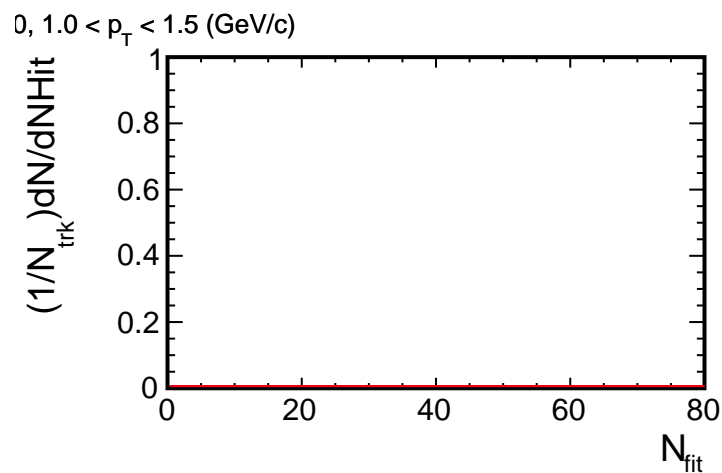
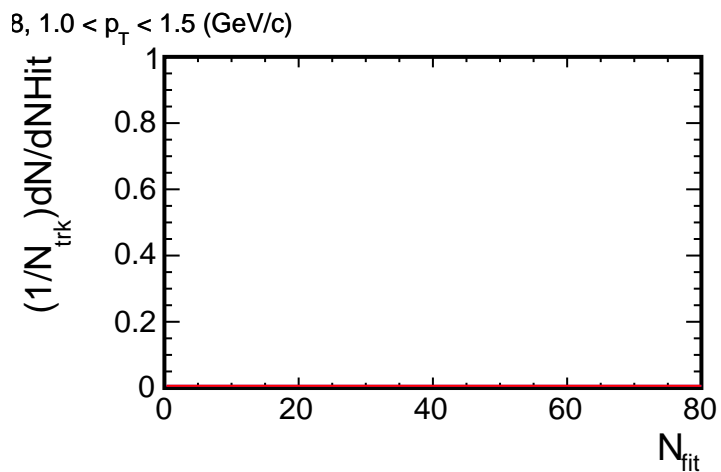
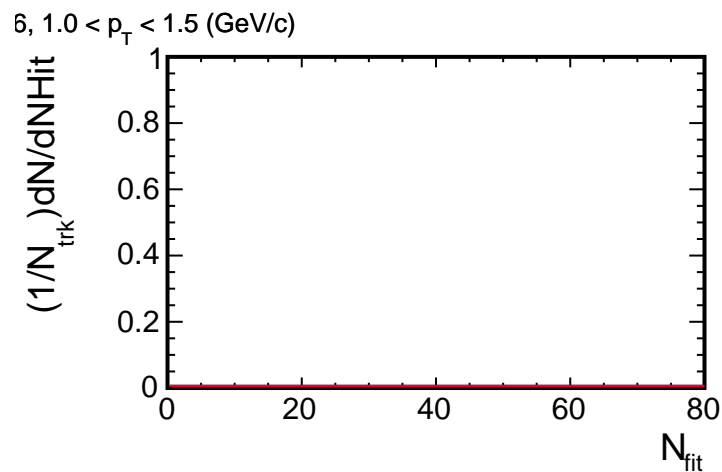
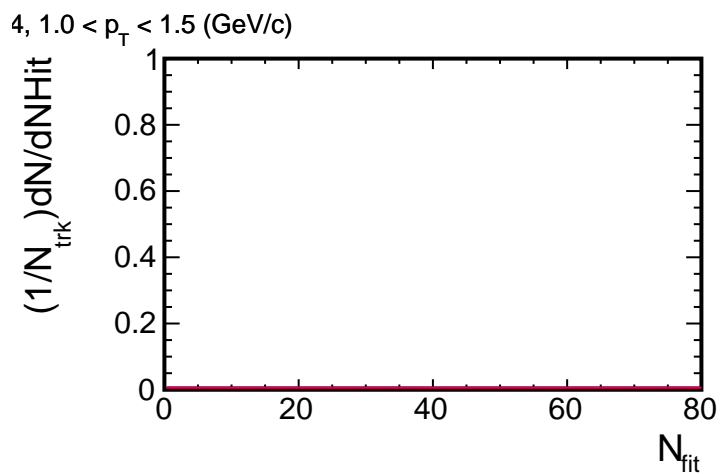
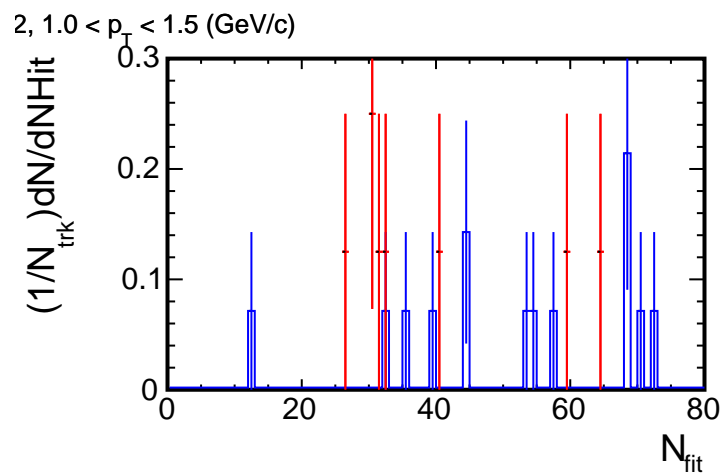
— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

NHit distribution for (p_T , η) slices



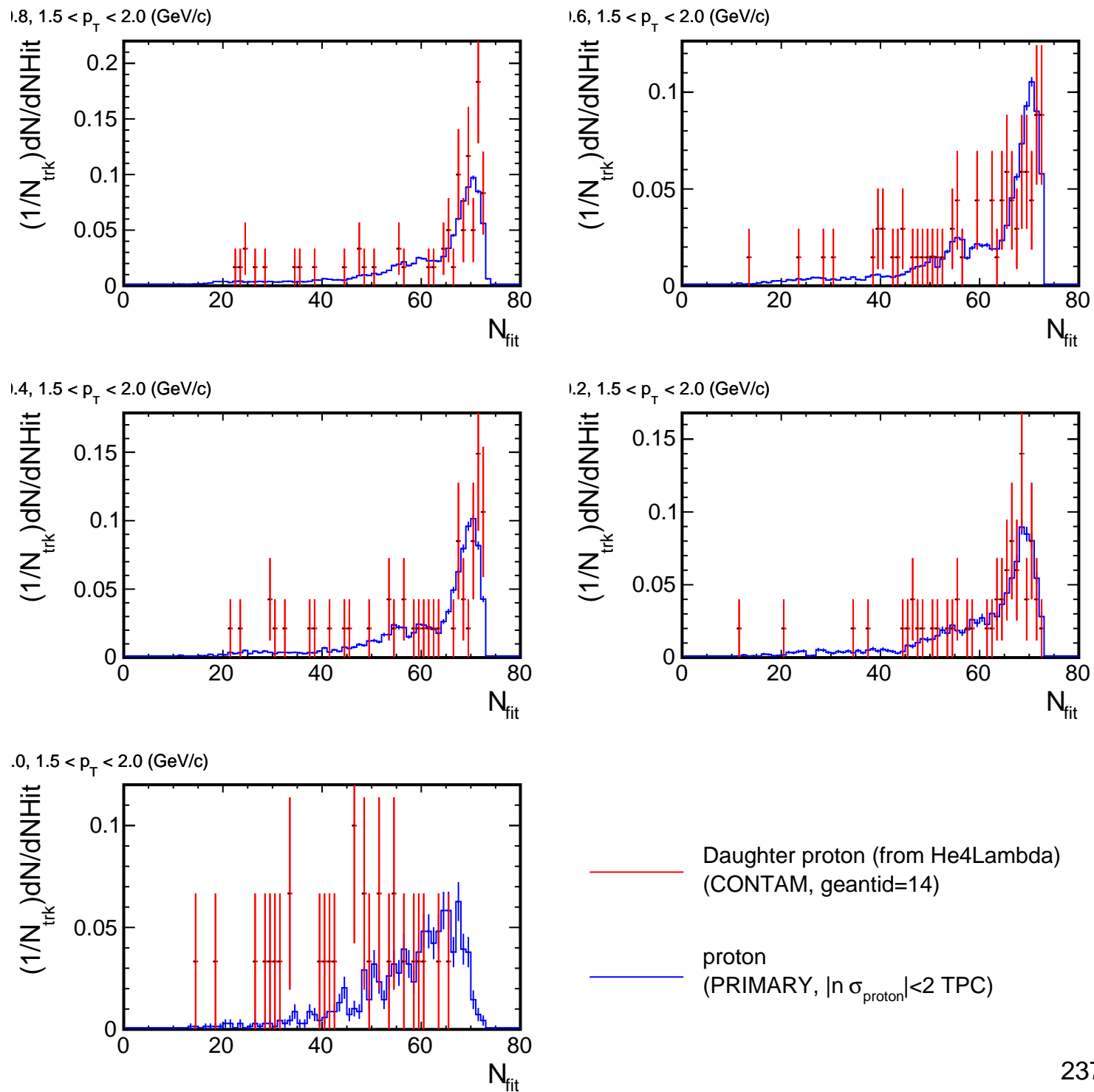
NHit distribution for (p_T , η) slices



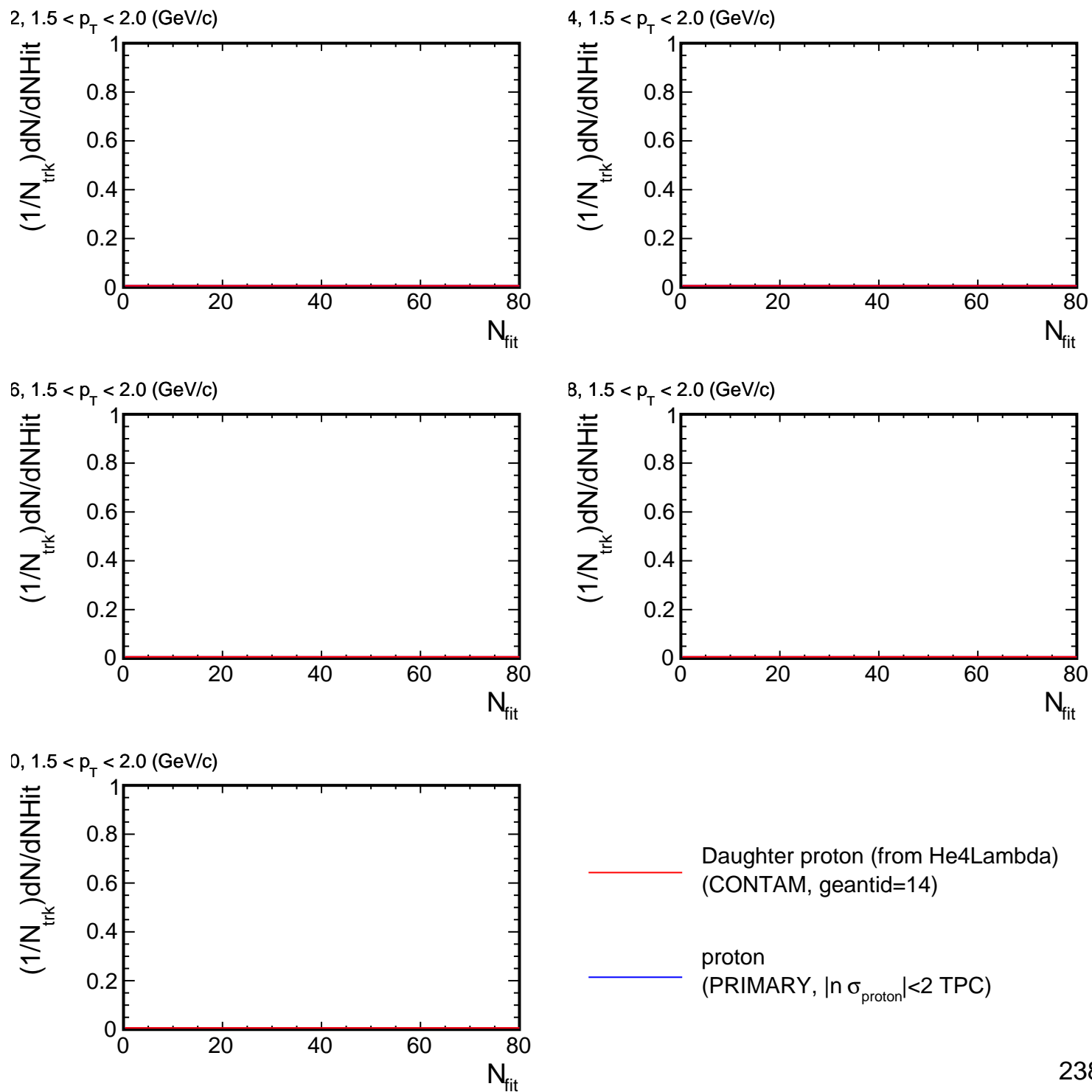
— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

— proton
(PRIMARY, $|n \sigma_{\text{proton}}| < 2$ TPC)

