

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

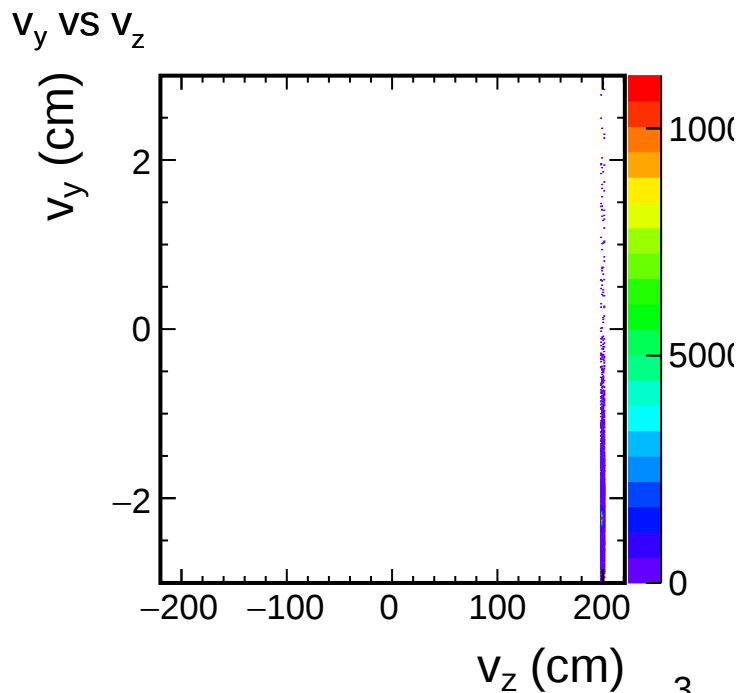
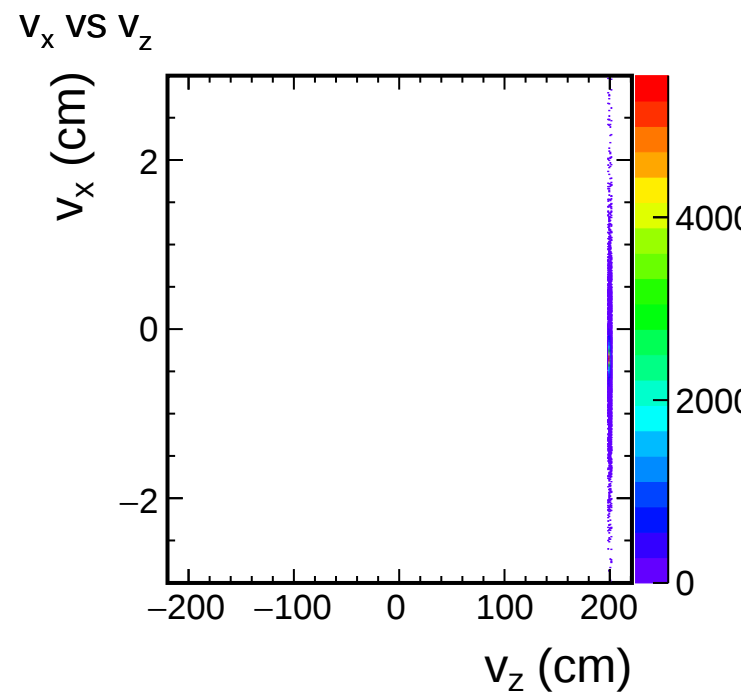
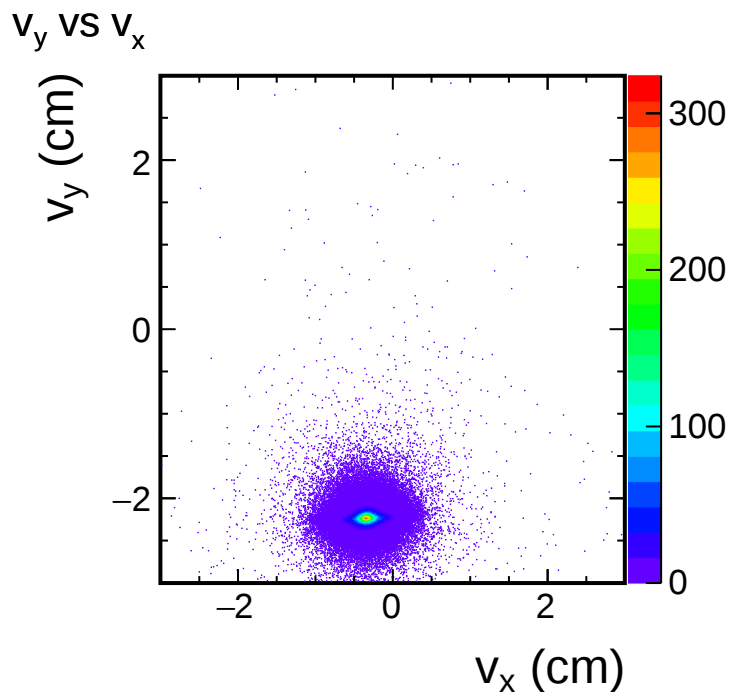
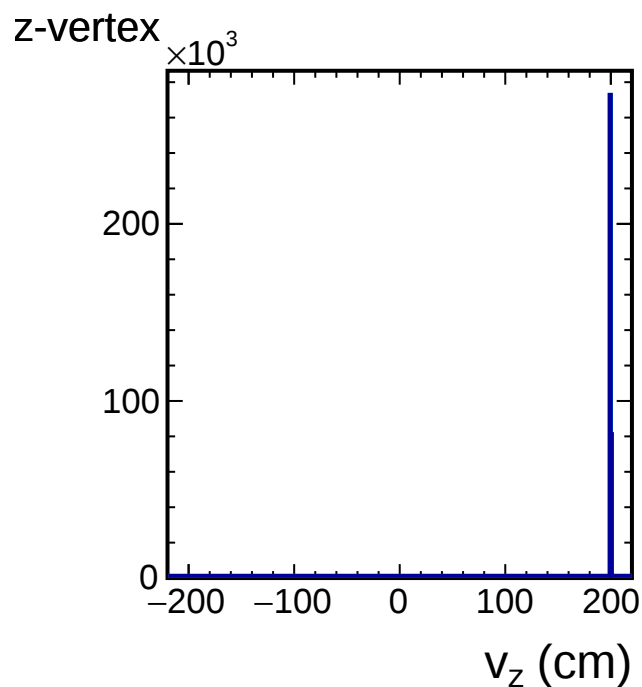
global Dca < 3.0 cm

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

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

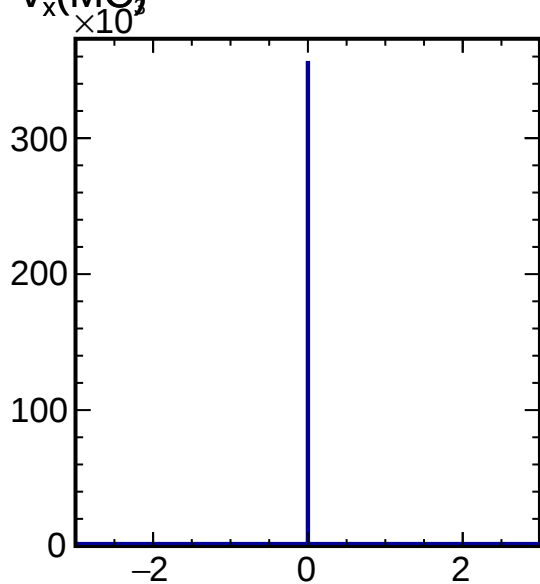
NOTE2: Cut on its own variable is currently disabled, e.x. no dca cut for dca histogram

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



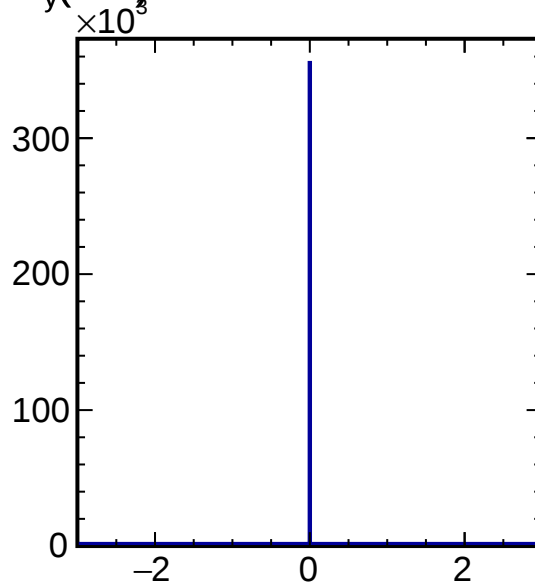
Event vertices, $\Delta v = v(\text{Data}) - v(\text{MC})$