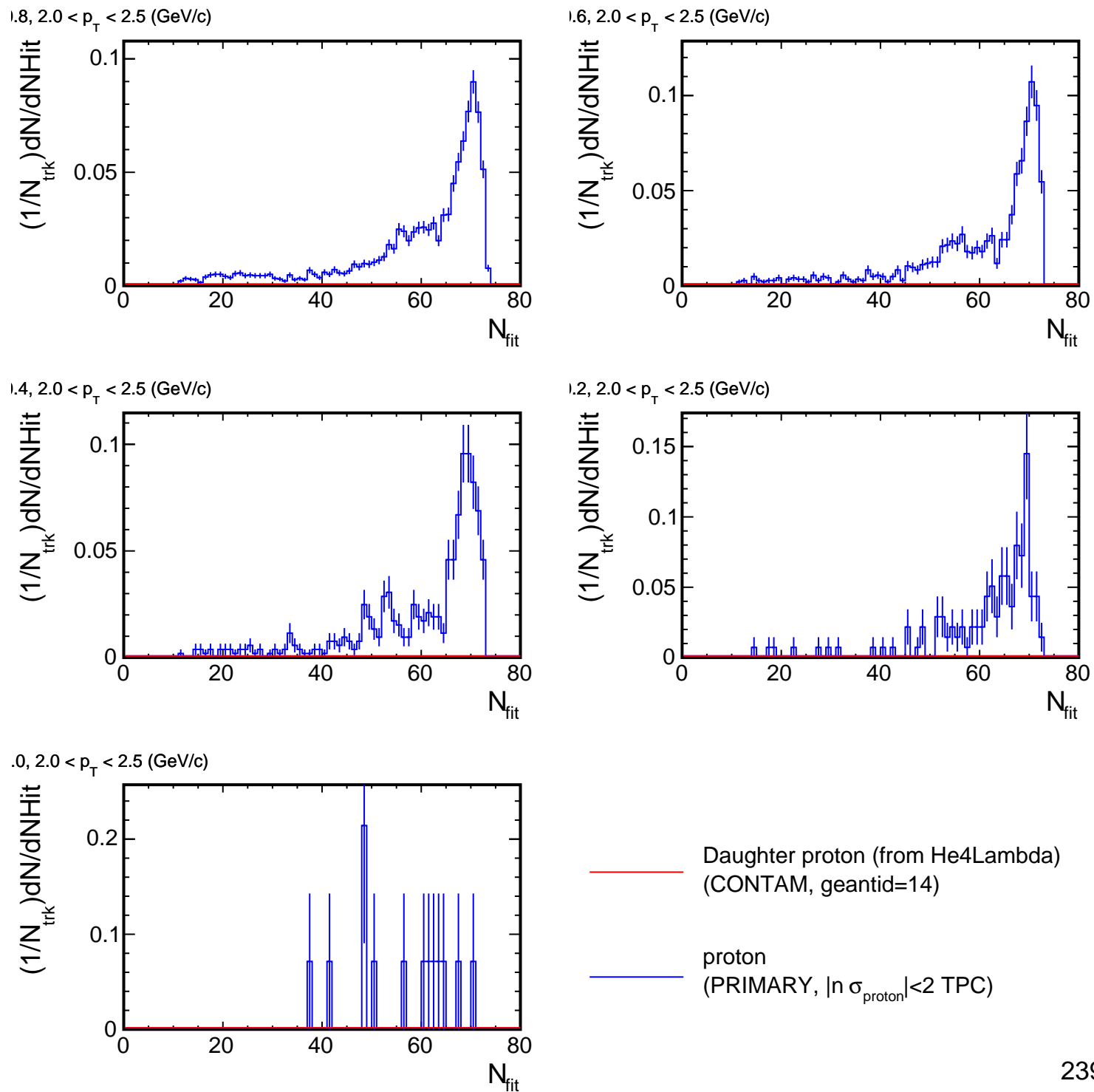
NHit distribution for (p_T , η) slices



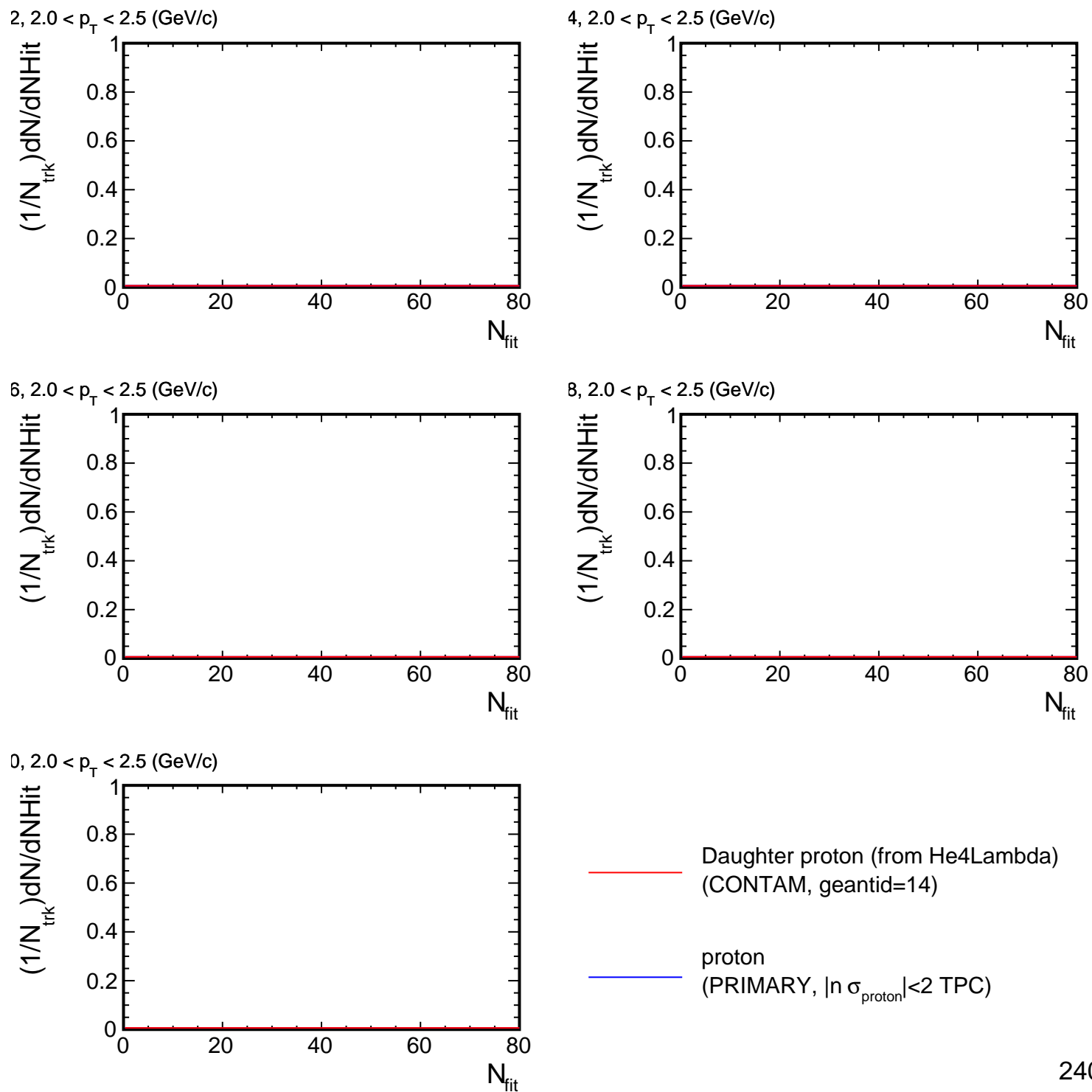
NHit distribution for (p_T, η) slices



NHit distribution for (p_T , η) slices

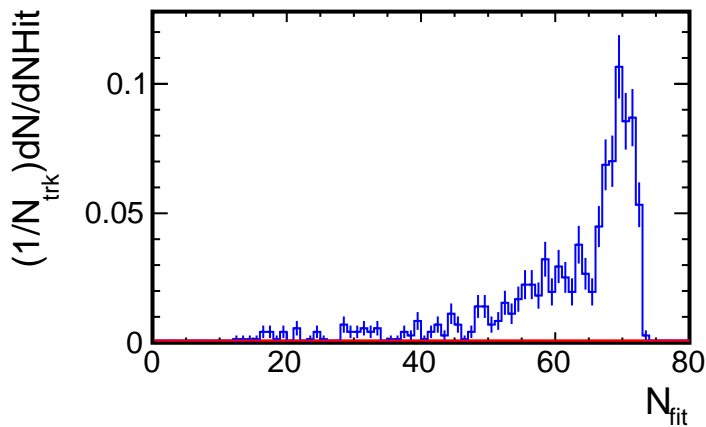


NHit distribution for (p_T , η) slices

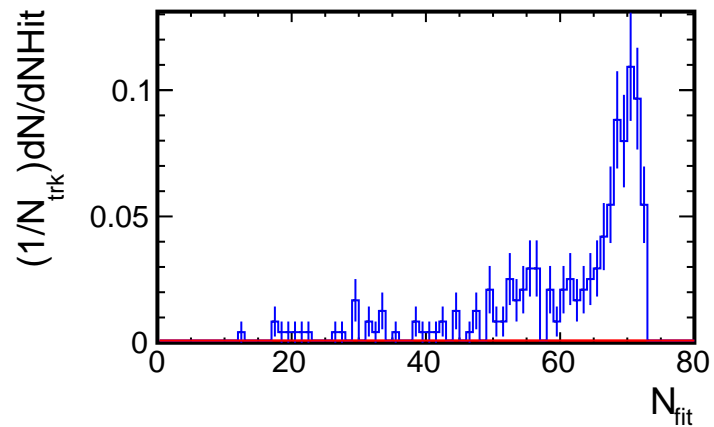


NHit distribution for (p_T , η) slices

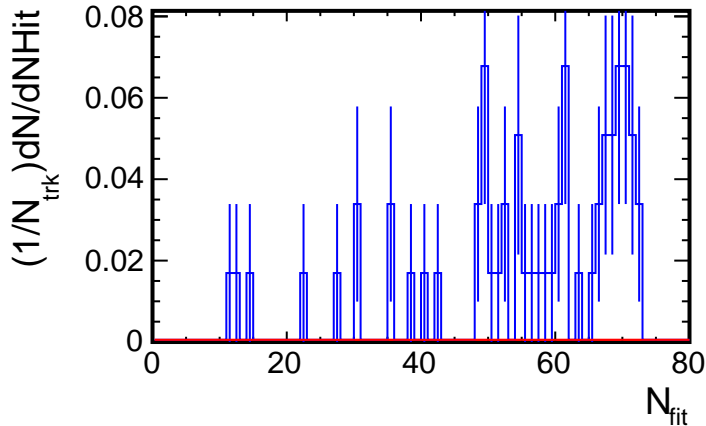
1.8, $2.5 < p_T < 3.0$ (GeV/c)



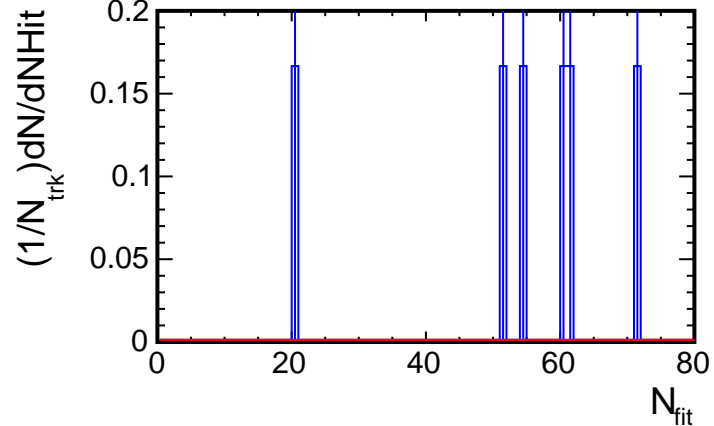
1.6, $2.5 < p_T < 3.0$ (GeV/c)



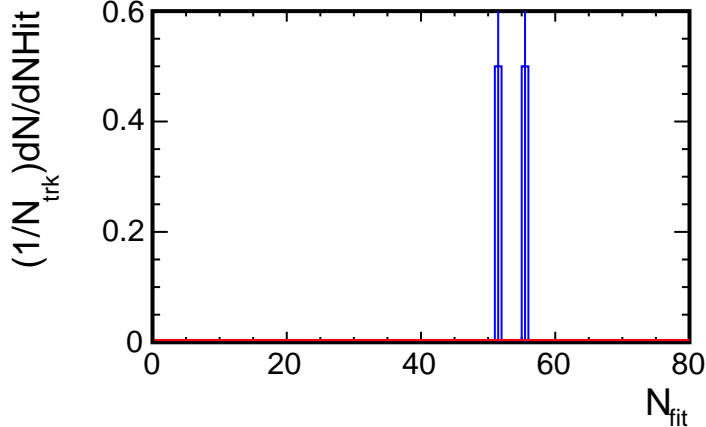
1.4, $2.5 < p_T < 3.0$ (GeV/c)



1.2, $2.5 < p_T < 3.0$ (GeV/c)



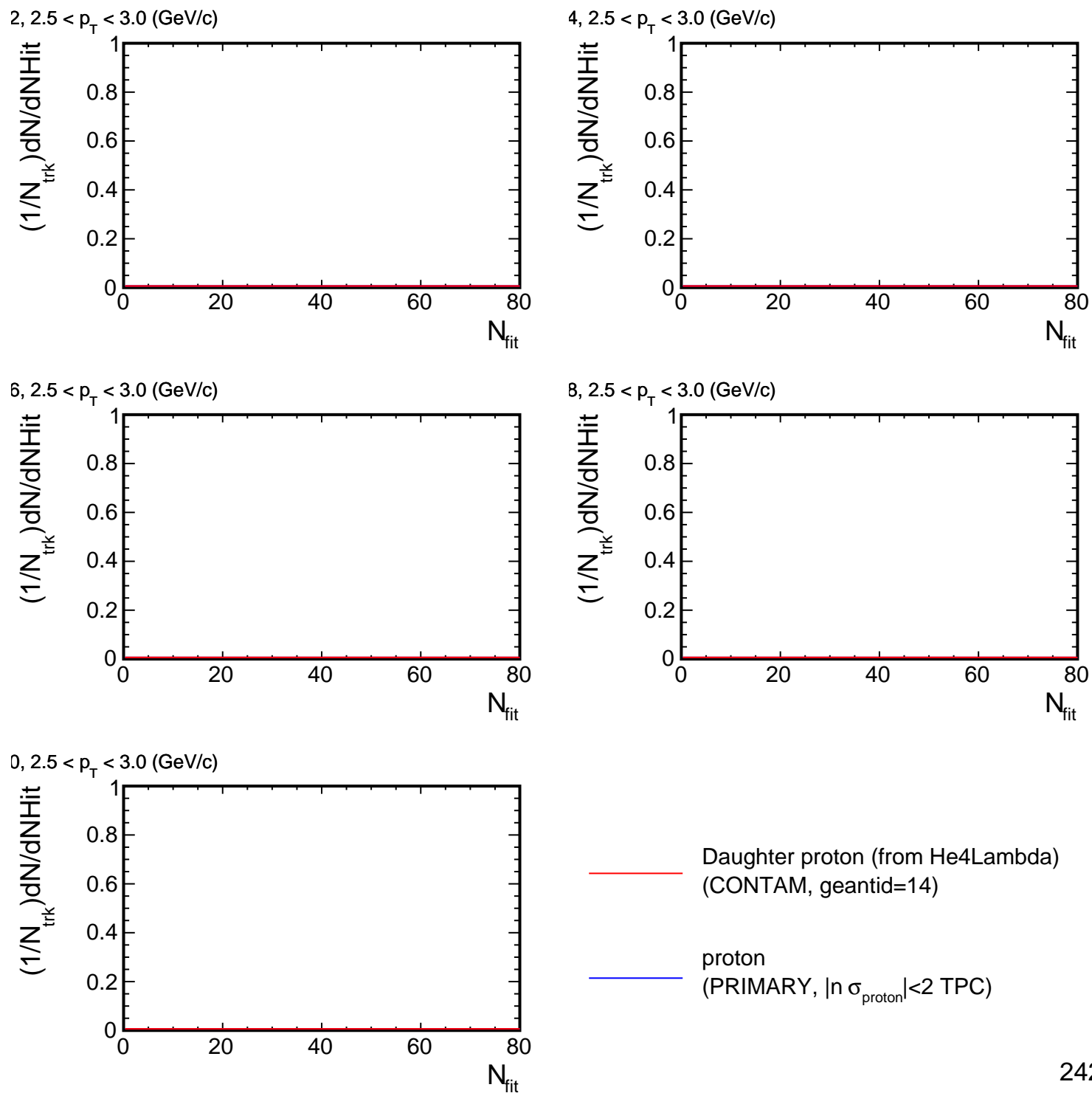
1.0, $2.5 < p_T < 3.0$ (GeV/c)



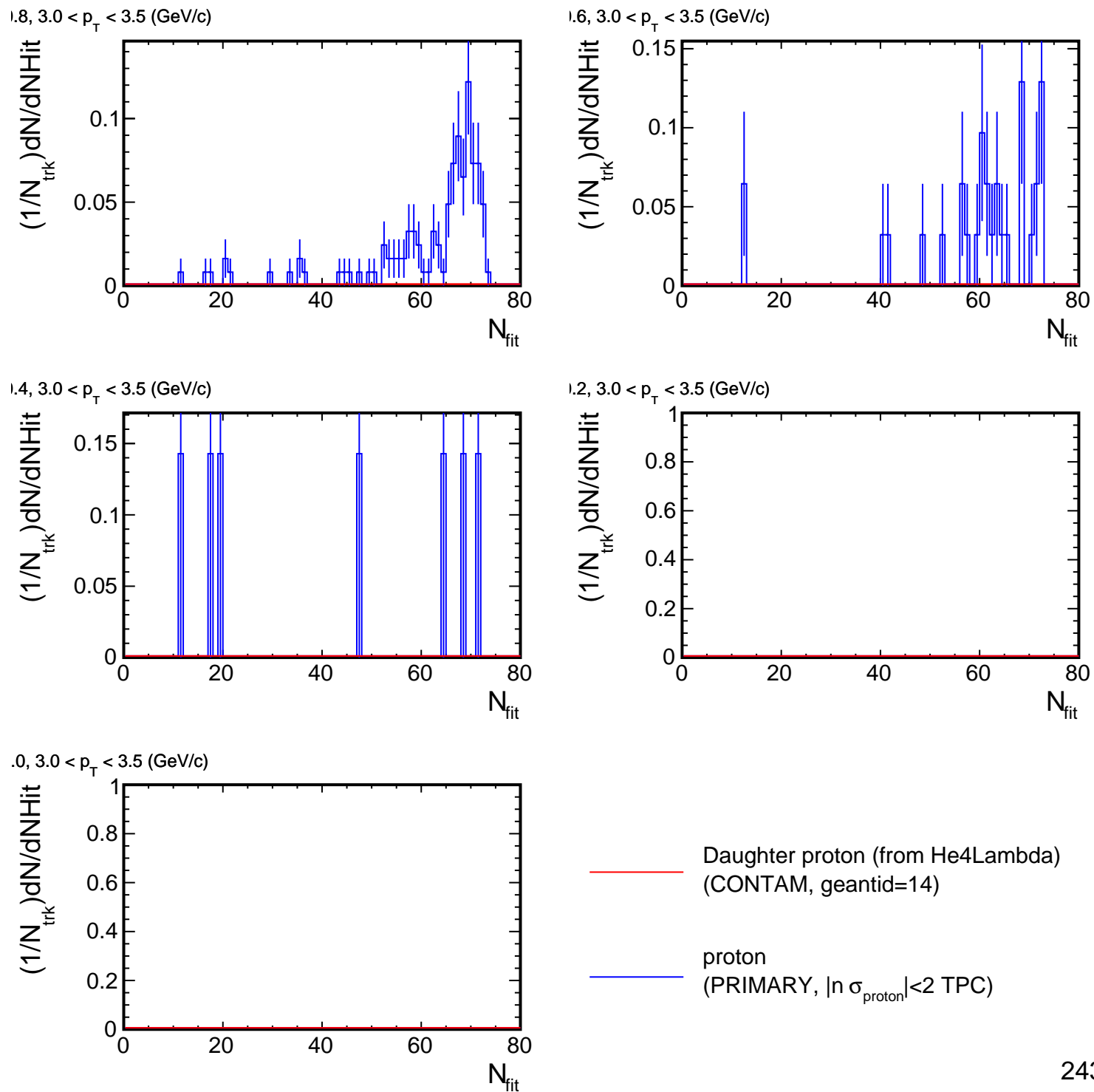
— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

NHit distribution for (p_T , η) slices

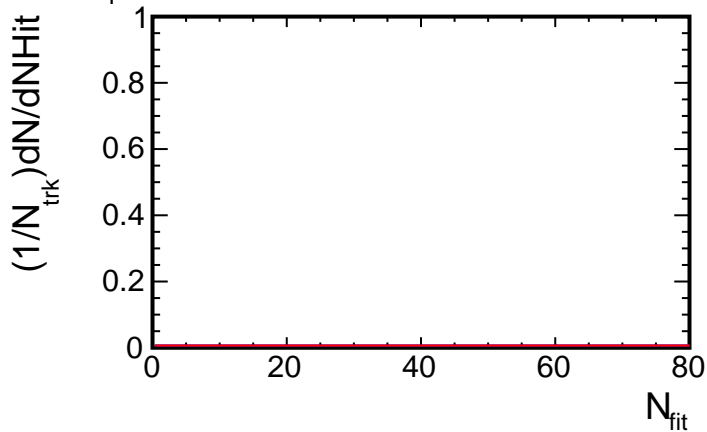


NHit distribution for (p_T , η) slices

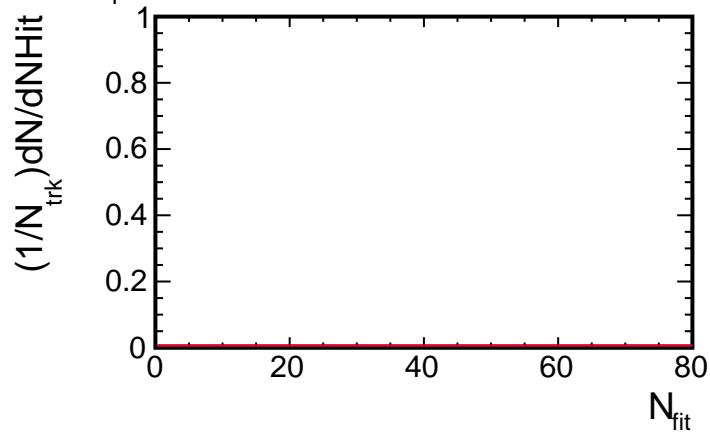


NHit distribution for (p_T , η) slices

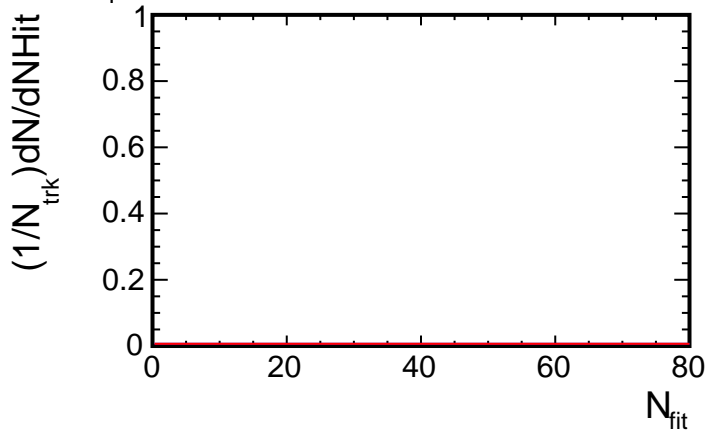
2, $3.0 < p_T < 3.5$ (GeV/c)



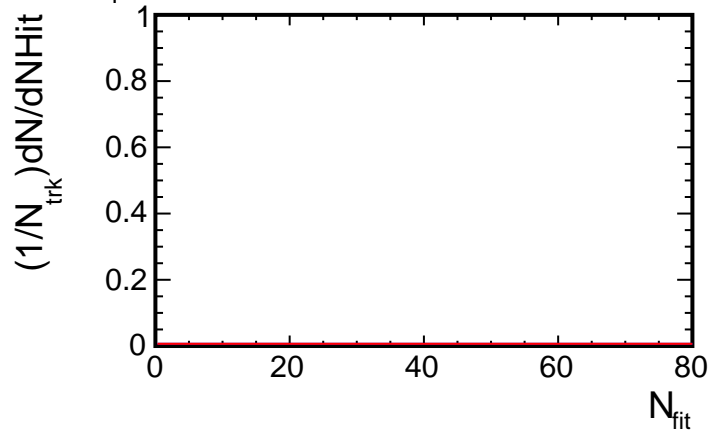
4, $3.0 < p_T < 3.5$ (GeV/c)



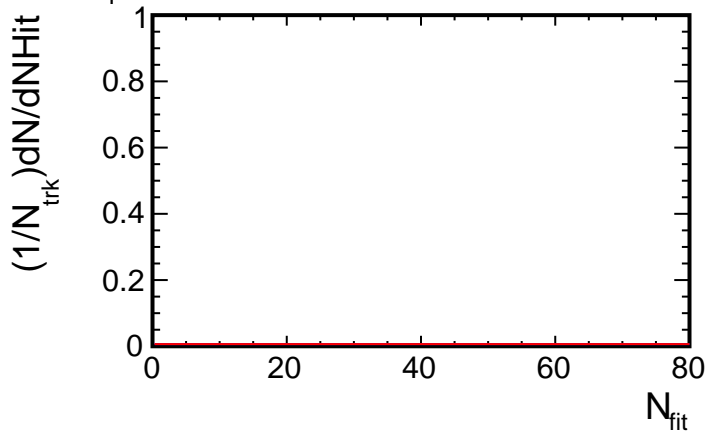
6, $3.0 < p_T < 3.5$ (GeV/c)



8, $3.0 < p_T < 3.5$ (GeV/c)



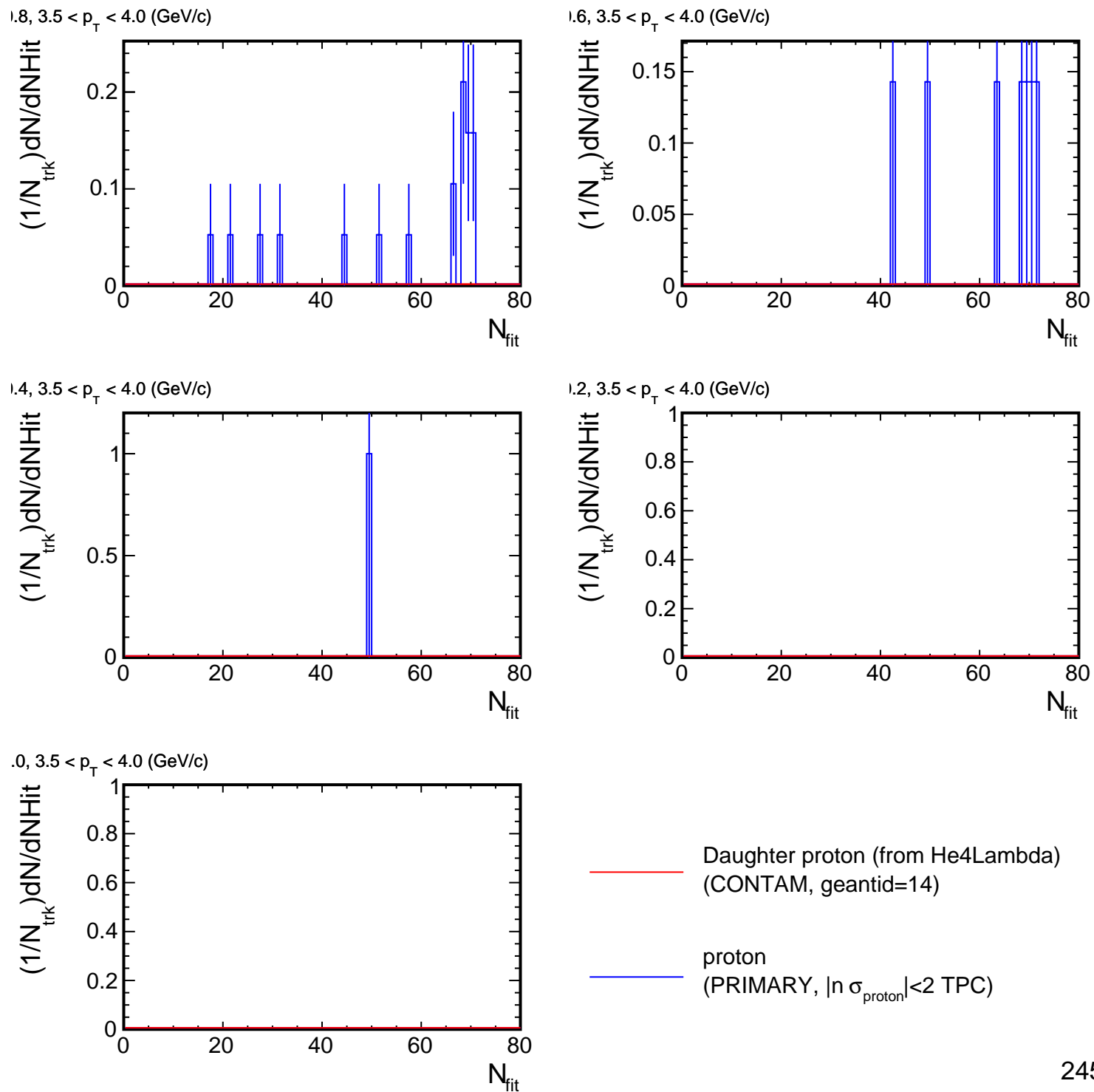
0, $3.0 < p_T < 3.5$ (GeV/c)



— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

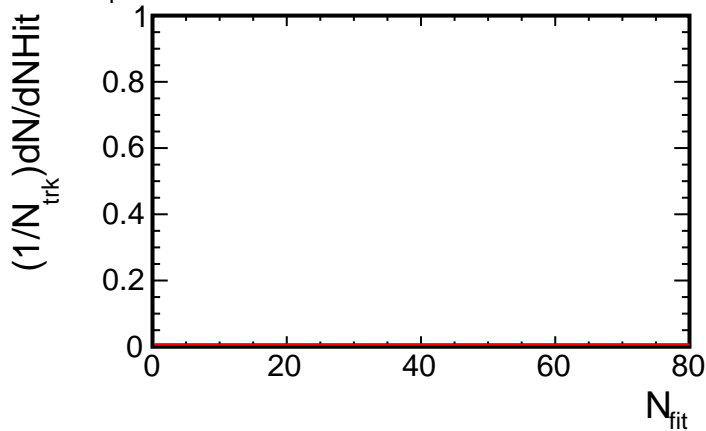
— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

NHit distribution for (p_T , η) slices

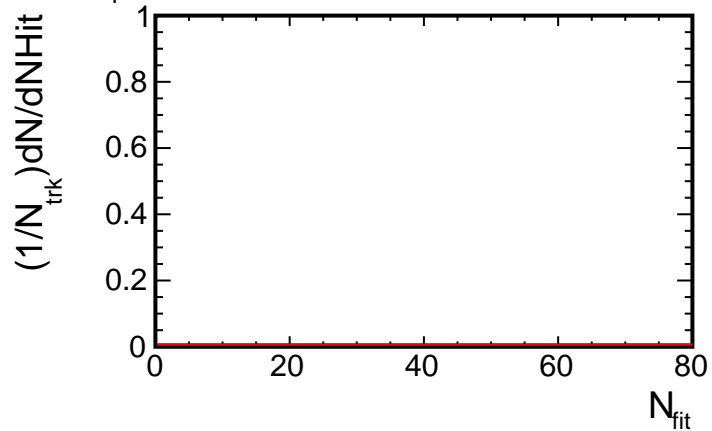


NHit distribution for (p_T , η) slices

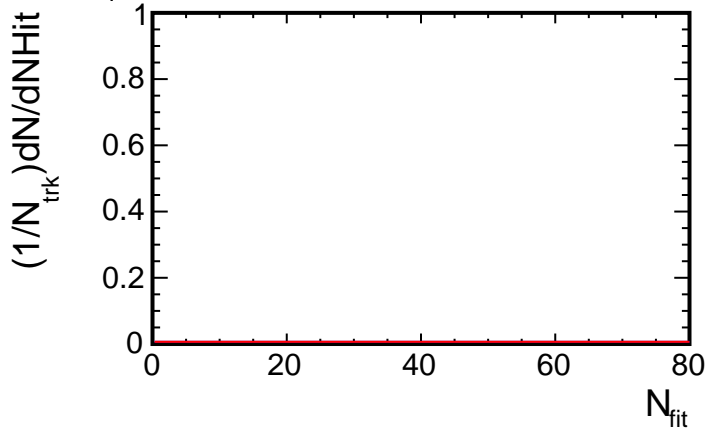
2, $3.5 < p_T < 4.0$ (GeV/c)



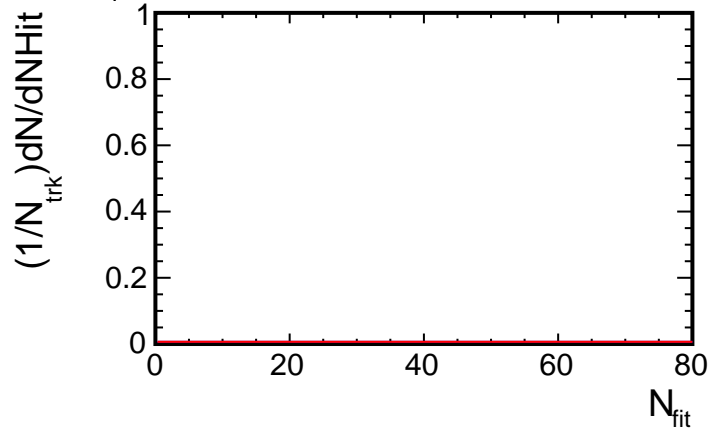
4, $3.5 < p_T < 4.0$ (GeV/c)



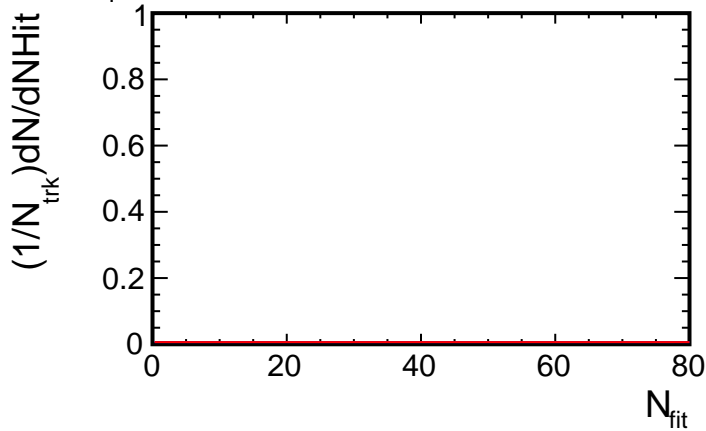
6, $3.5 < p_T < 4.0$ (GeV/c)



8, $3.5 < p_T < 4.0$ (GeV/c)



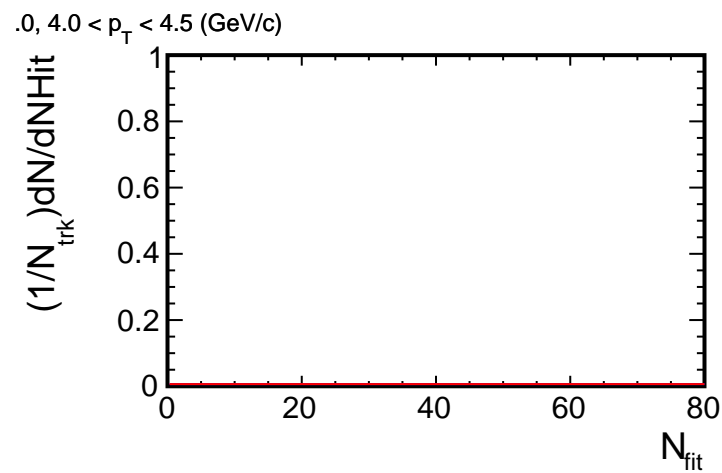
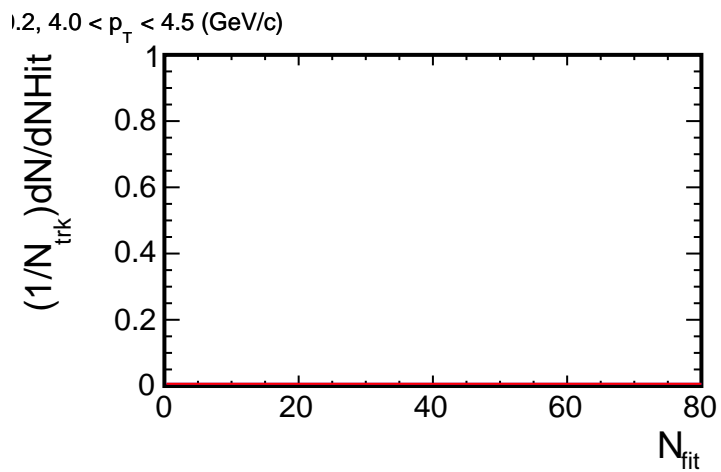
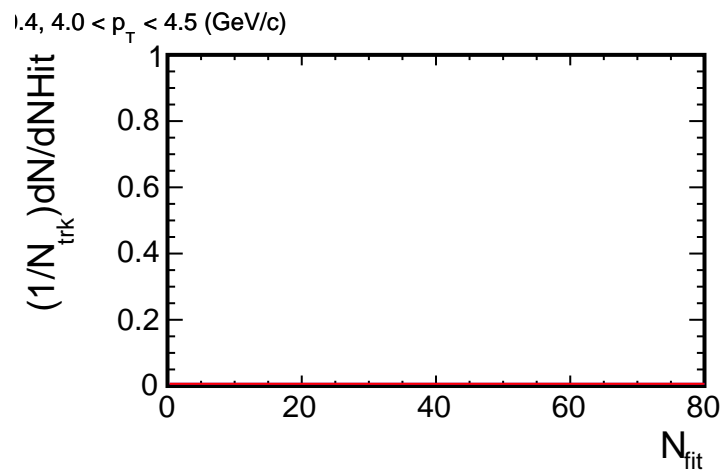
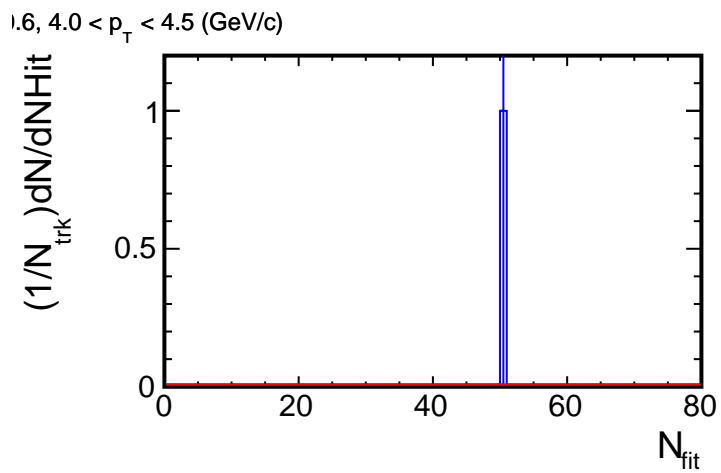
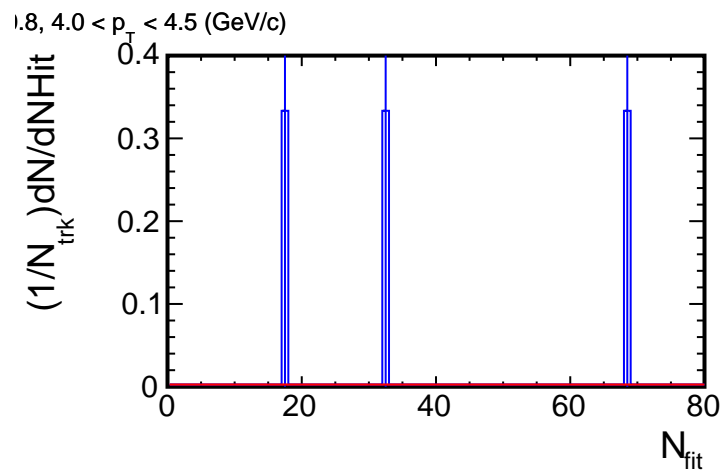
0, $3.5 < p_T < 4.0$ (GeV/c)



— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

NHit distribution for (p_T, η) slices

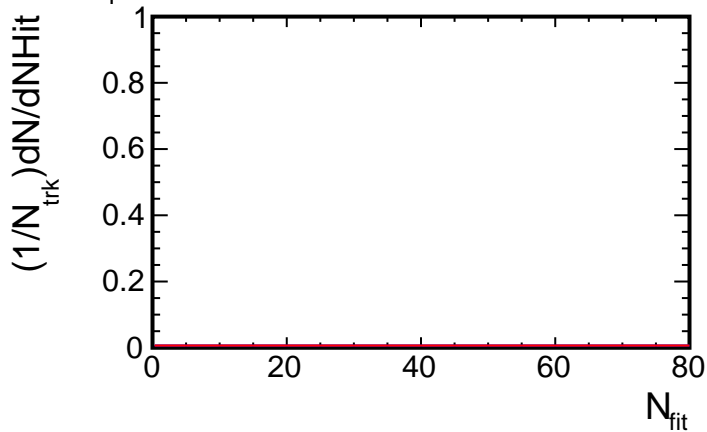


— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

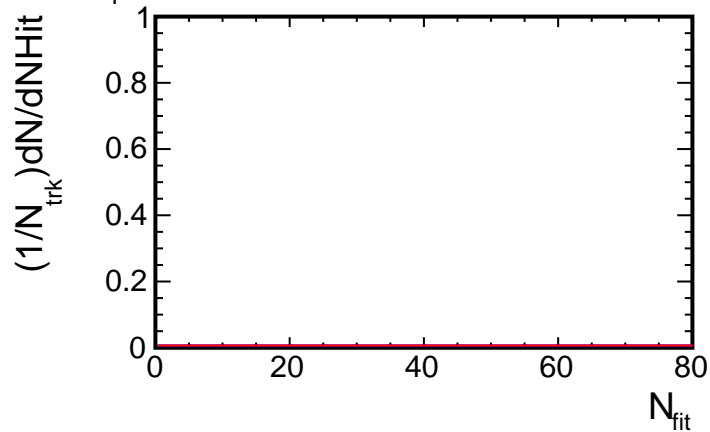
— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

NHit distribution for (p_T, η) slices

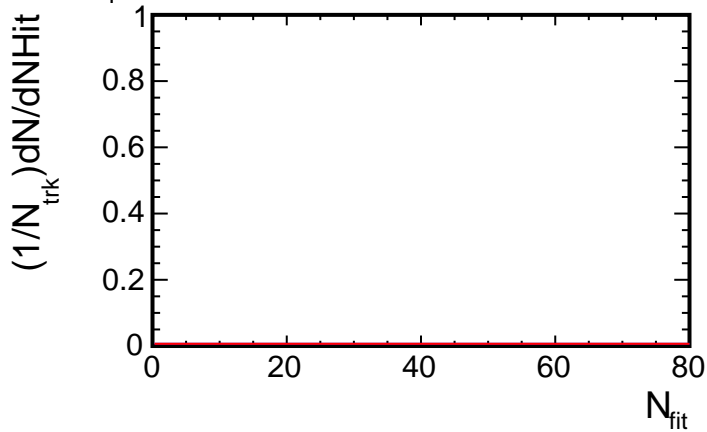
2, $4.0 < p_T < 4.5$ (GeV/c)



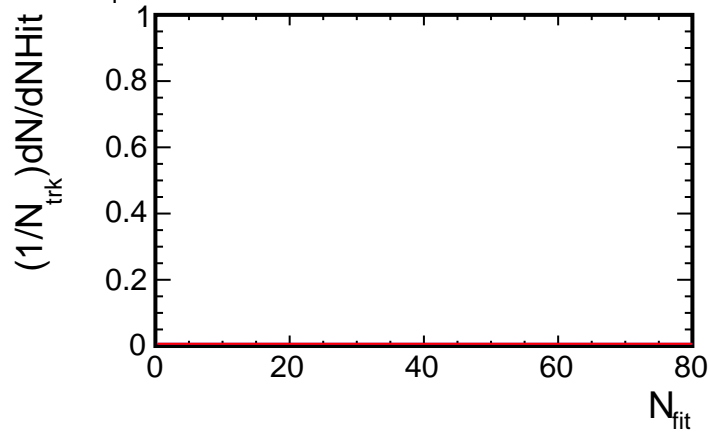
4, $4.0 < p_T < 4.5$ (GeV/c)



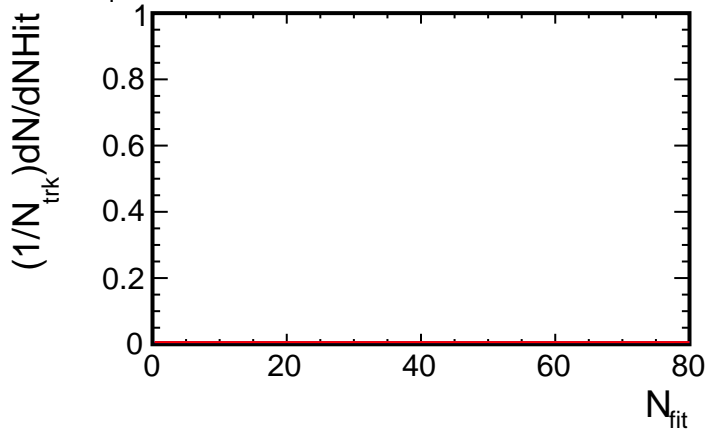
6, $4.0 < p_T < 4.5$ (GeV/c)



8, $4.0 < p_T < 4.5$ (GeV/c)