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



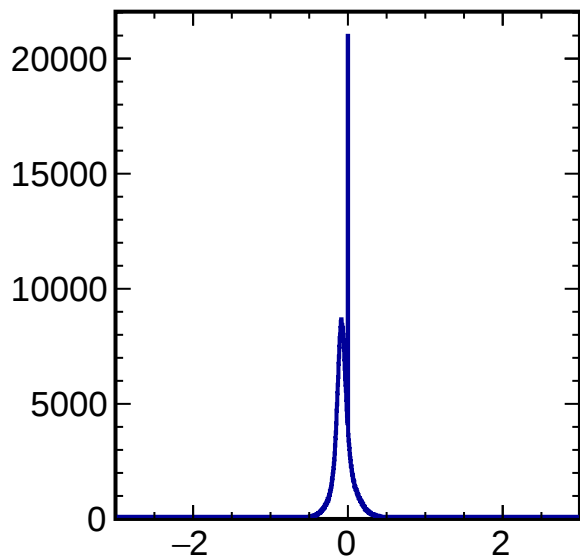
$$\Delta v_x = v_x - v_x(\text{MC}) \text{ (cm)}$$

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



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

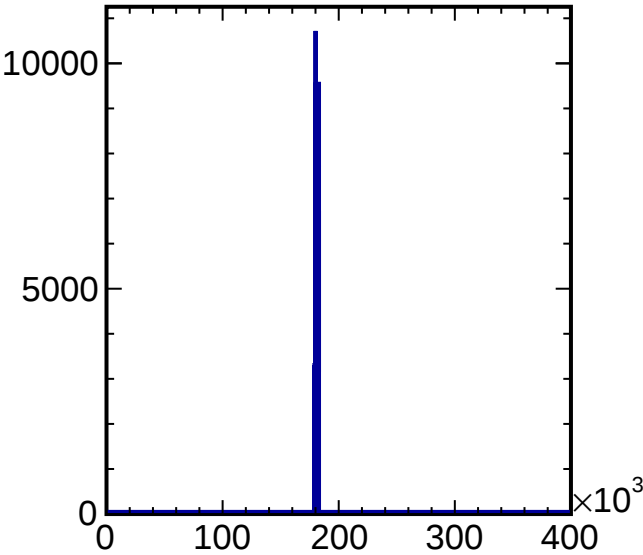
$$= v_z - v_z(\text{MC})$$



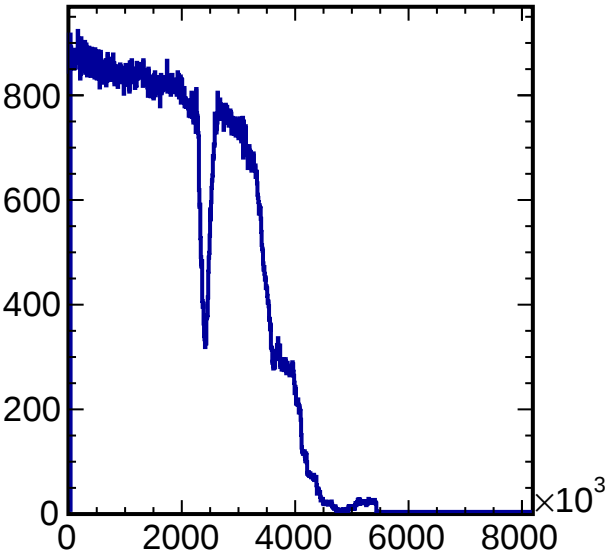
$$\Delta v_z = v_z - v_z(\text{MC}) \text{ (cm)}$$

Run and event id

(Year - 1999)×10⁶



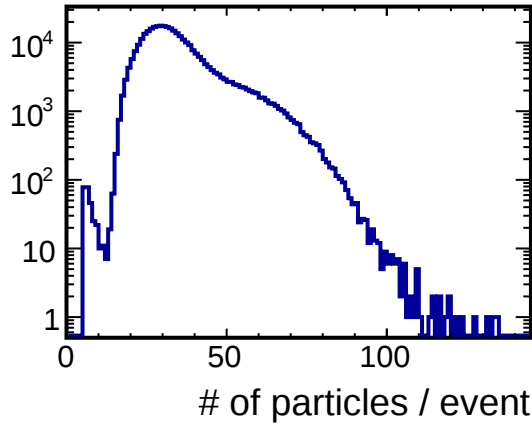
Event id



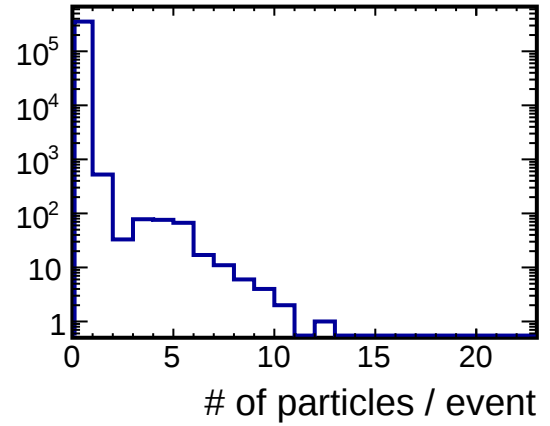
Run id	statistics	Run id	statistics	Run id	statistics	Run id	statistics
20179040	2374 events	20180022	3057 events	20181013	4540 events	20182018	9081 events
20179041	3307 events	20180023	3103 events	20181017	2963 events	20182035	1737 events
20180001	5585 events	20180024	9427 events	20181018	2318 events	20183002	1680 events
20180002	9012 events	20180026	3922 events	20181019	7611 events	20183003	3603 events
20180003	7232 events	20180045	3954 events	20181042	2964 events	20183004	2730 events
20180004	773 events	20180046	10720 events	20181043	3785 events	20183005	7614 events
20180007	5740 events	20180047	5739 events	20181044	6759 events	20183008	5074 events
20180008	2386 events	20180048	4842 events	20181045	284 events	20183009	4337 events
20180009	1774 events	20181001	4012 events	20182006	5631 events	20183010	4227 events
20180010	404 events	20181002	4821 events	20182007	2966 events	20183011	1069 events
20180011	9372 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	5988 events	20182010	1846 events	20183016	2531 events
20180014	3109 events	20181006	3930 events	20182011	5676 events	20183017	1415 events
20180015	2251 events	20181007	5107 events	20182012	5610 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	7744 events
20180018	9566 events	20181010	3607 events	20182015	3423 events	20183022	9589 events
20180020	2060 events	20181011	3021 events	20182016	2830 events	20183023	3192 events
20180021	2222 events	20181012	8678 events	20182017	6791 events	20183024	6729 events

Multiplicity distribution

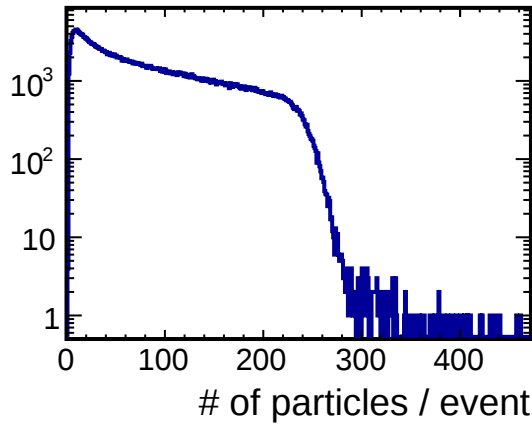
MC tracks



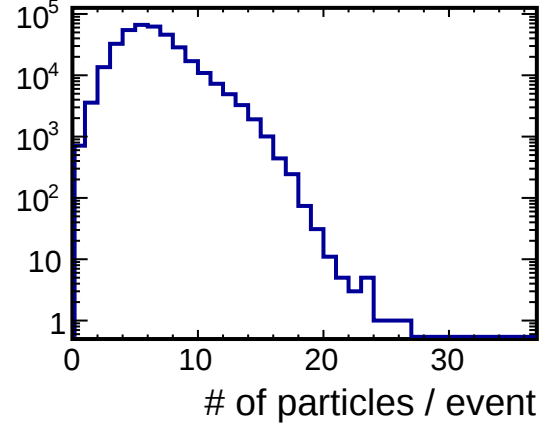
matched pairs



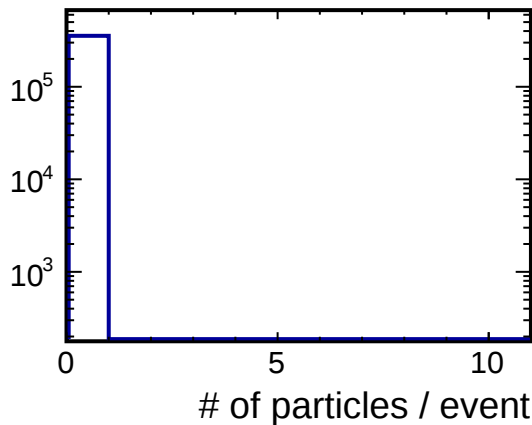
Ghost pairs



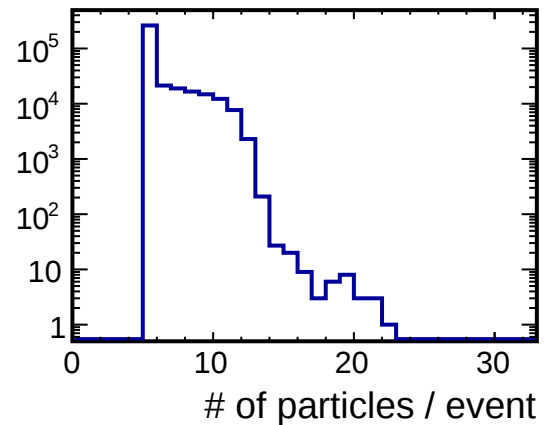
staminated pairs



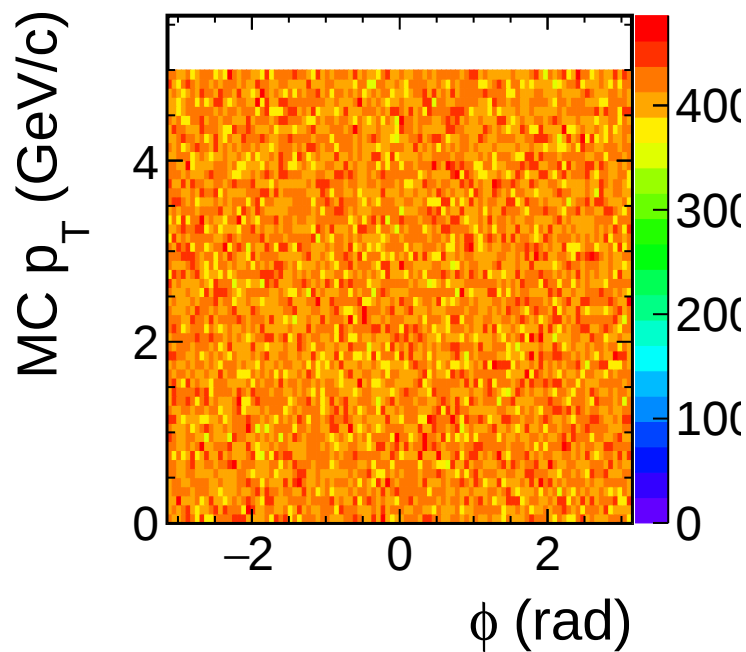
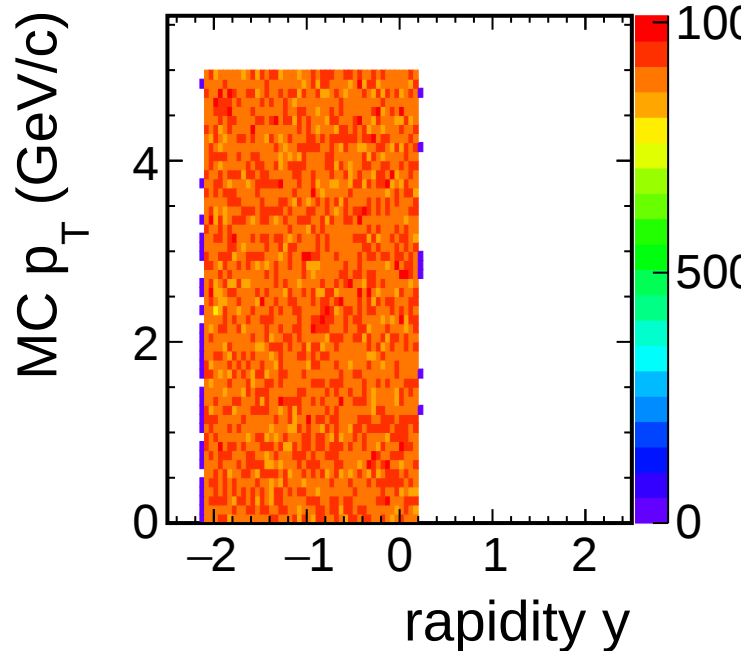
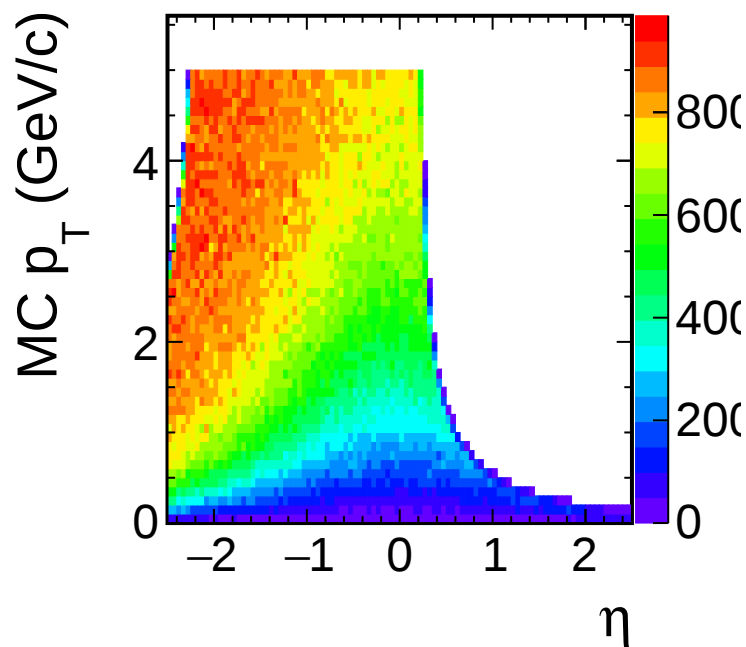
ched global pairs