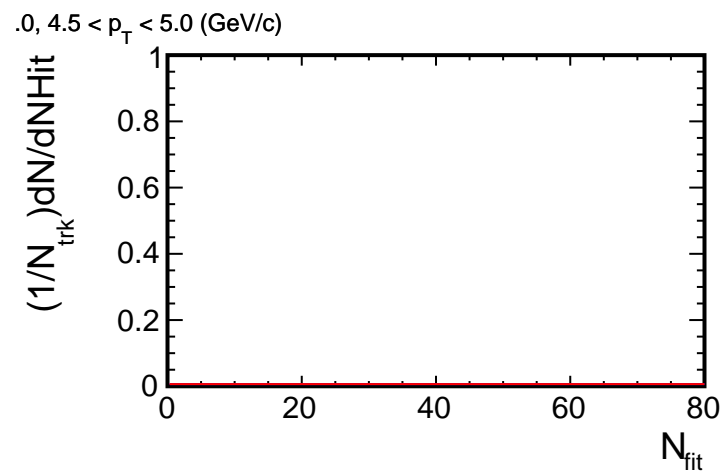
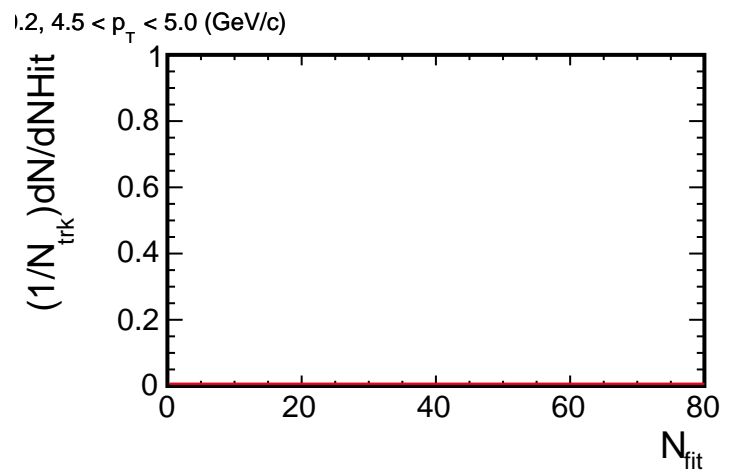
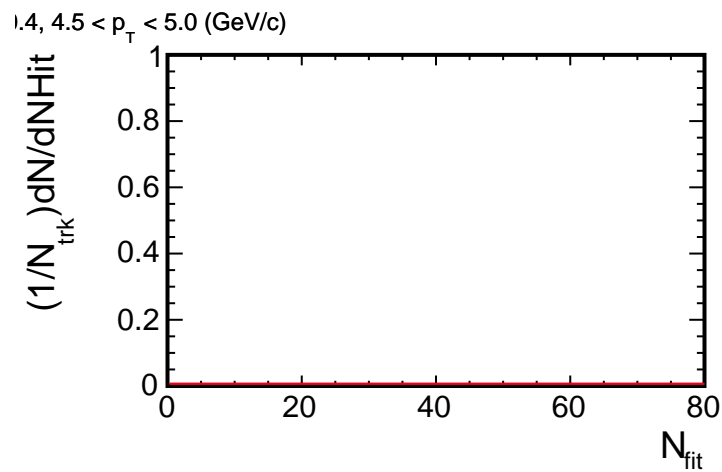
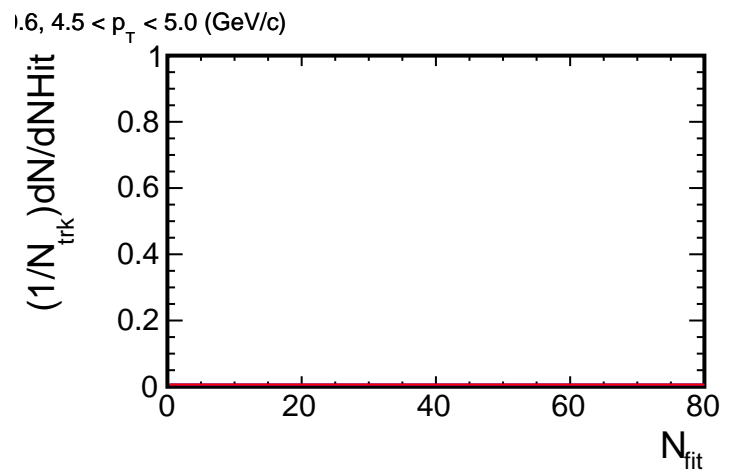
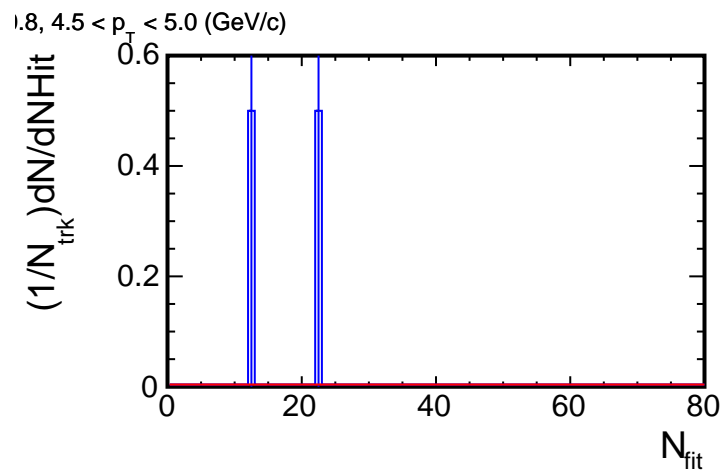
0, $4.0 < p_T < 4.5$ (GeV/c)



— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

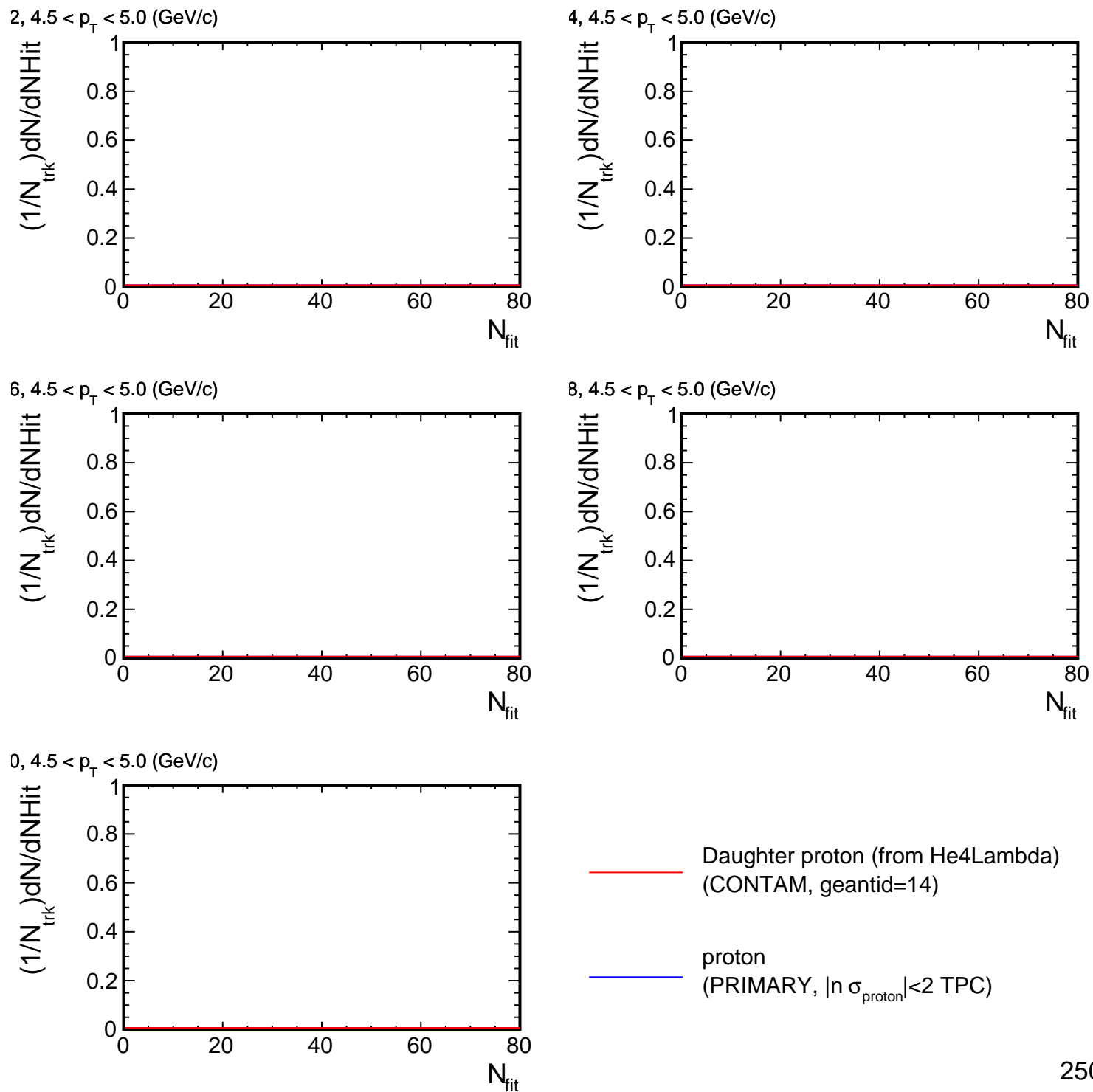
NHit distribution for (p_T, η) slices



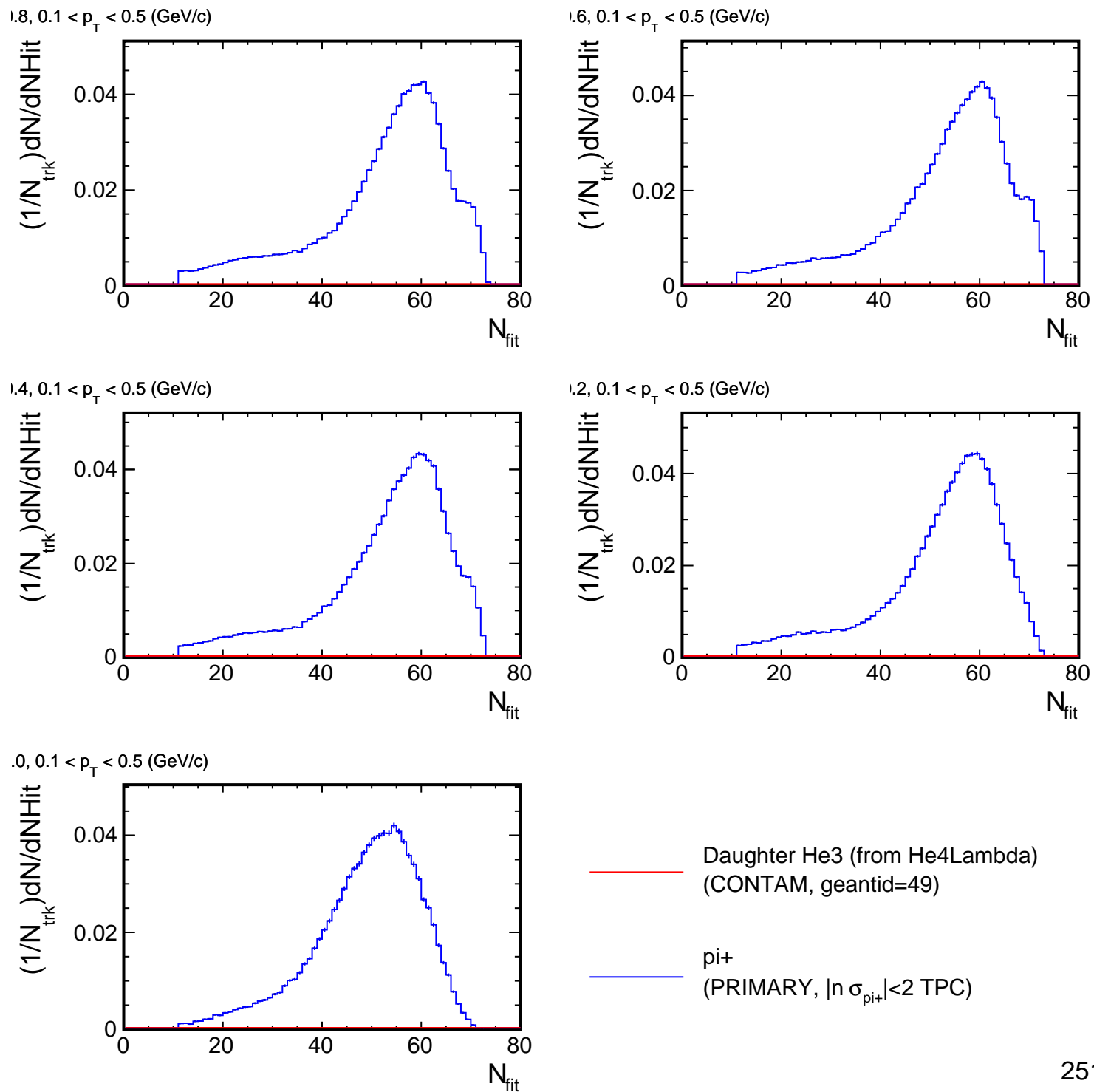
— Daughter proton (from He4Lambda)
(CONTAM, geantid=14)

— proton
(PRIMARY, $|\ln \sigma_{\text{proton}}| < 2$ TPC)

NHit distribution for (p_T , η) slices

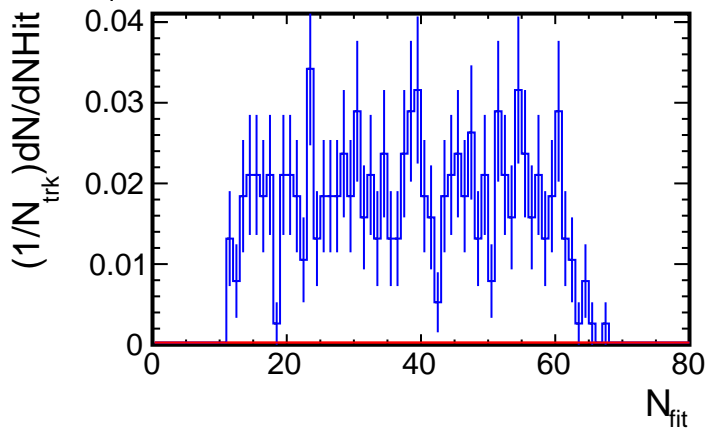


NHit distribution for (p_T , η) slices

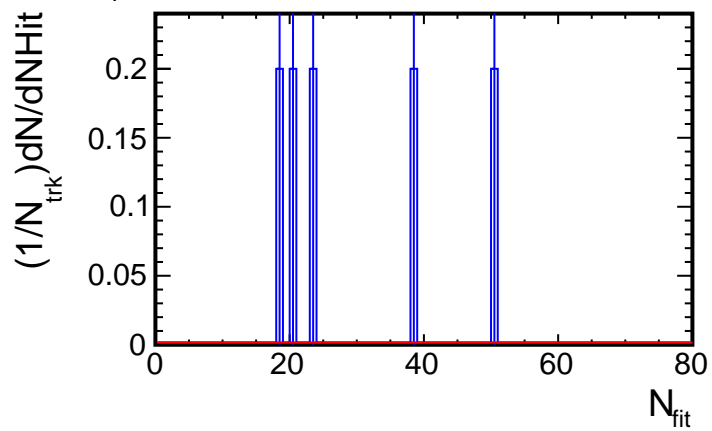


NHit distribution for (p_T , η) slices

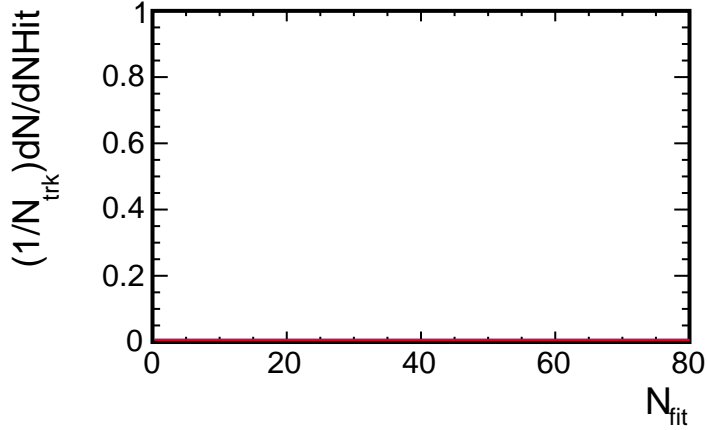
2, $0.1 < p_T < 0.5$ (GeV/c)



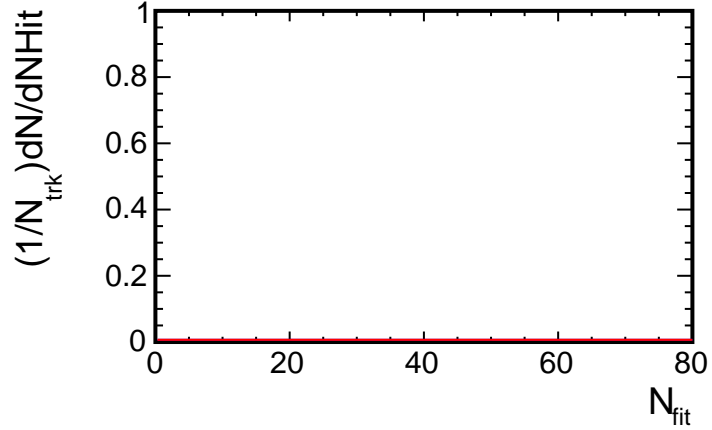
4, $0.1 < p_T < 0.5$ (GeV/c)



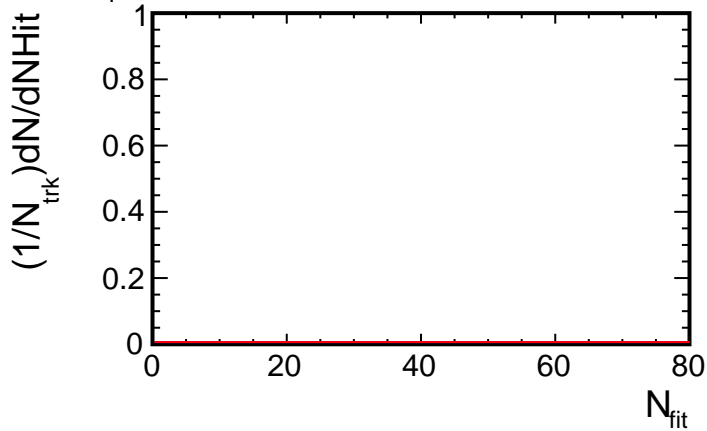
6, $0.1 < p_T < 0.5$ (GeV/c)



8, $0.1 < p_T < 0.5$ (GeV/c)



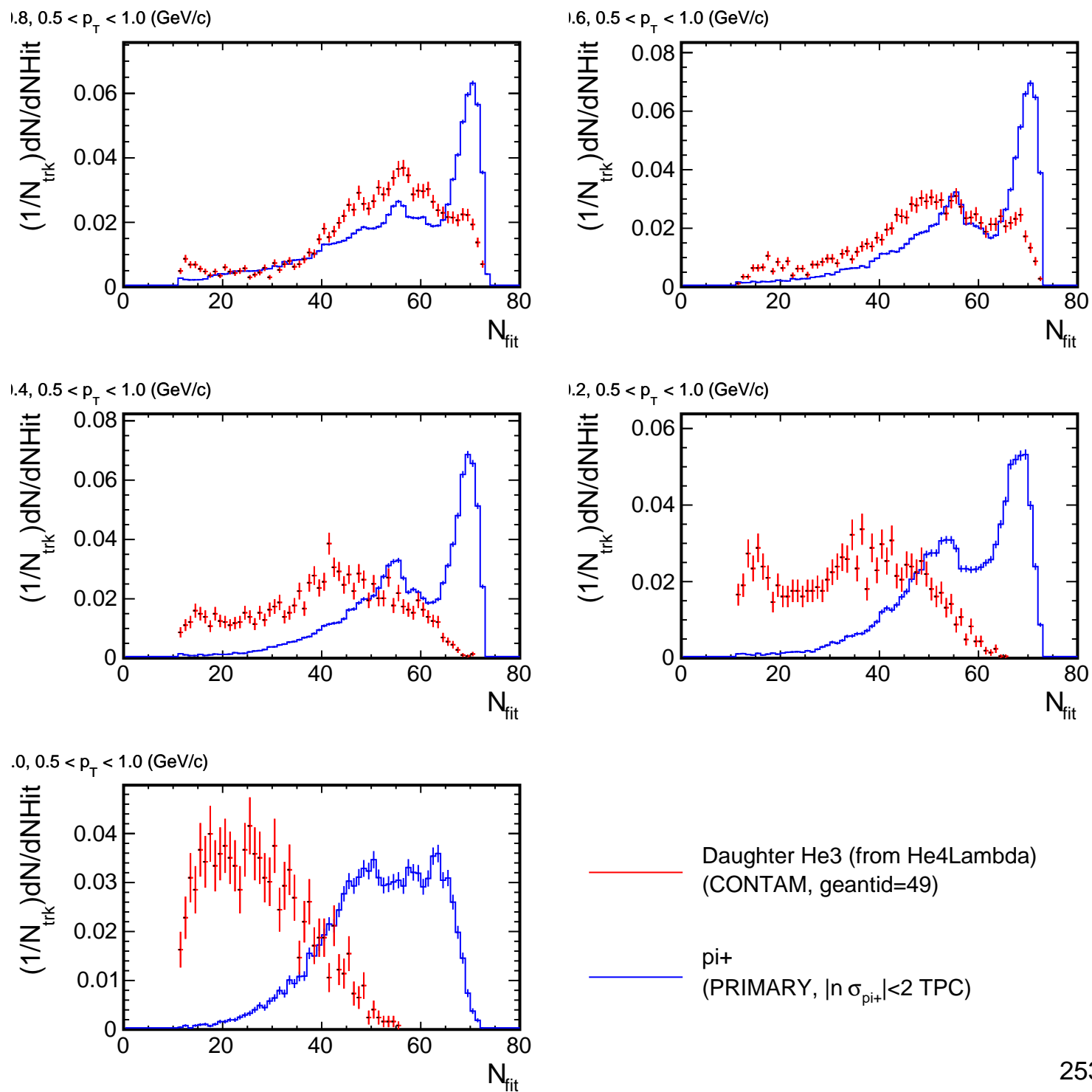
0, $0.1 < p_T < 0.5$ (GeV/c)