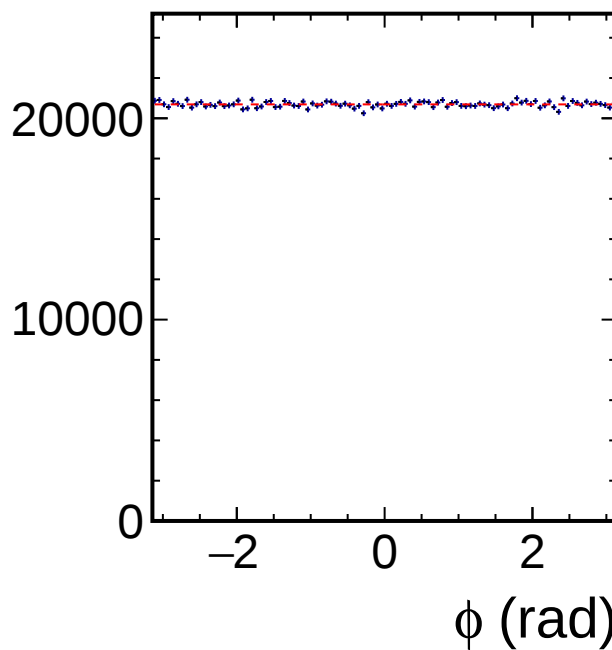
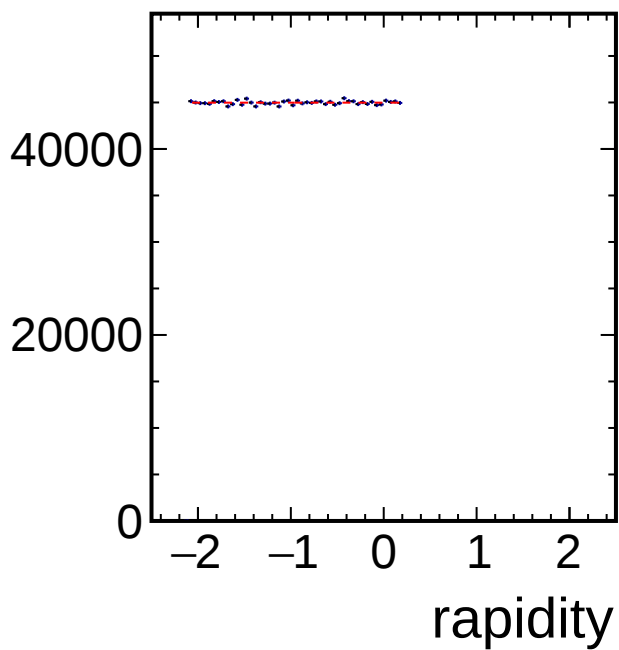
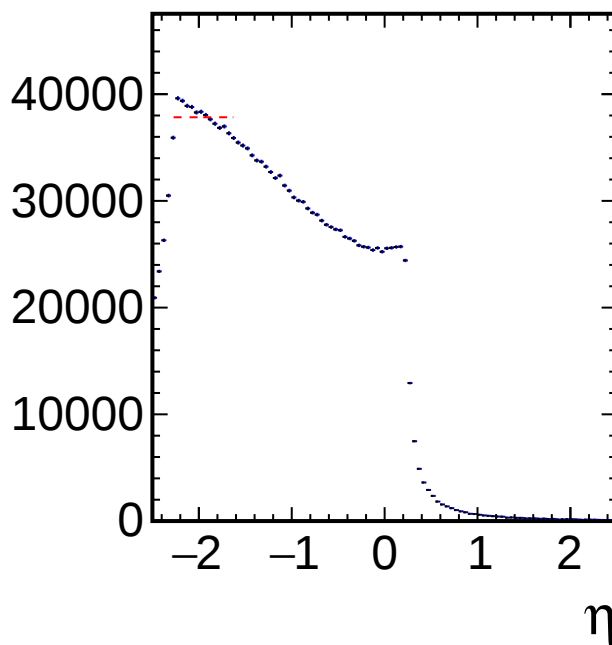
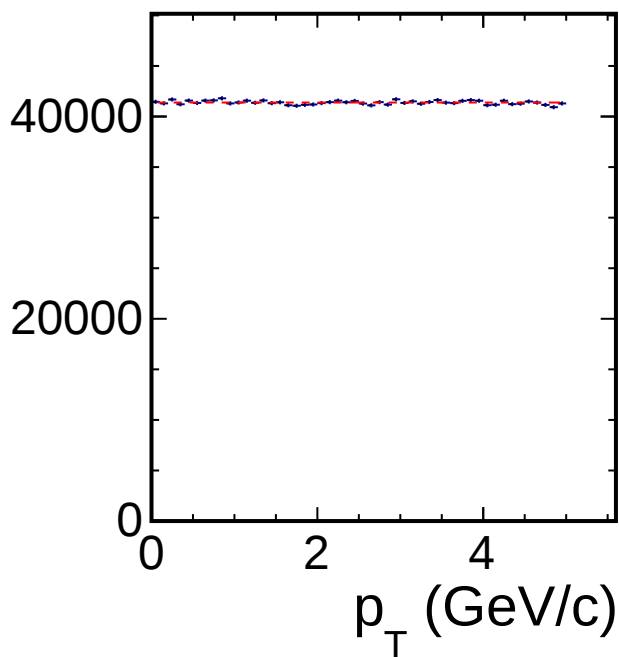
nary MC tracks



MC track QA (2D)

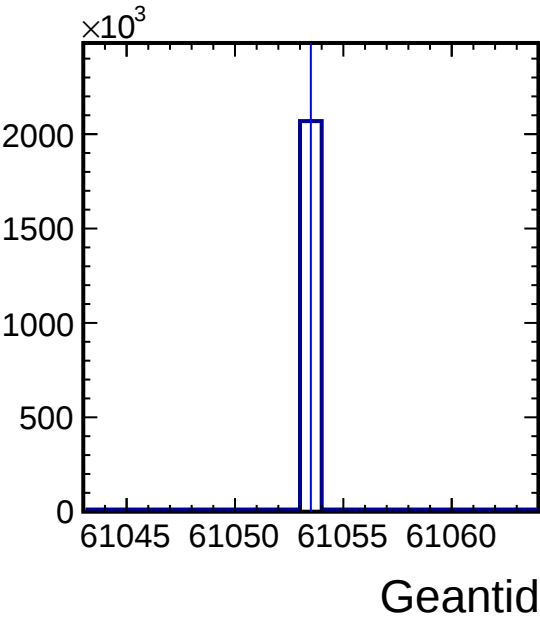


MC track QA (1D)

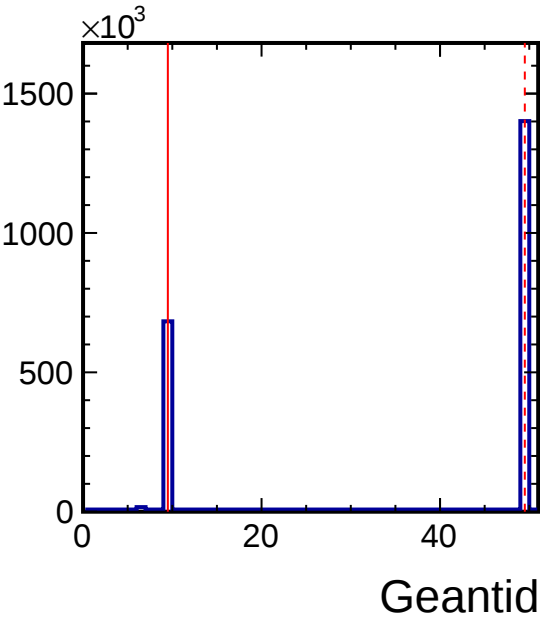


Geant id

it id for HyperTriton



tructed geant id

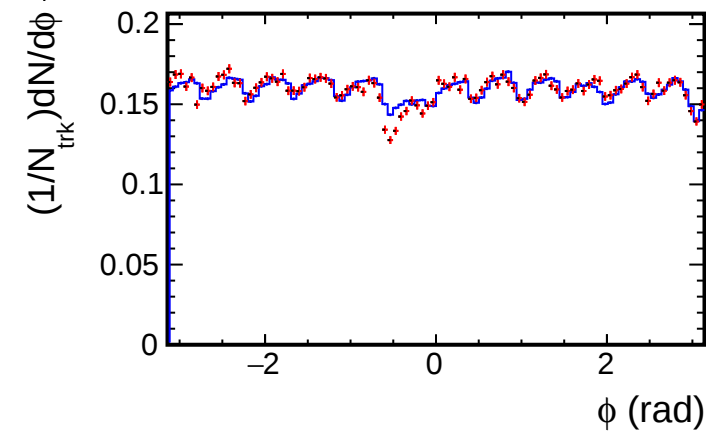


Particle informations

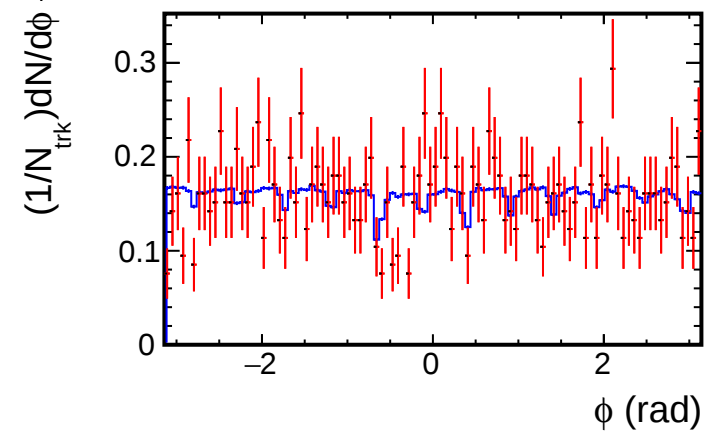
- Parent HyperTriton (MC, geantid=61053)
- Daughter pi- (from HyperTriton) (CONTAM, geantid=9)
- - - Daughter He3 (from HyperTriton) (CONTAM, geantid=49)

Projection of ϕ for each p_T bin

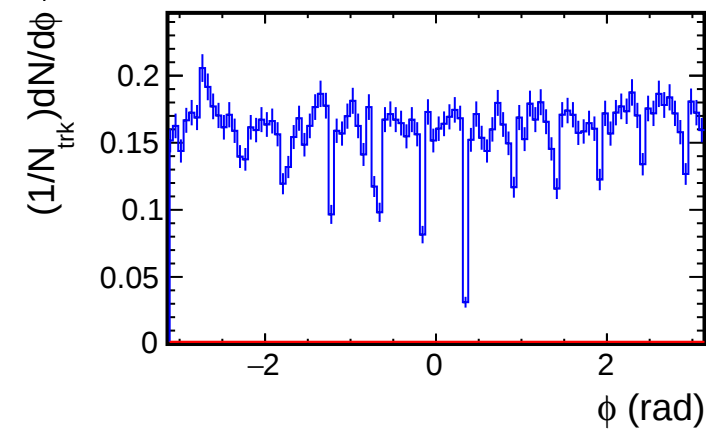
$p_T < 0.5$ (GeV/c)



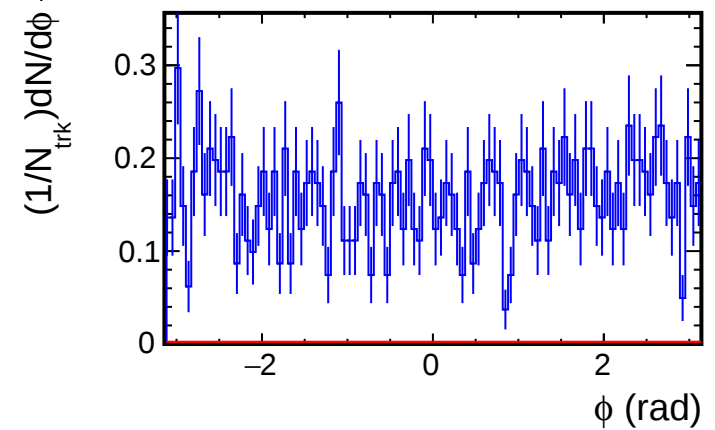
$p_T < 1.0$ (GeV/c)



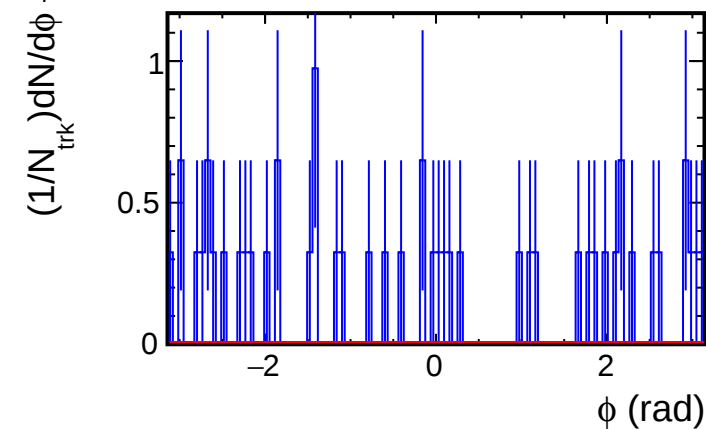
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



$p_T < 2.5$ (GeV/c)

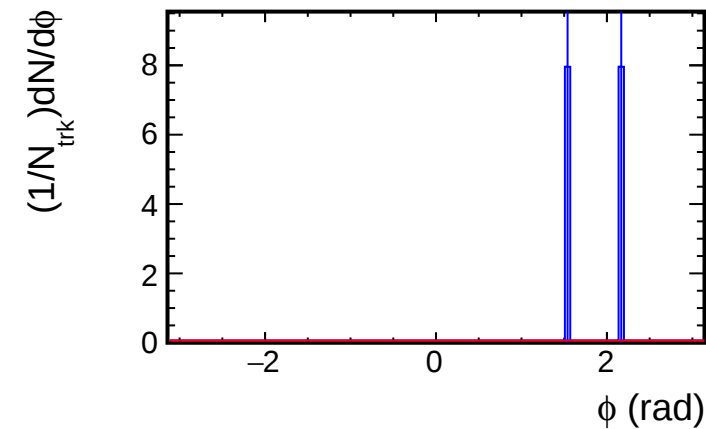


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

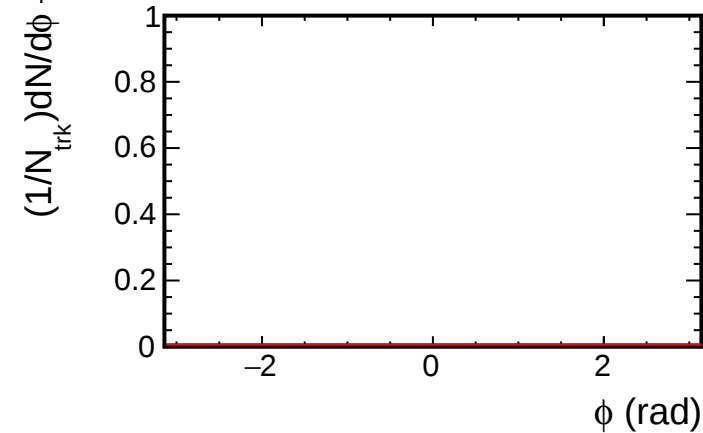
— pi-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Projection of ϕ for each p_T bin

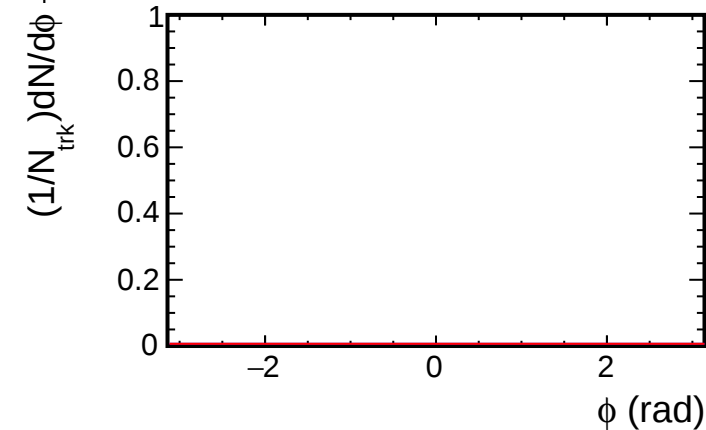
$p_T < 3.0$ (GeV/c)



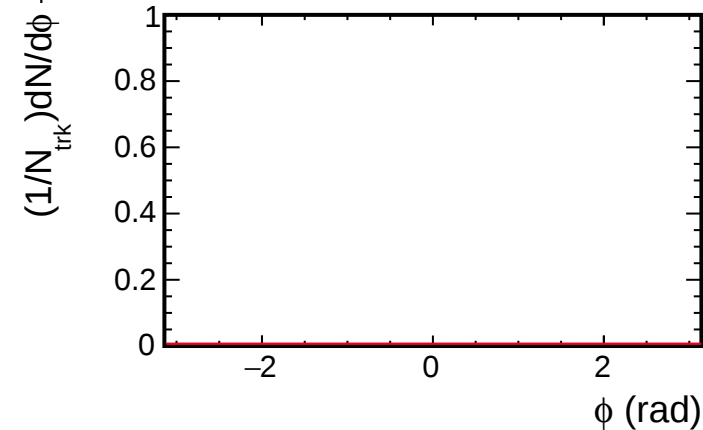
$p_T < 3.5$ (GeV/c)



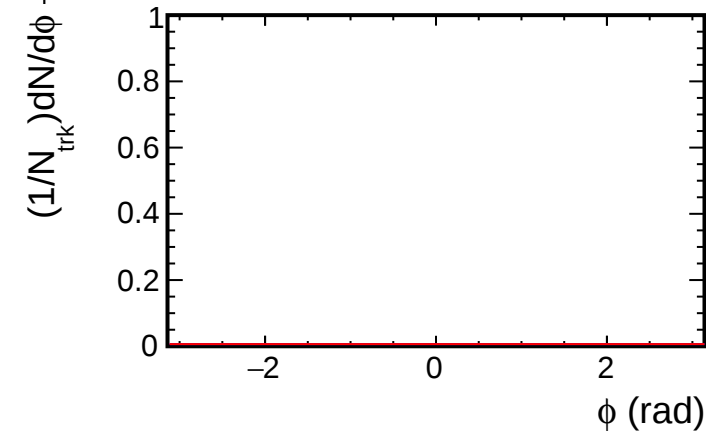
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