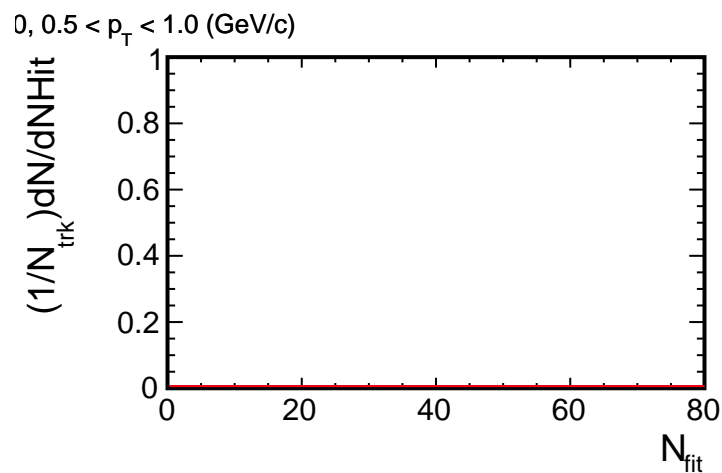
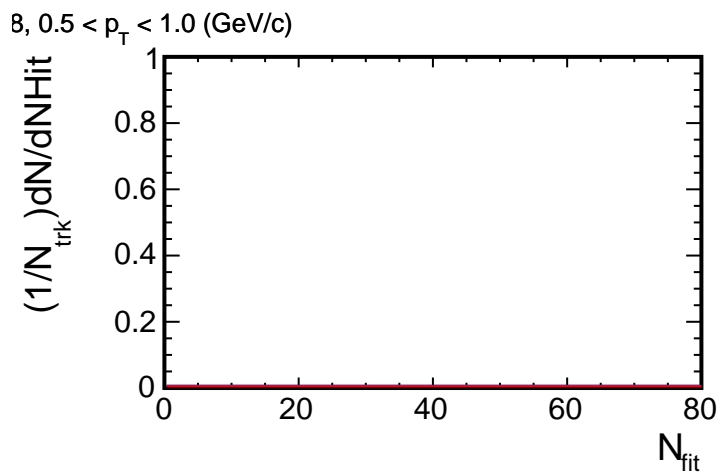
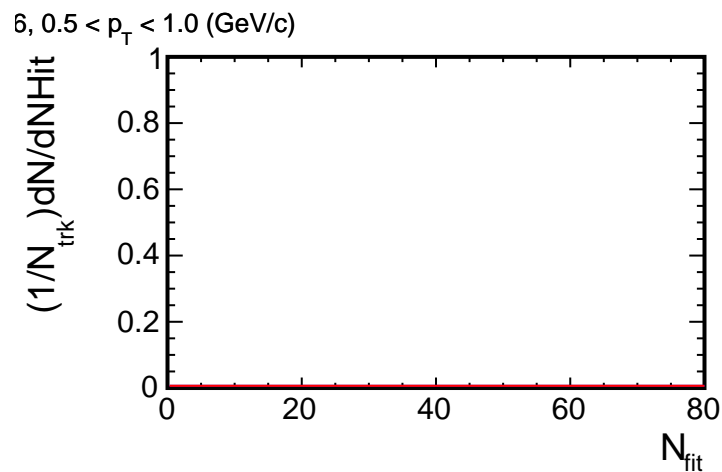
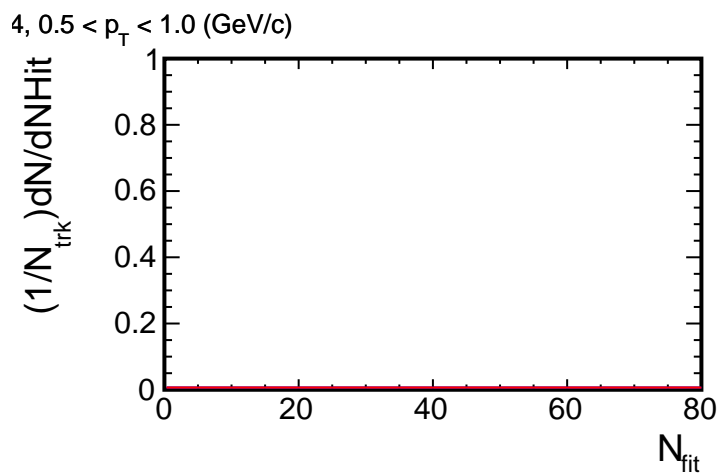
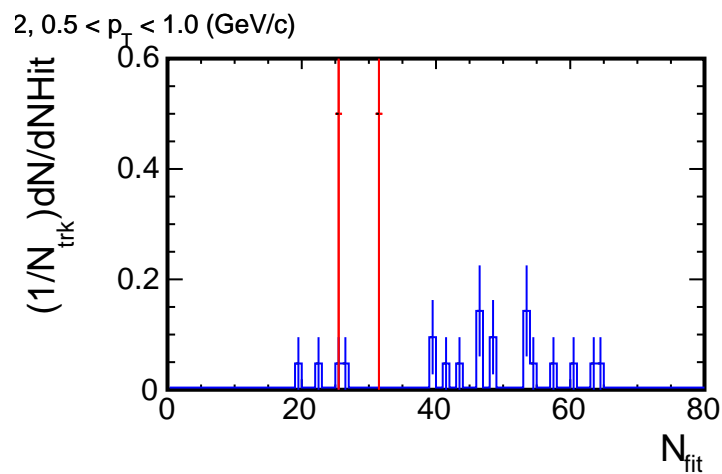
— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

NHit distribution for (p_T , η) slices



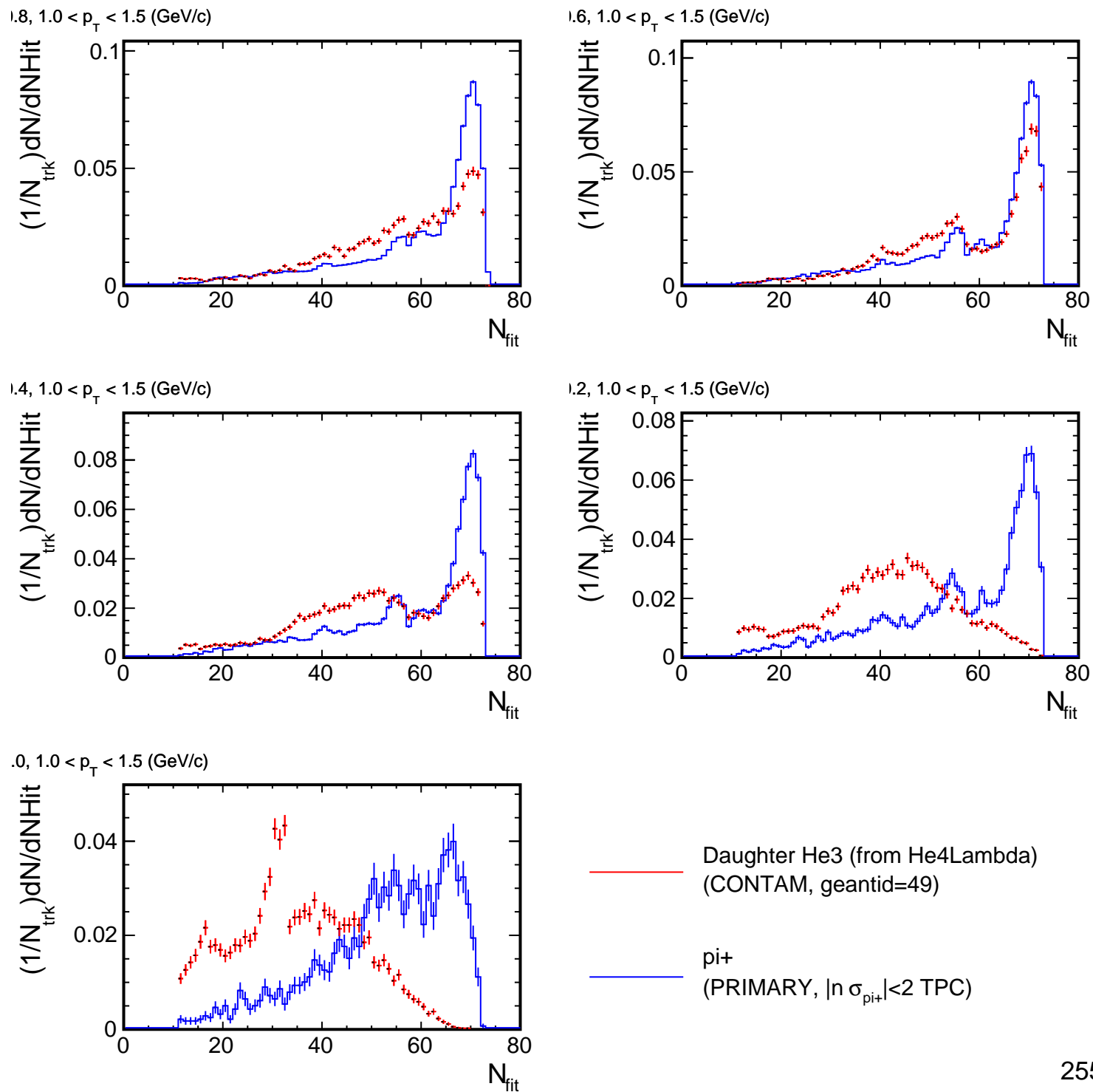
NHit distribution for (p_T , η) slices



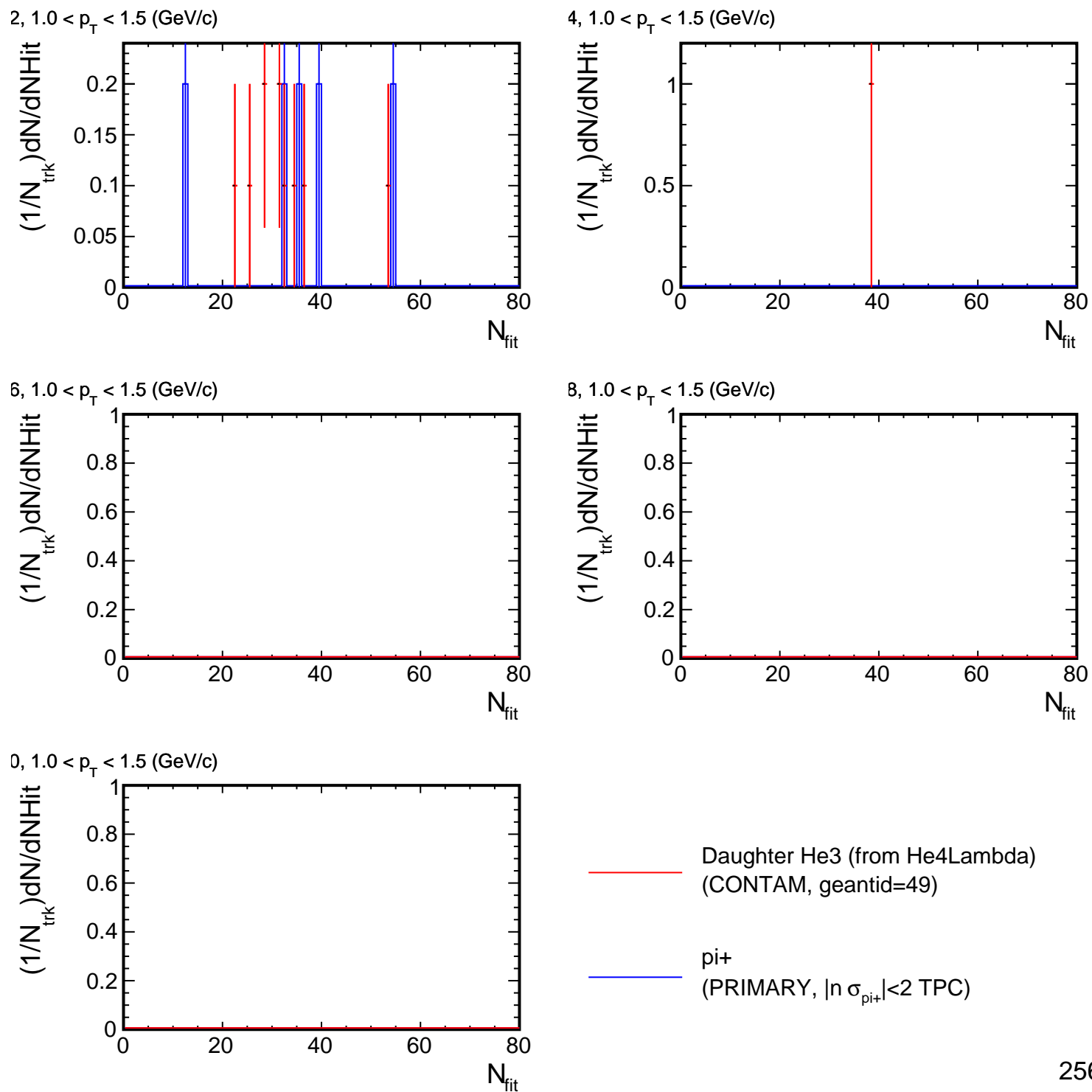
— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

NHit distribution for (p_T, η) slices

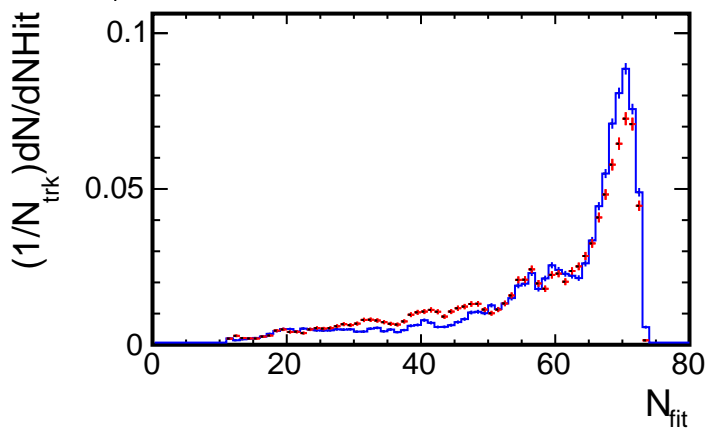


NHit distribution for (p_T , η) slices

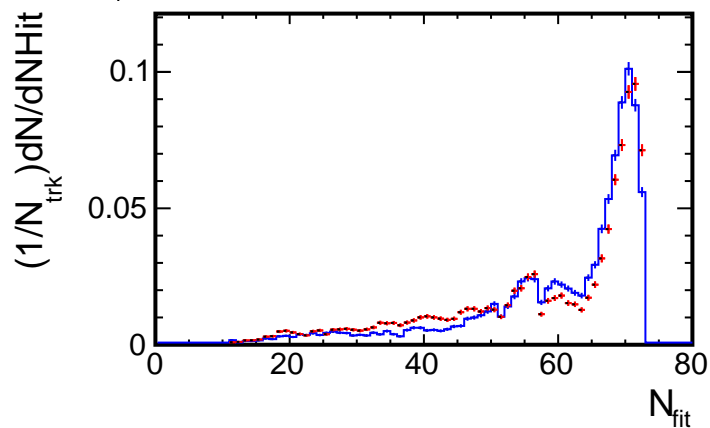


NHit distribution for (p_T , η) slices

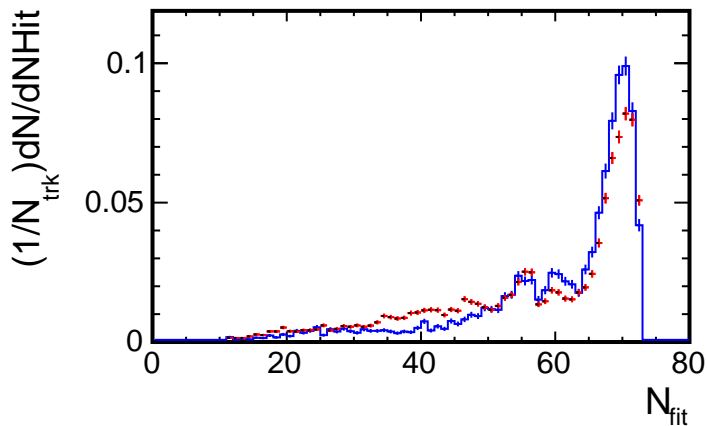
1.8, $1.5 < p_T < 2.0$ (GeV/c)



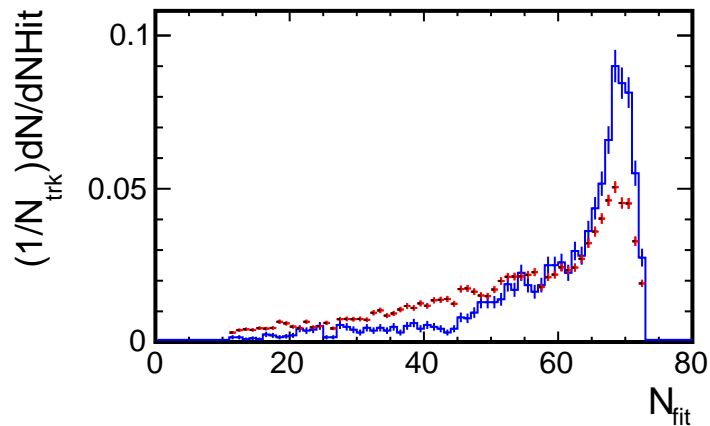
1.6, $1.5 < p_T < 2.0$ (GeV/c)



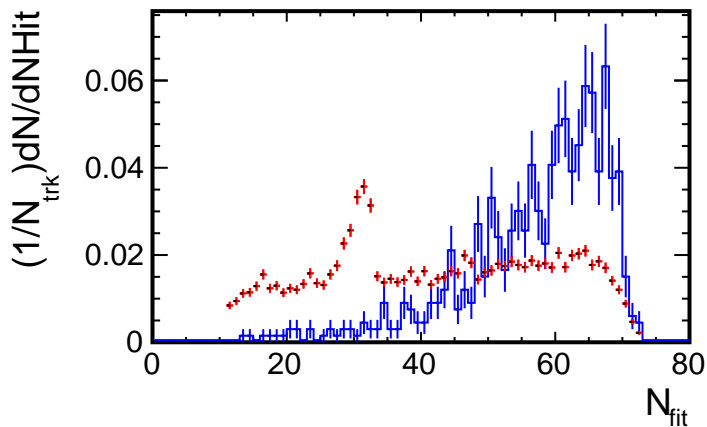
1.4, $1.5 < p_T < 2.0$ (GeV/c)



1.2, $1.5 < p_T < 2.0$ (GeV/c)