$p_T < 5.0$ (GeV/c)

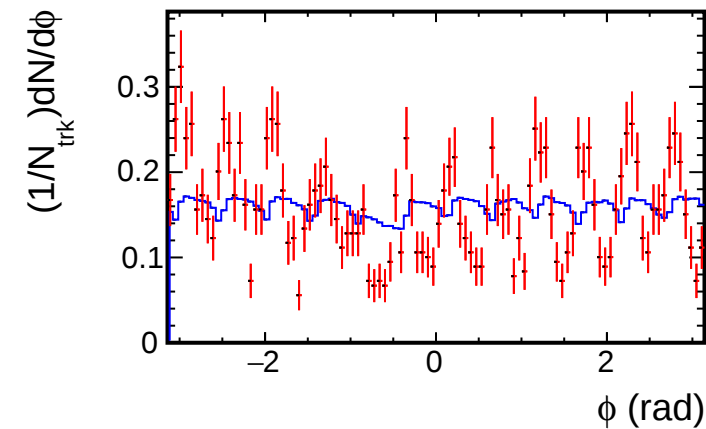


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

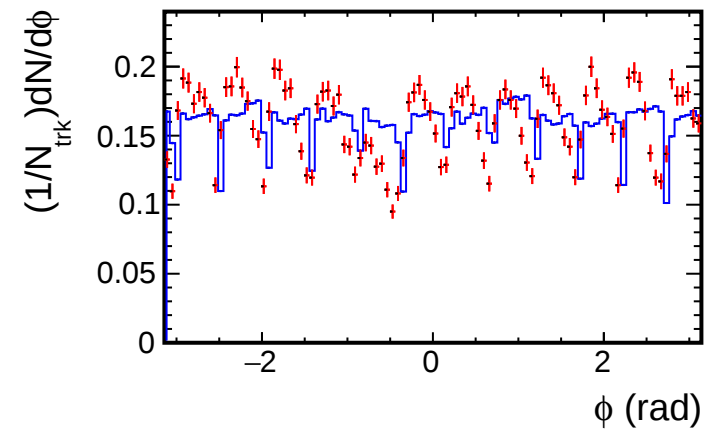
— pi-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Projection of ϕ for each p_T bin

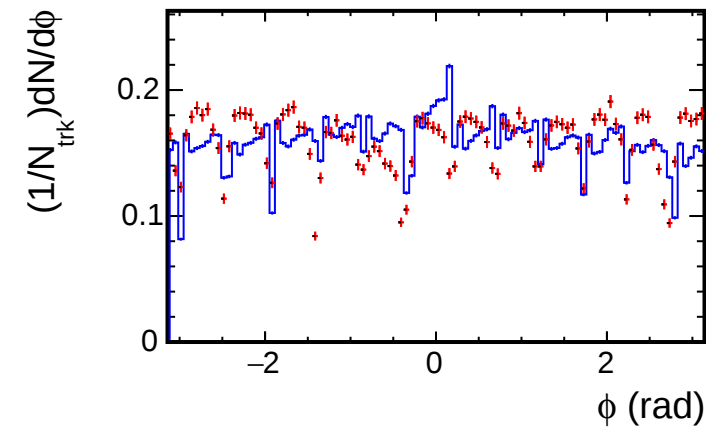
$p_T < 0.5$ (GeV/c)



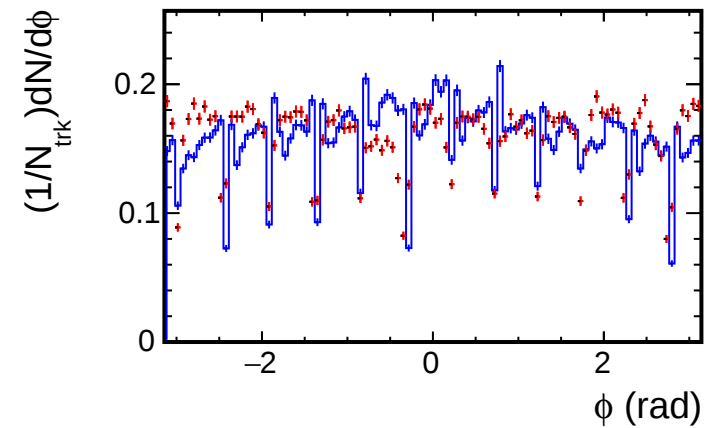
$p_T < 1.0$ (GeV/c)



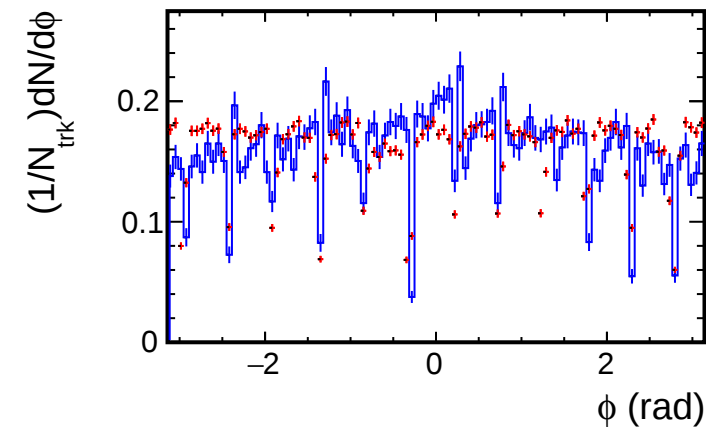
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



$p_T < 2.5$ (GeV/c)

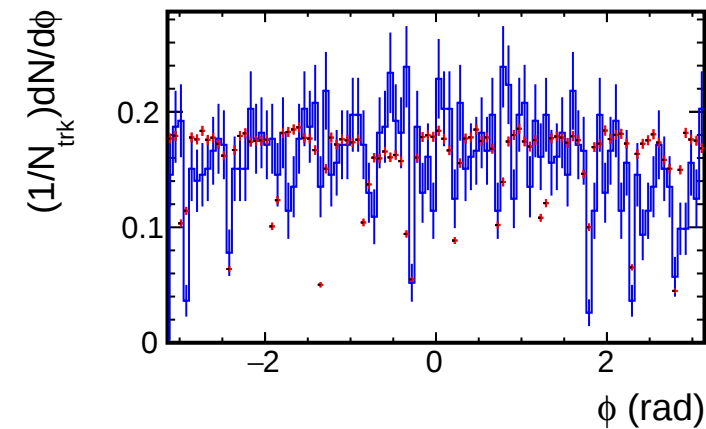


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

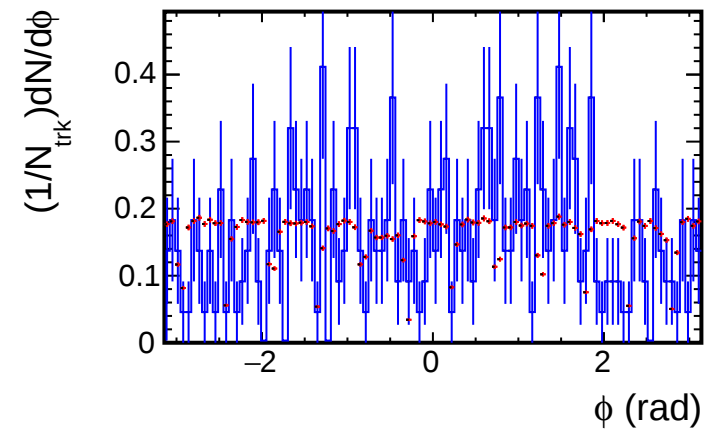
— π^+
(PRIMARY, $|\ln \sigma_{\pi^+}| < 2$ TPC)

Projection of ϕ for each p_T bin

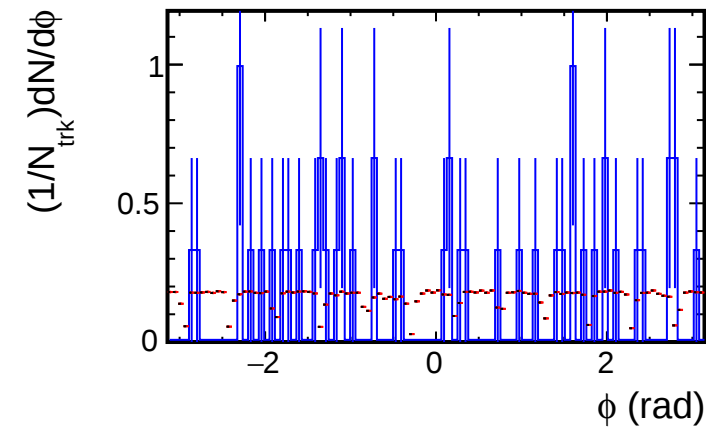
$p_T < 3.0$ (GeV/c)