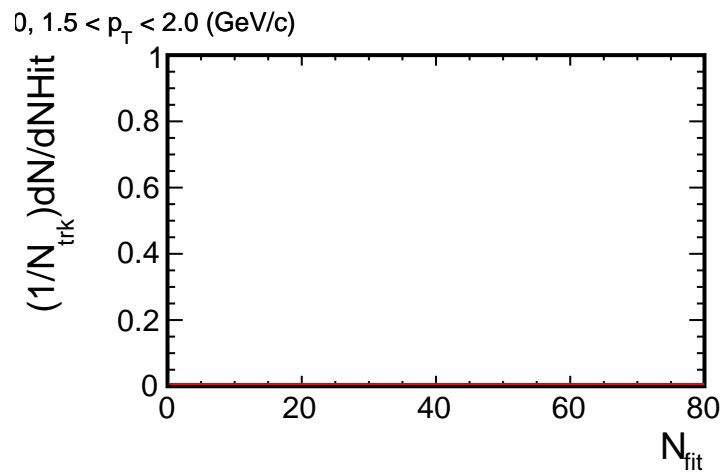
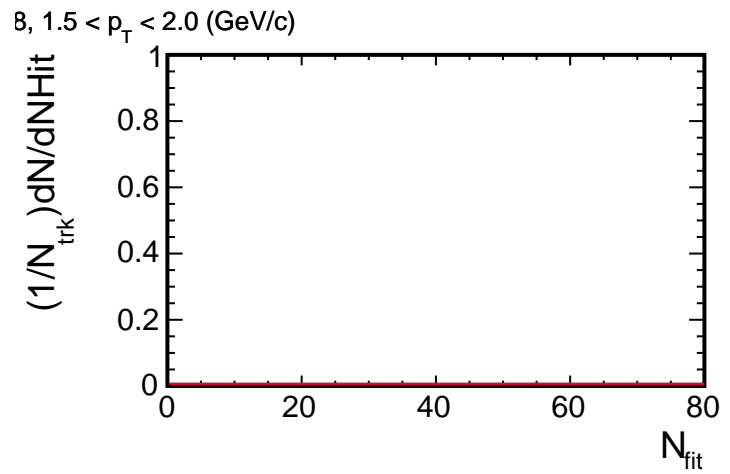
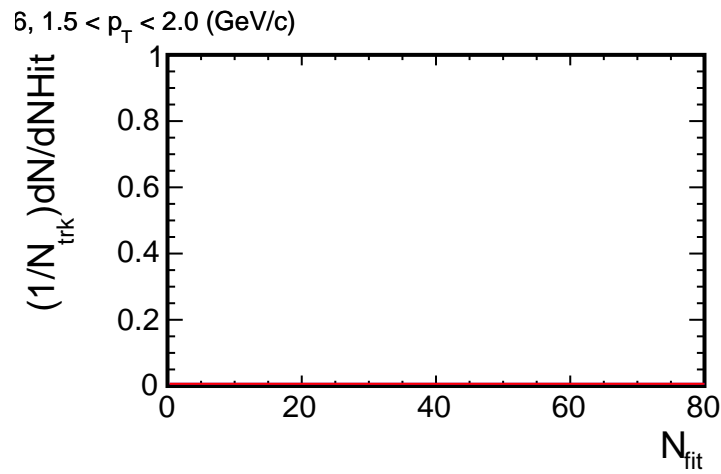
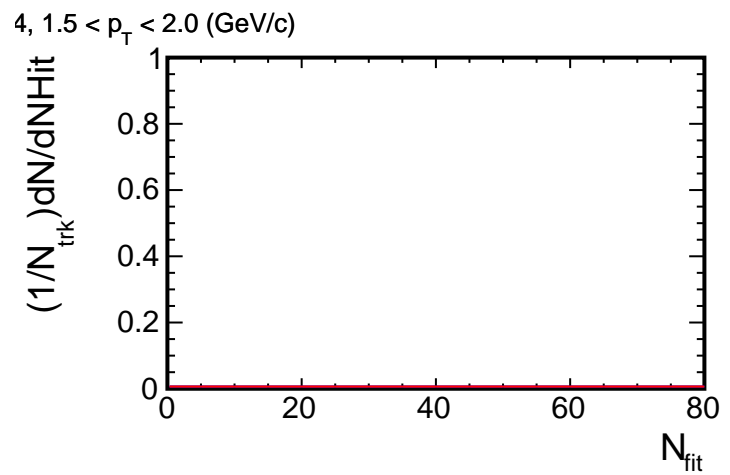
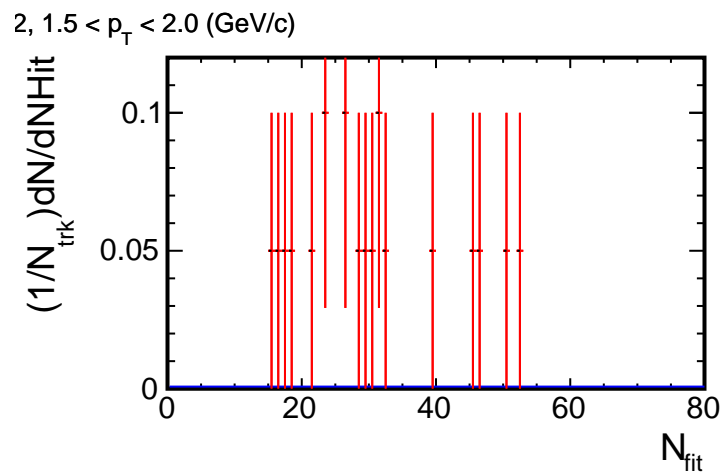
1.0, $1.5 < p_T < 2.0$ (GeV/c)



— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

NHit distribution for (p_T , η) slices

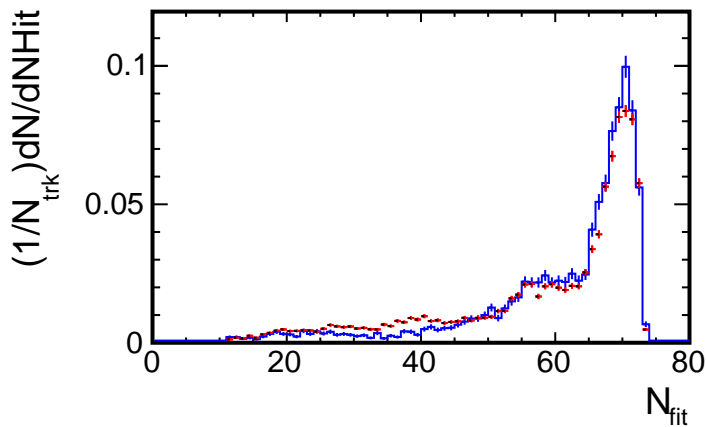


— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

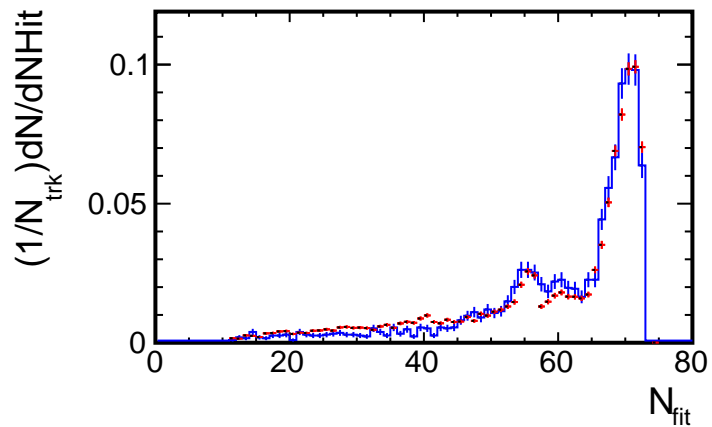
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

NHit distribution for (p_T , η) slices

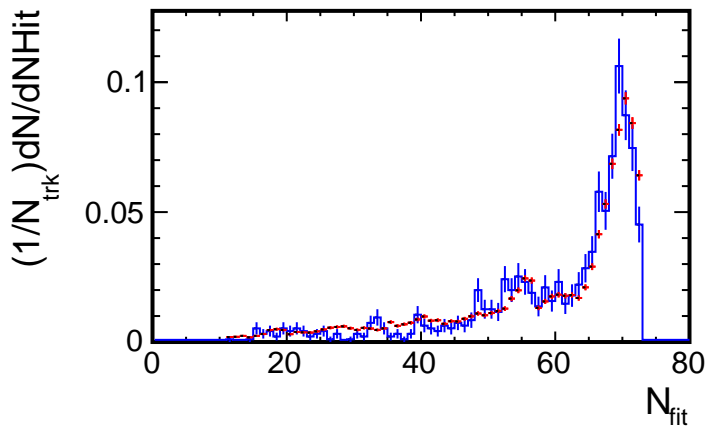
1.8, $2.0 < p_T < 2.5$ (GeV/c)



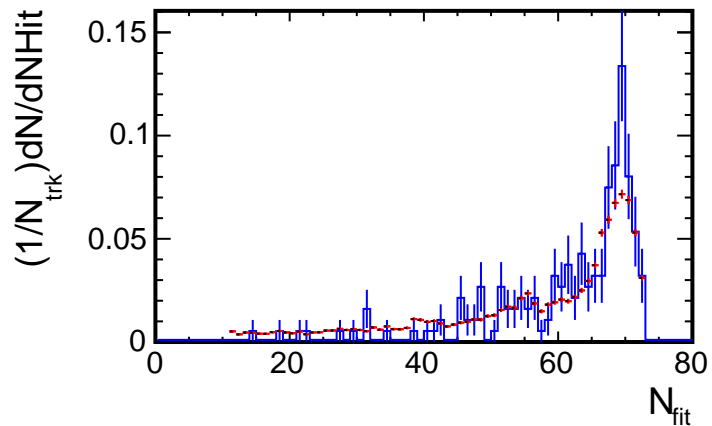
1.6, $2.0 < p_T < 2.5$ (GeV/c)



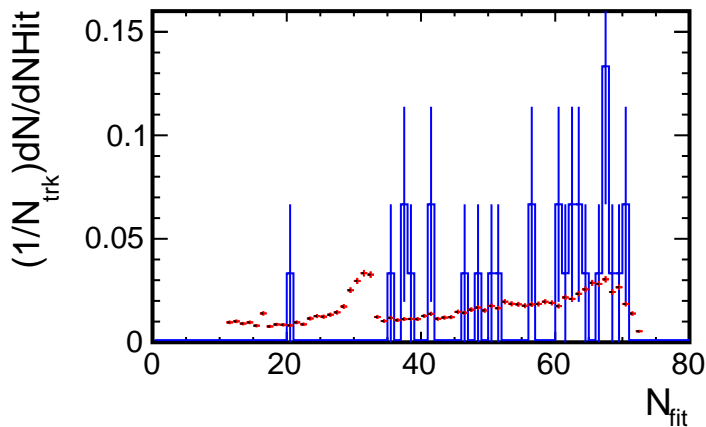
1.4, $2.0 < p_T < 2.5$ (GeV/c)



1.2, $2.0 < p_T < 2.5$ (GeV/c)



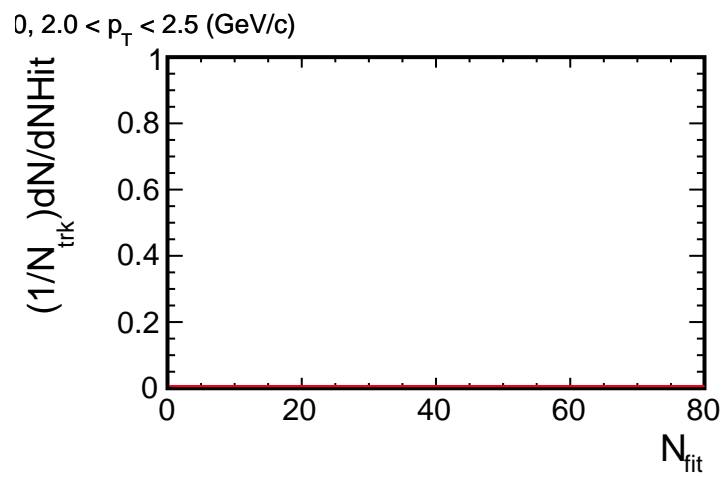
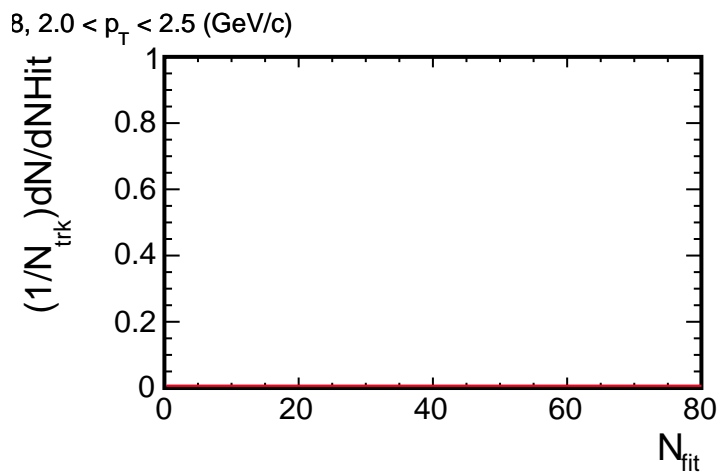
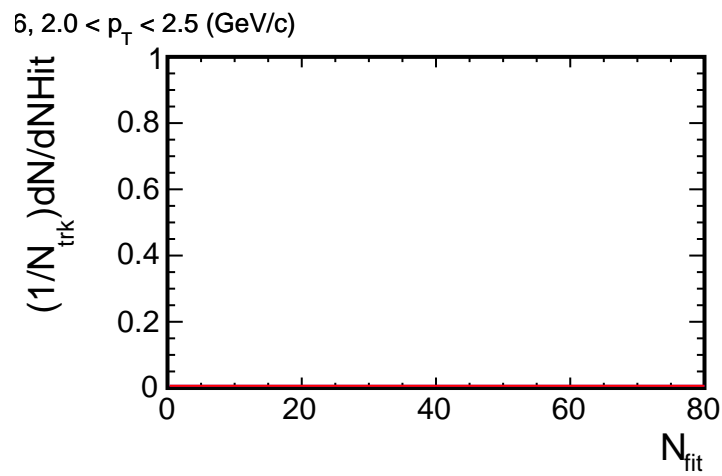
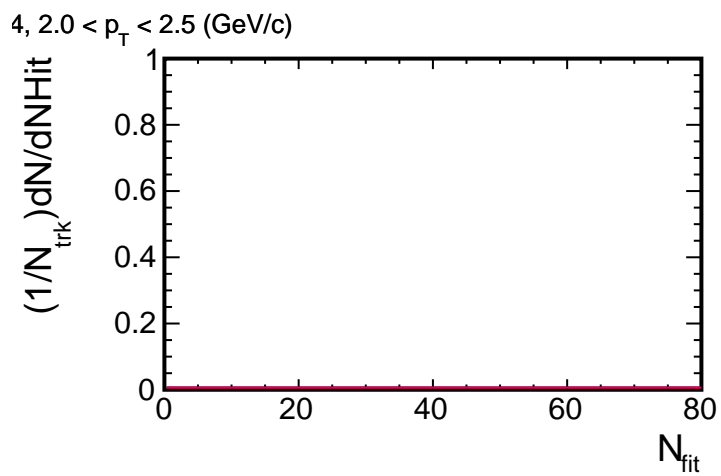
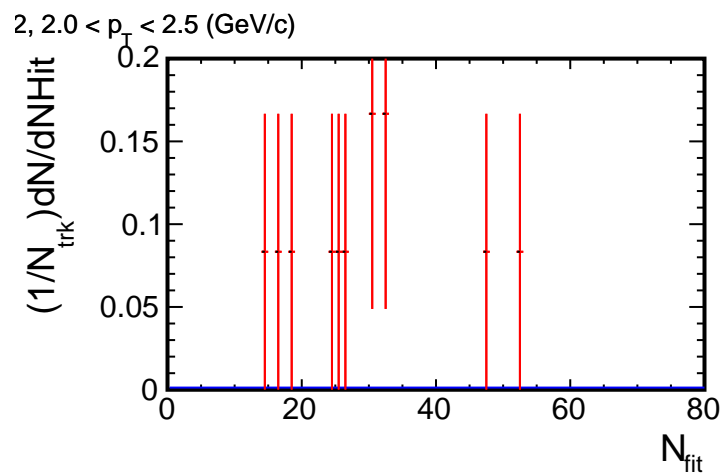
1.0, $2.0 < p_T < 2.5$ (GeV/c)



— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

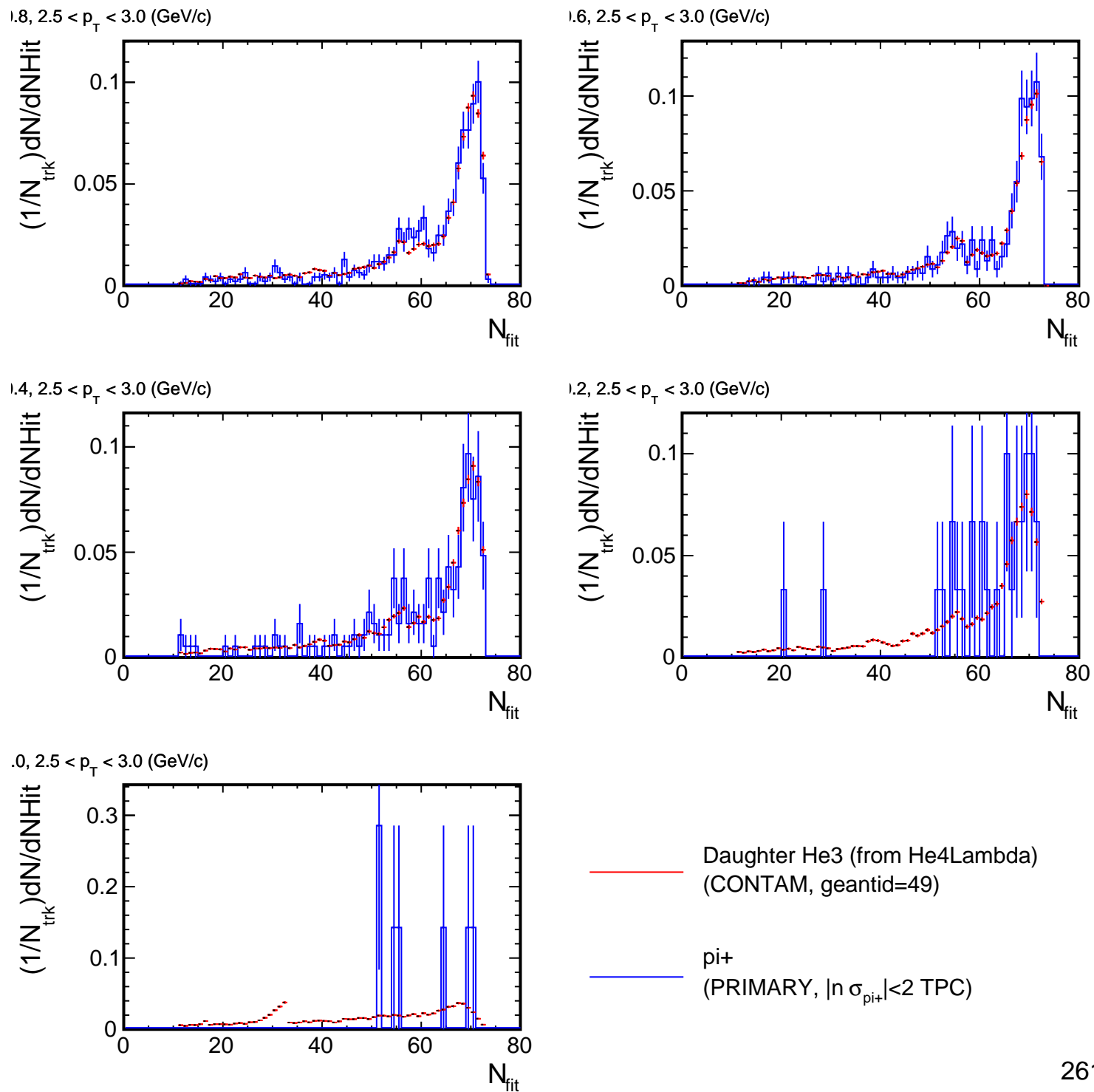
NHit distribution for (p_T , η) slices



— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

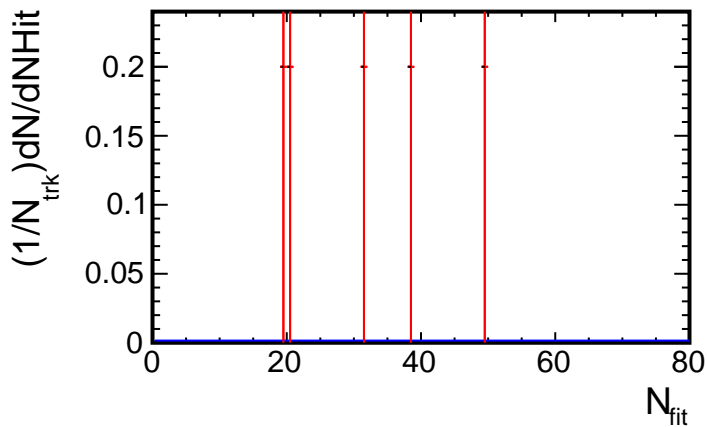
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