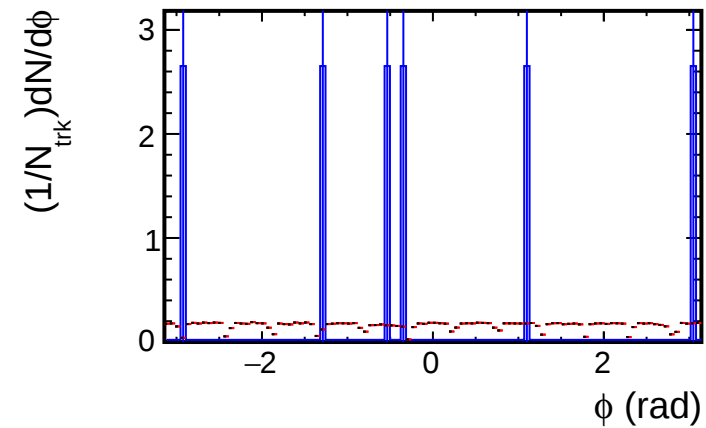
$p_T < 3.5$ (GeV/c)



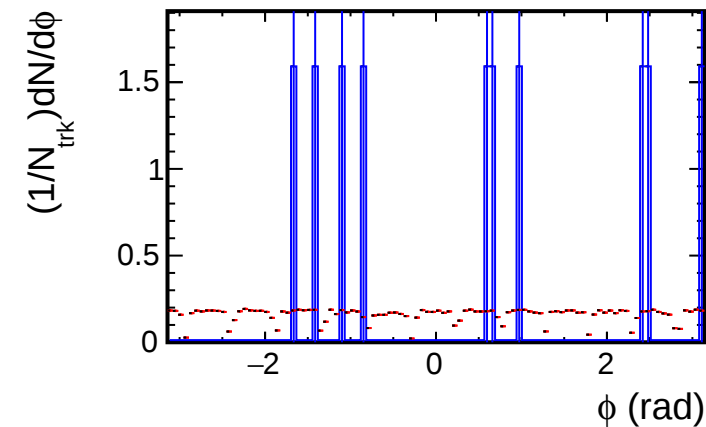
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



$p_T < 5.0$ (GeV/c)

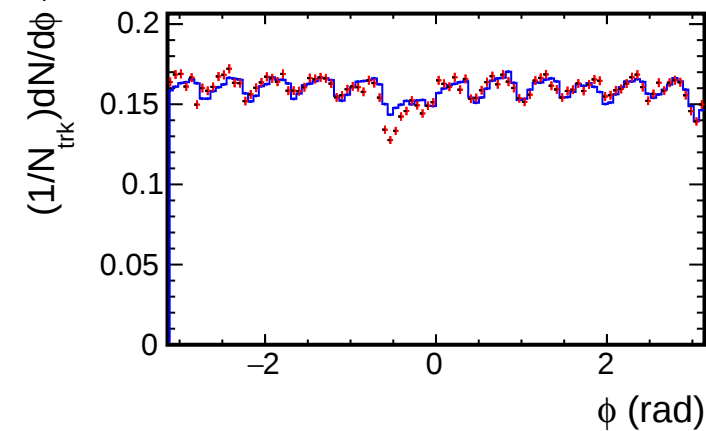


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

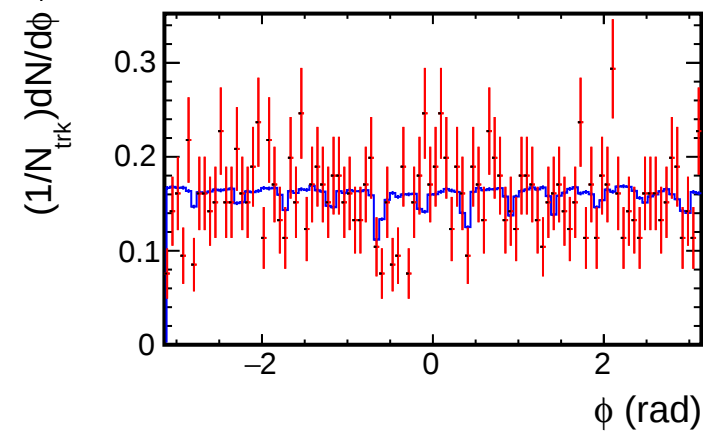
— π^+
(PRIMARY, $|n_{\sigma_{\pi^+}}| < 2$ TPC)

Projection of ϕ for each p_T bin

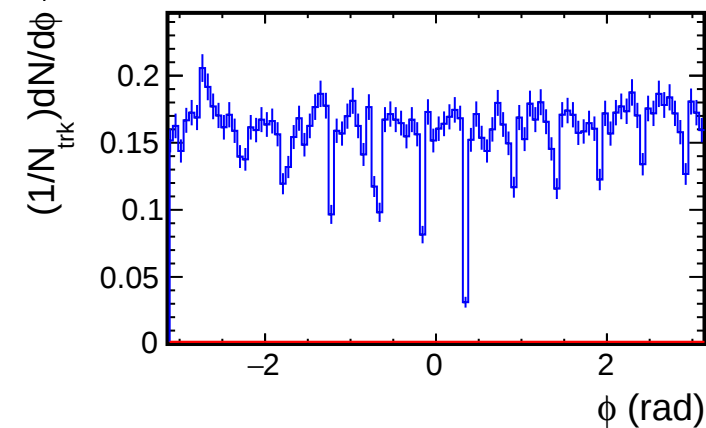
$p_T < 0.5$ (GeV/c)



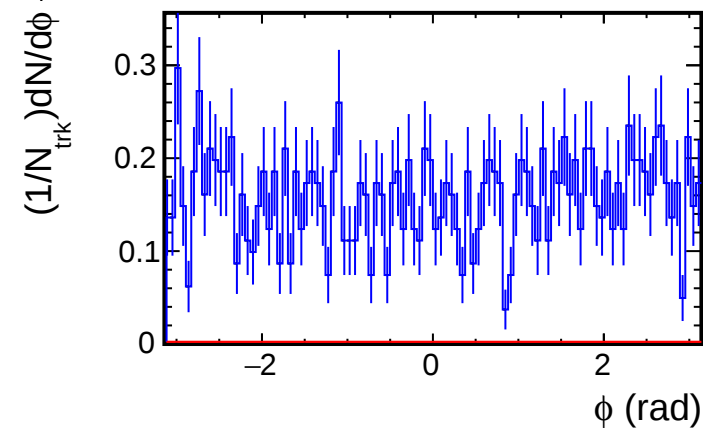
$p_T < 1.0$ (GeV/c)



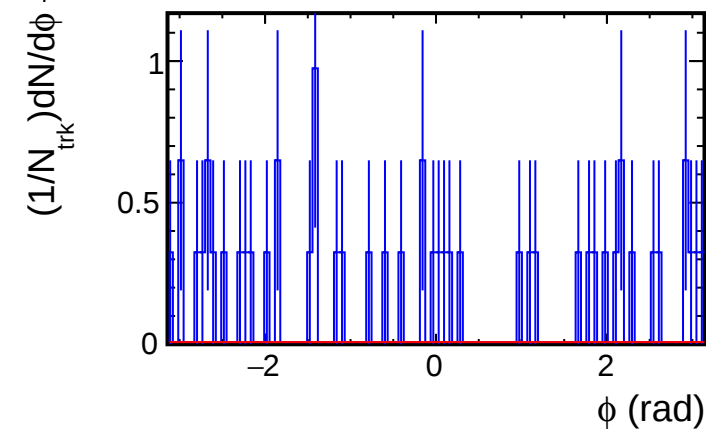
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



$p_T < 2.5$ (GeV/c)