NHit distribution for (p_T , η) slices

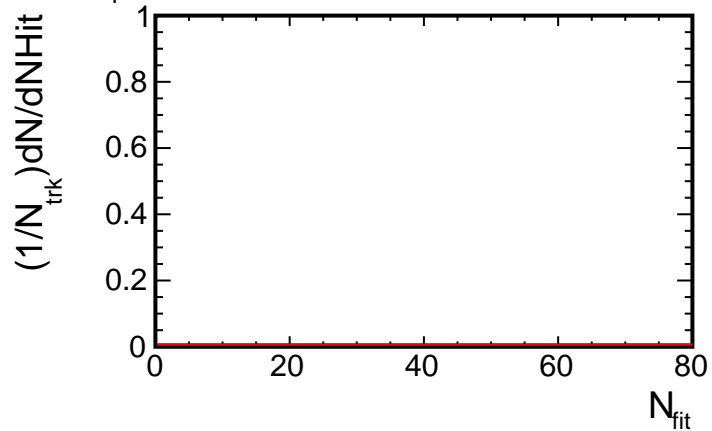


NHit distribution for (p_T , η) slices

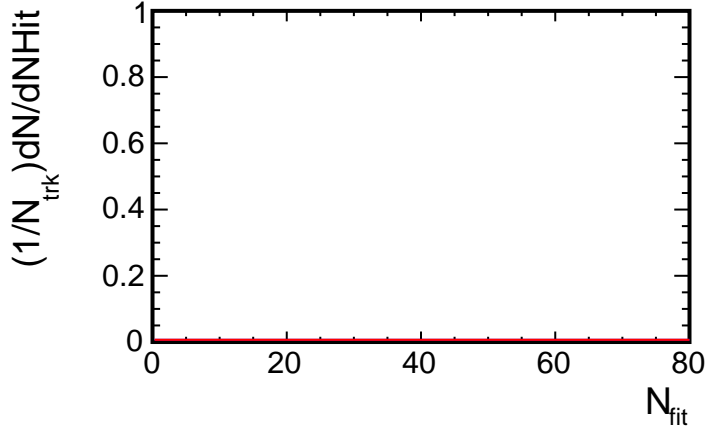
2, $2.5 < p_T < 3.0$ (GeV/c)



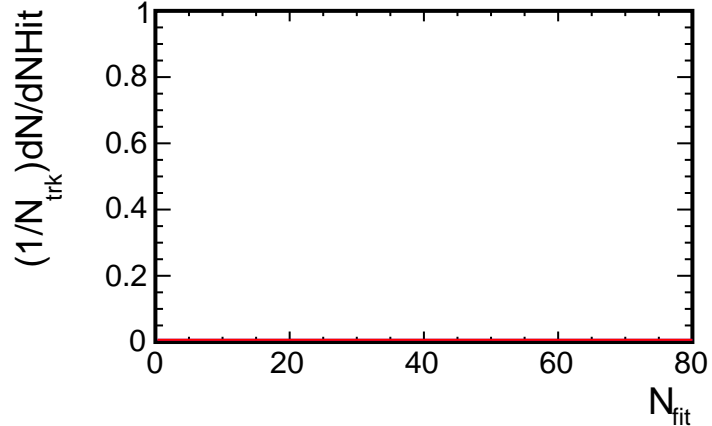
4, $2.5 < p_T < 3.0$ (GeV/c)



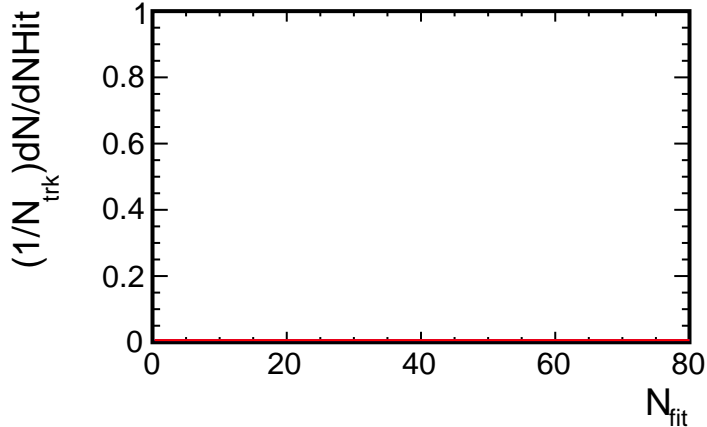
6, $2.5 < p_T < 3.0$ (GeV/c)



8, $2.5 < p_T < 3.0$ (GeV/c)



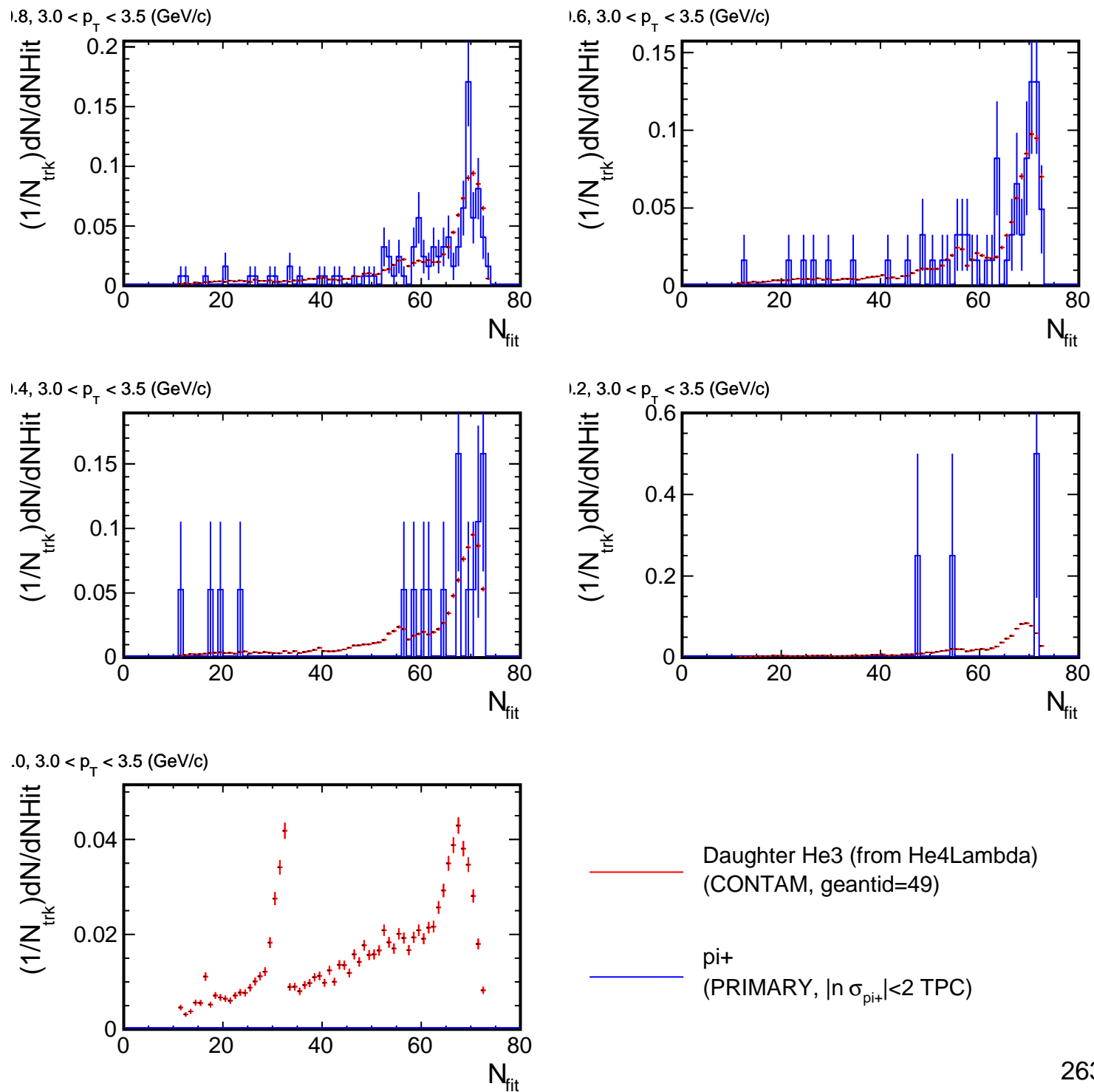
0, $2.5 < p_T < 3.0$ (GeV/c)



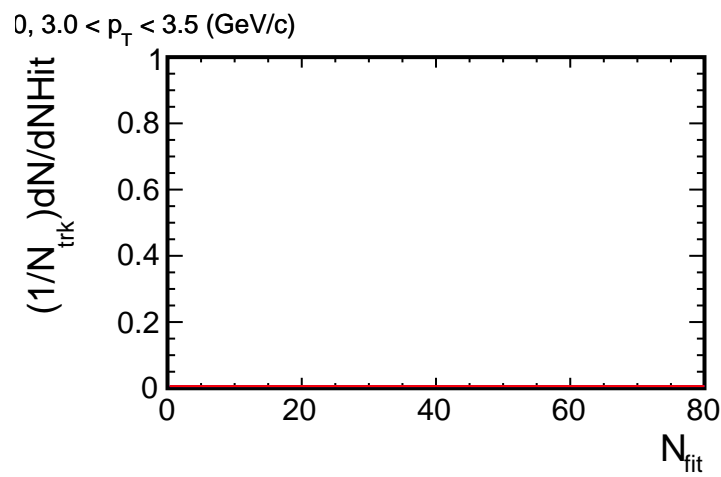
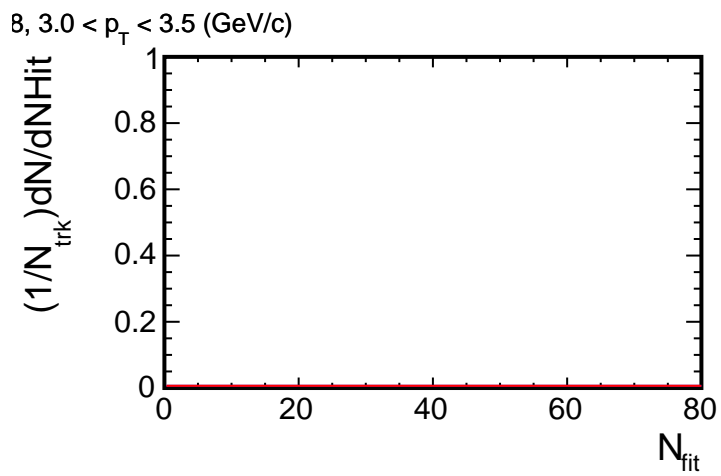
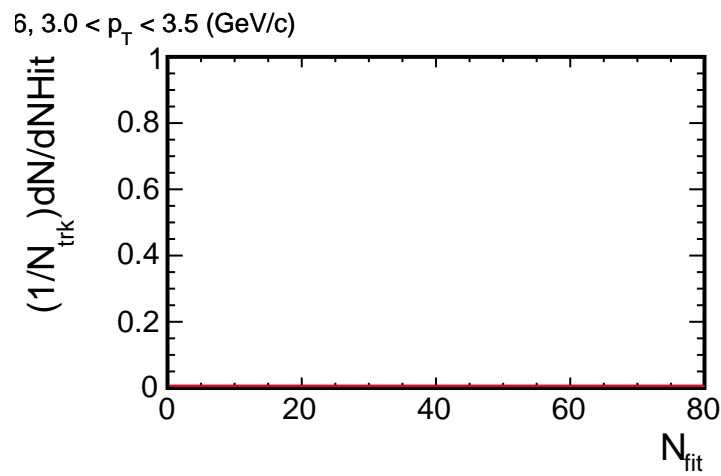
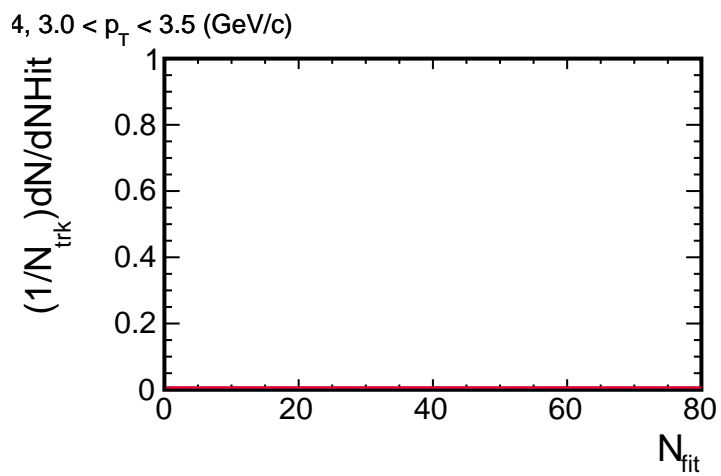
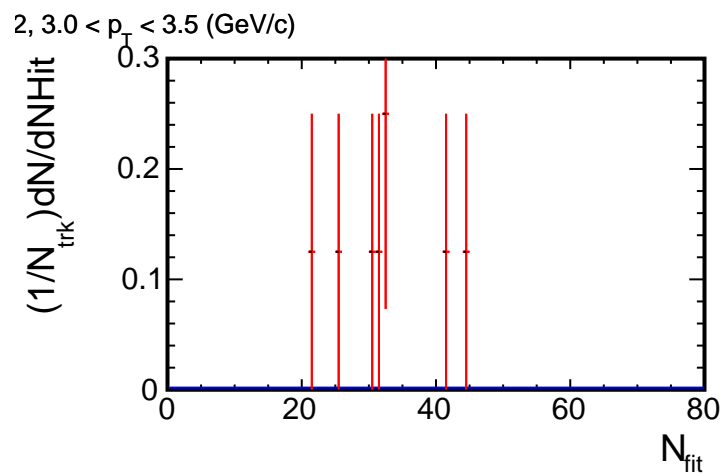
— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

NHit distribution for (p_T , η) slices



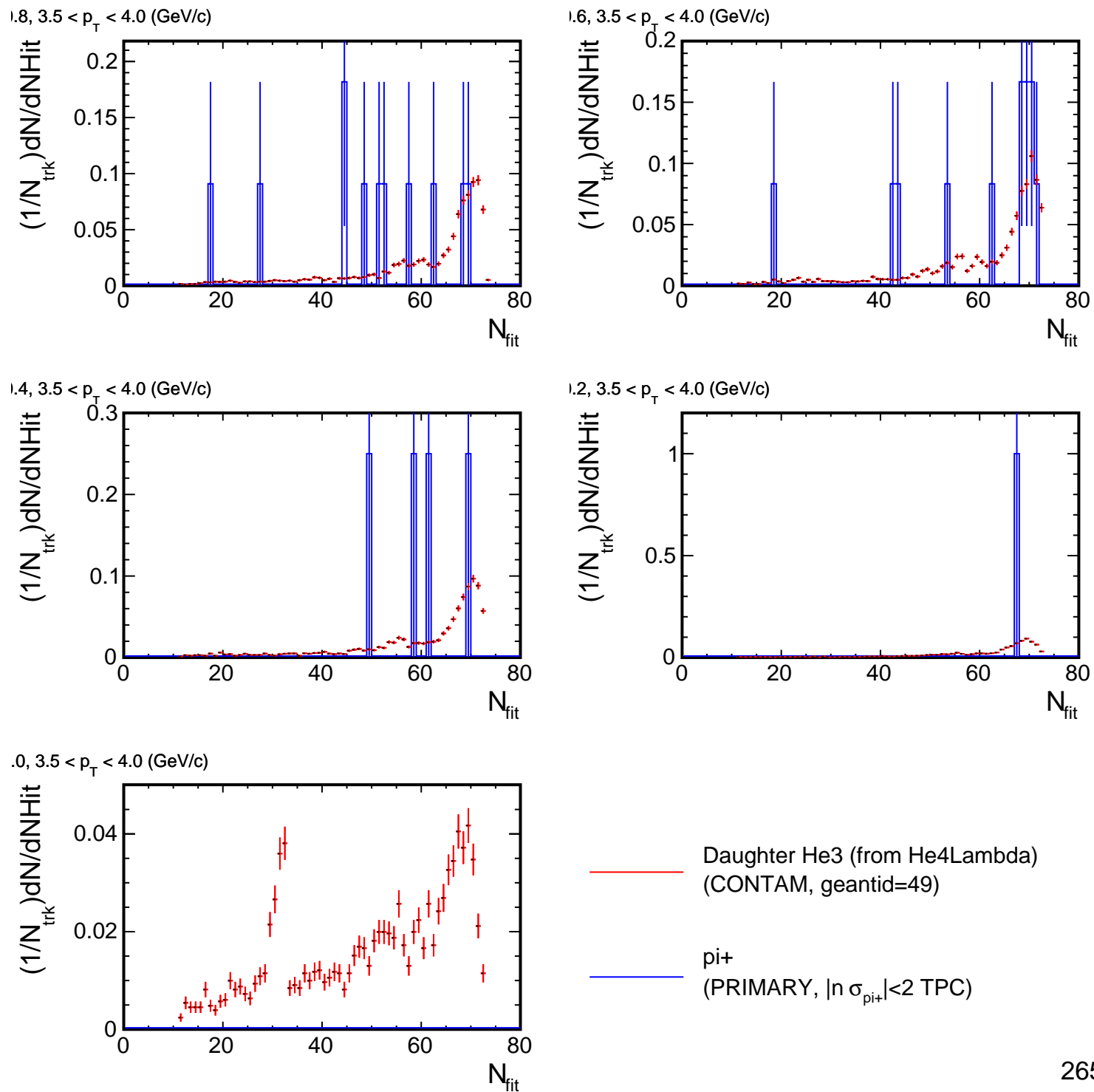
NHit distribution for (p_T , η) slices



— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

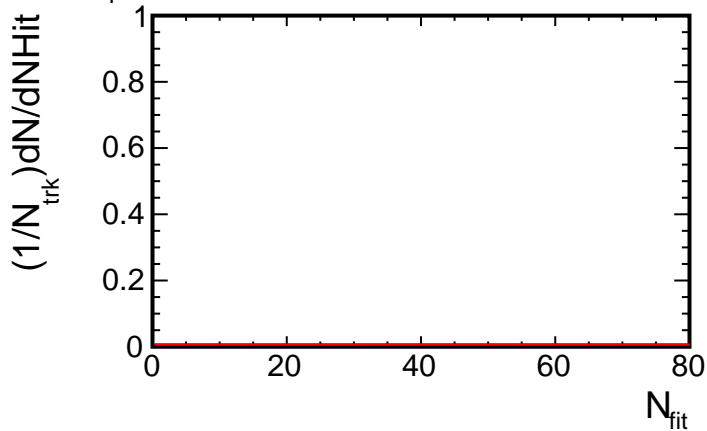
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

NHit distribution for (p_T , η) slices

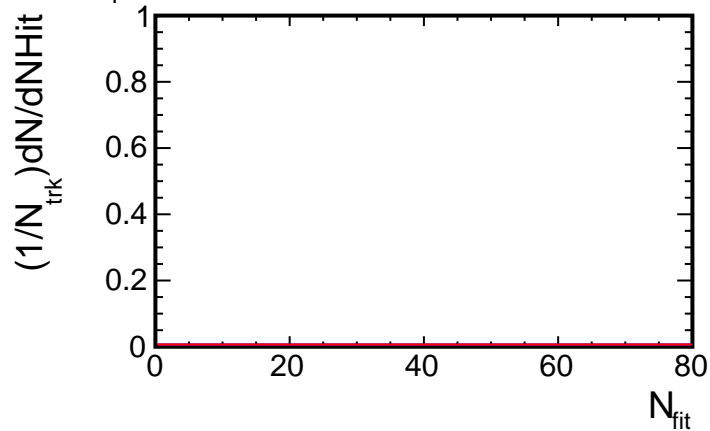


NHit distribution for (p_T , η) slices

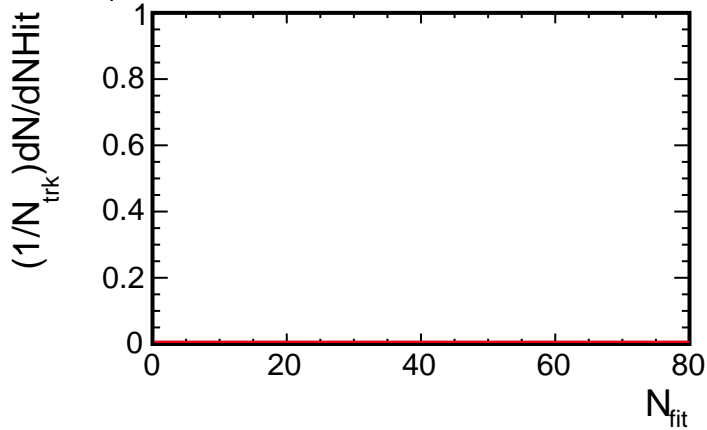
2, $3.5 < p_T < 4.0$ (GeV/c)



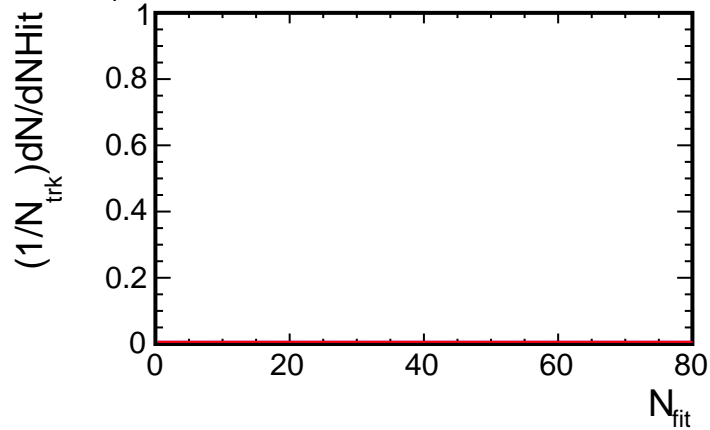
4, $3.5 < p_T < 4.0$ (GeV/c)



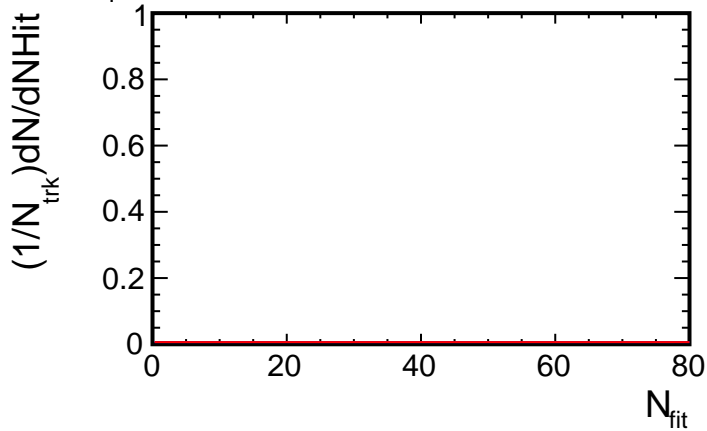
6, $3.5 < p_T < 4.0$ (GeV/c)



8, $3.5 < p_T < 4.0$ (GeV/c)



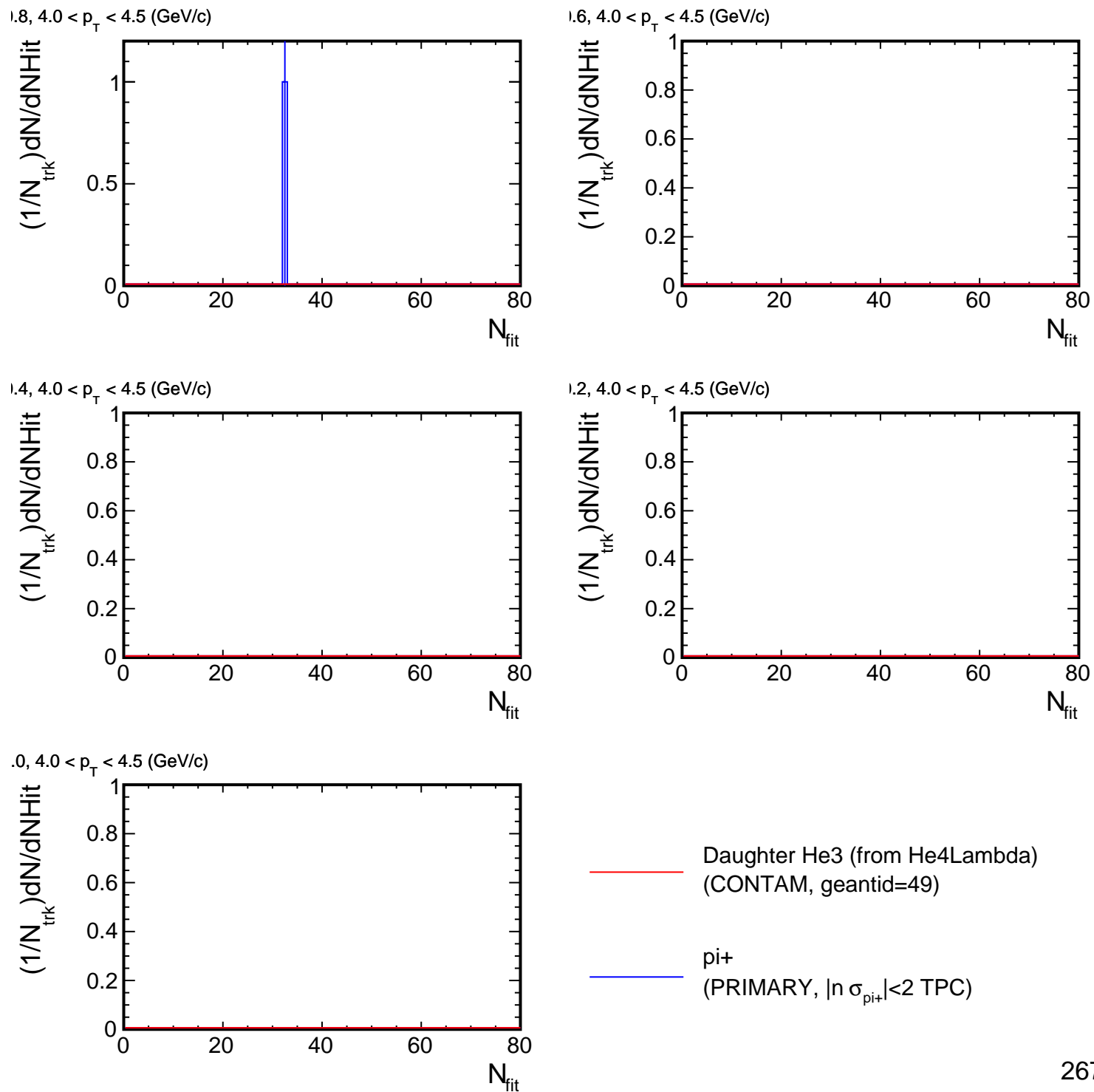
0, $3.5 < p_T < 4.0$ (GeV/c)



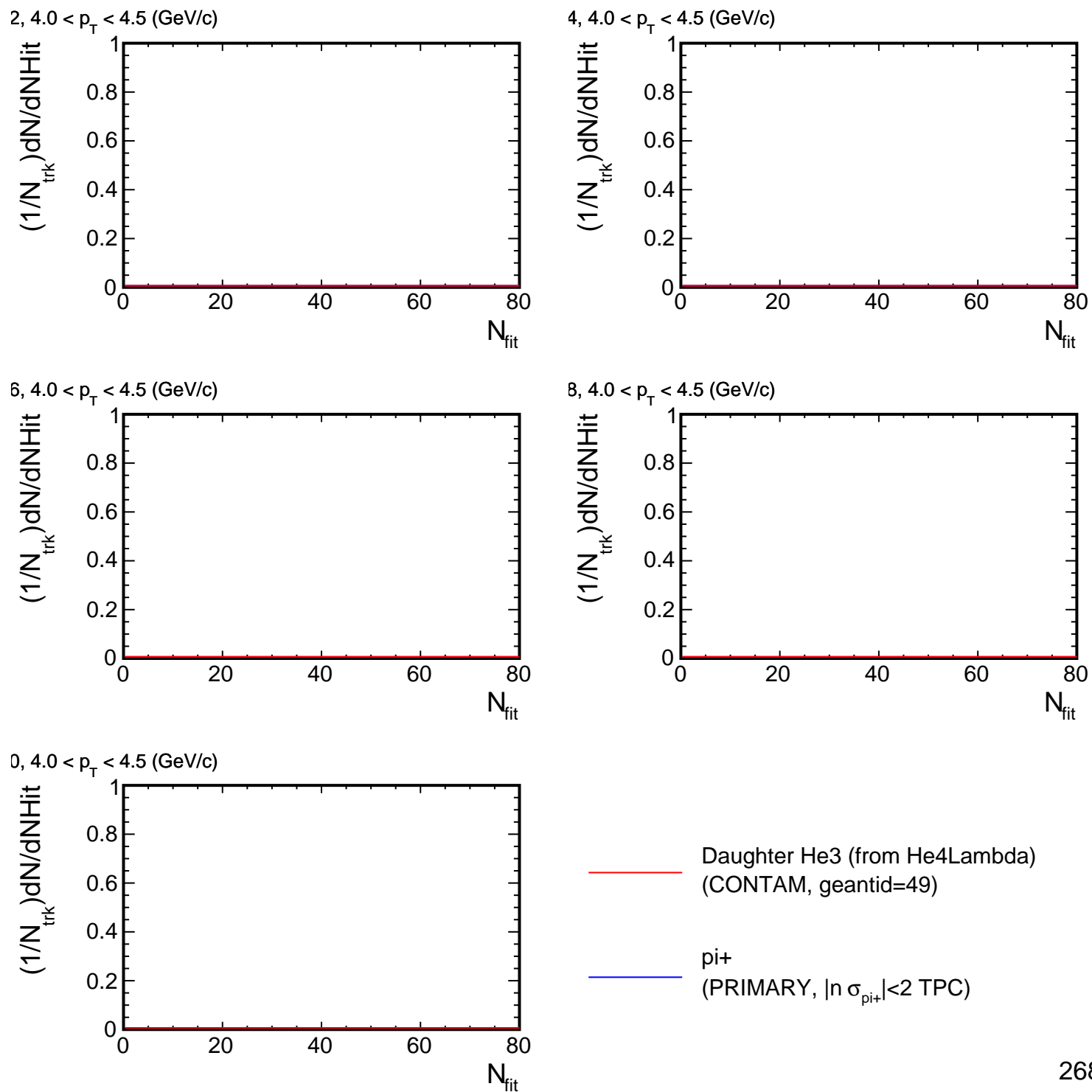
— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

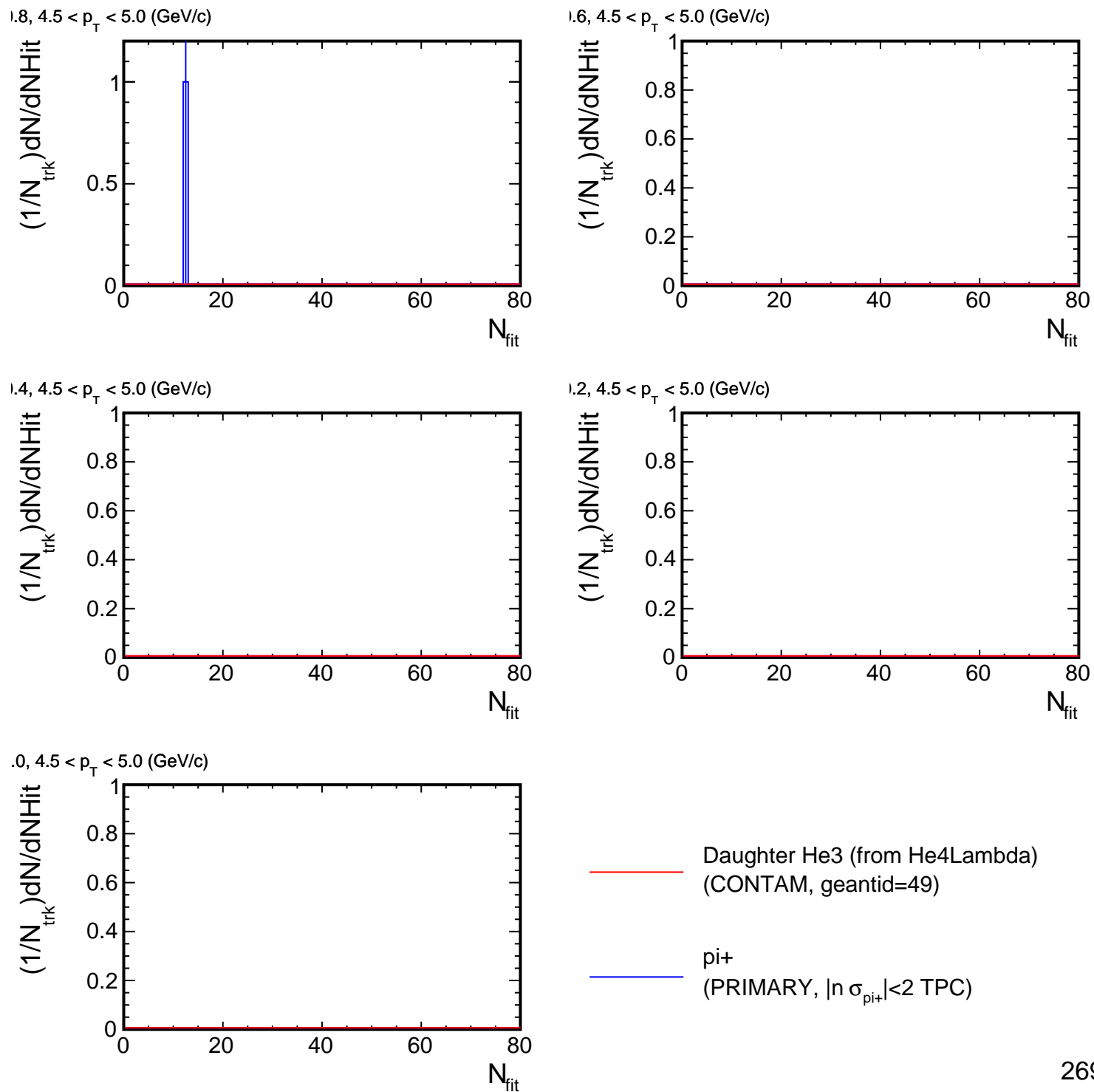
NHit distribution for (p_T , η) slices



NHit distribution for (p_T, η) slices

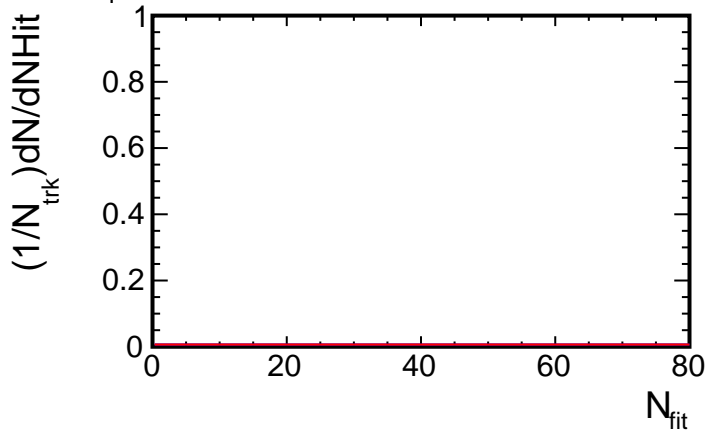


NHit distribution for (p_T, η) slices

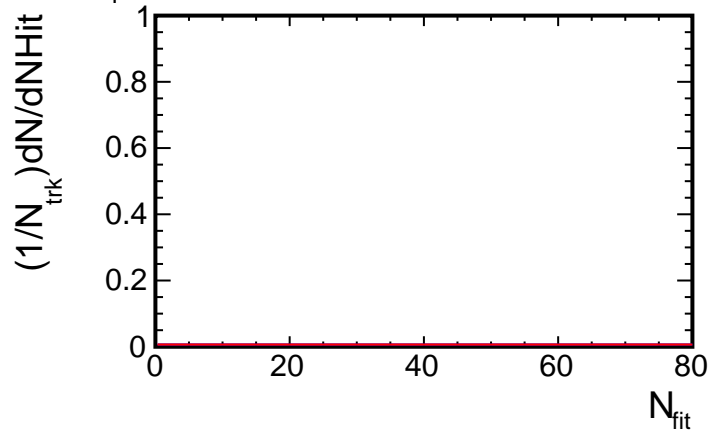


NHit distribution for (p_T, η) slices

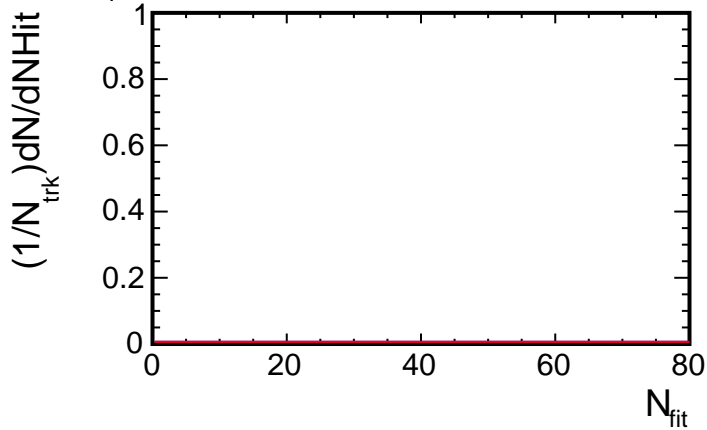
2, $4.5 < p_T < 5.0$ (GeV/c)



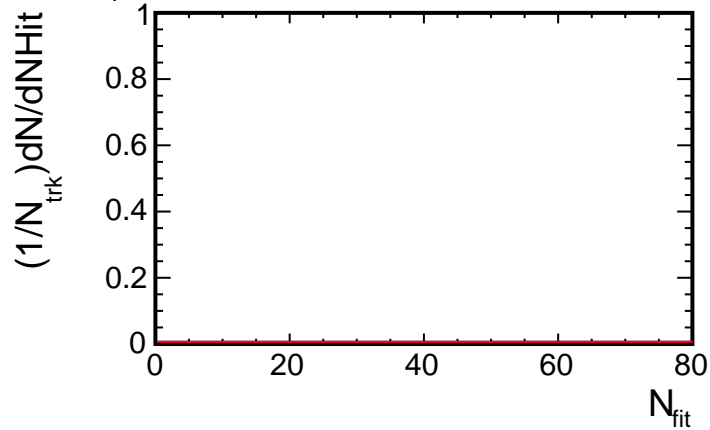
4, $4.5 < p_T < 5.0$ (GeV/c)



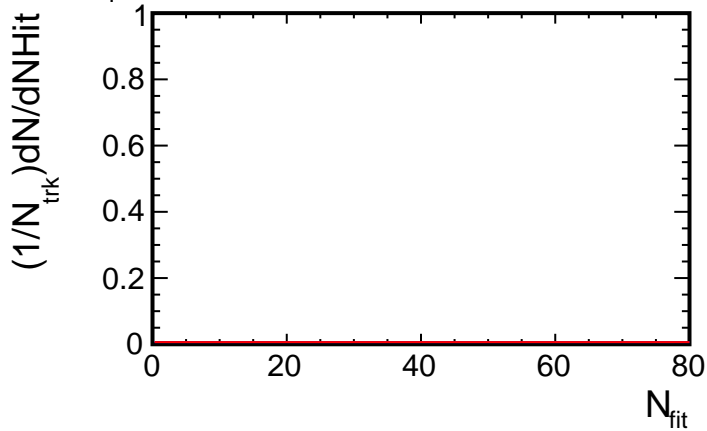
6, $4.5 < p_T < 5.0$ (GeV/c)



8, $4.5 < p_T < 5.0$ (GeV/c)



0, $4.5 < p_T < 5.0$ (GeV/c)



— Daughter He3 (from He4Lambda)
(CONTAM, geantid=49)

— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

End of QA