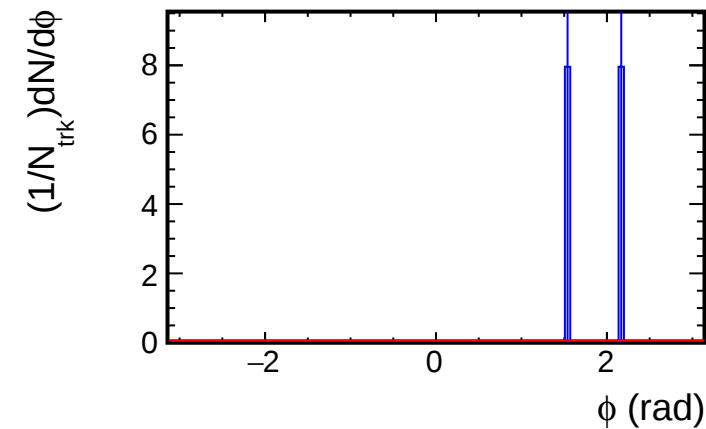


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

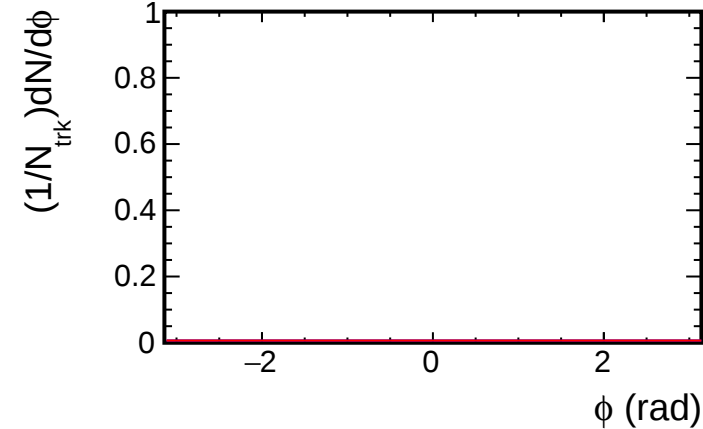
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi-}}| < 2$ TPC)

Projection of ϕ for each p_T bin

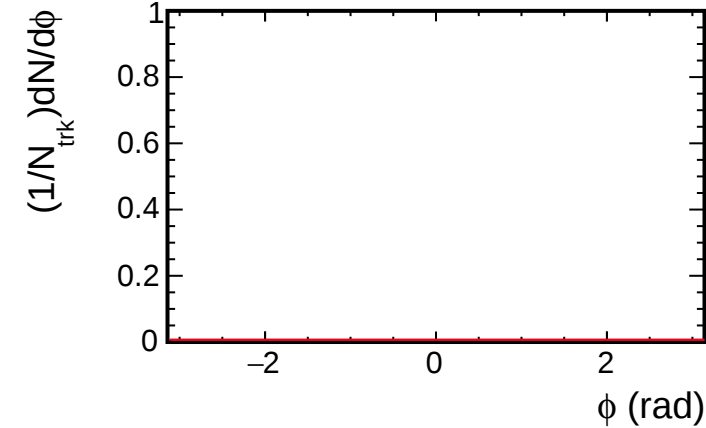
$p_T < 3.0$ (GeV/c)



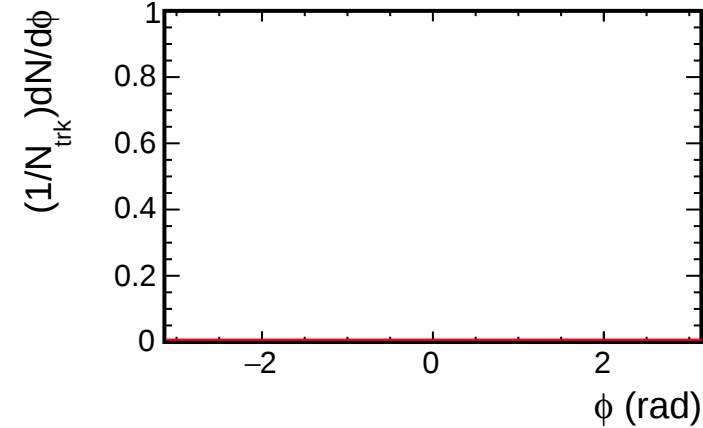
$p_T < 3.5$ (GeV/c)



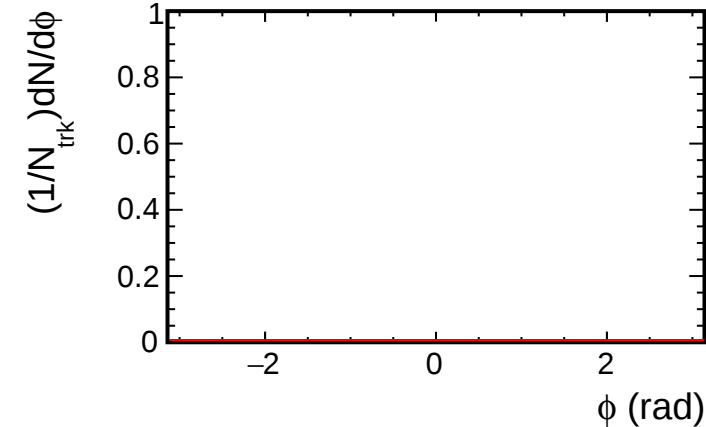
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



$p_T < 5.0$ (GeV/c)

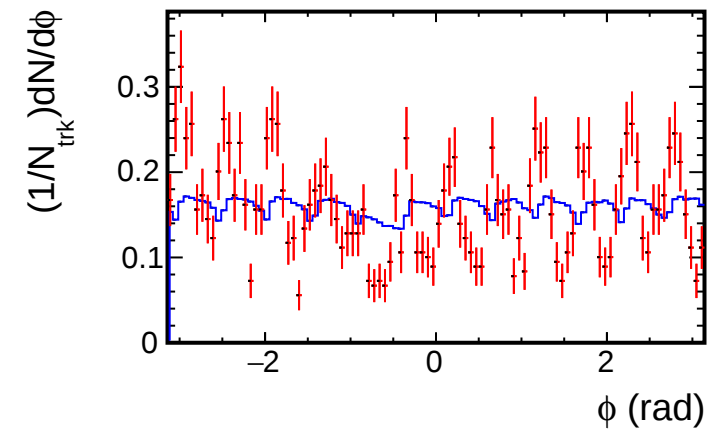


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

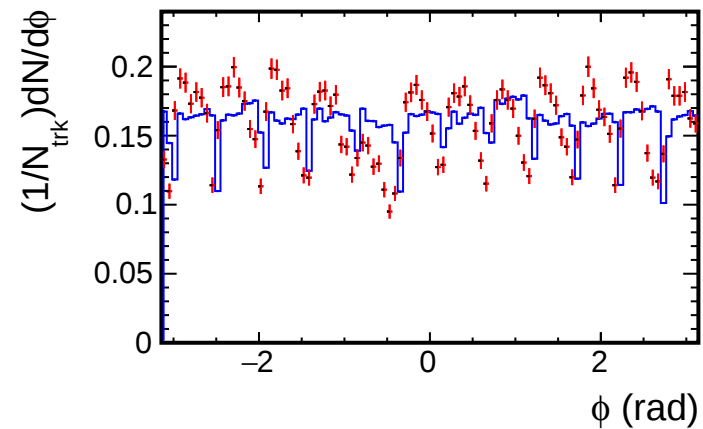
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi-}}| < 2$ TPC)

Projection of ϕ for each p_T bin

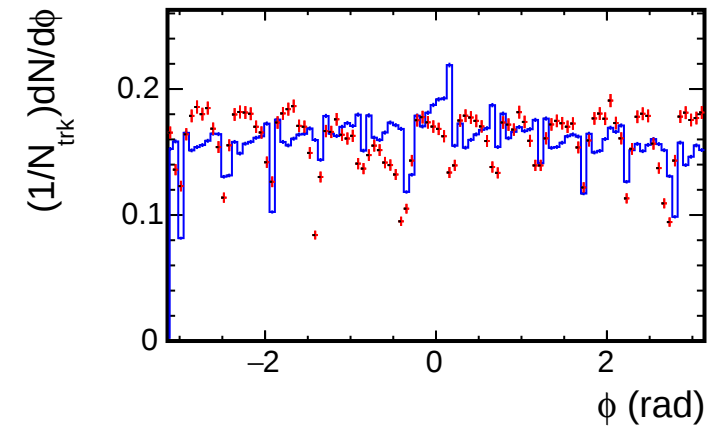
$p_T < 0.5$ (GeV/c)



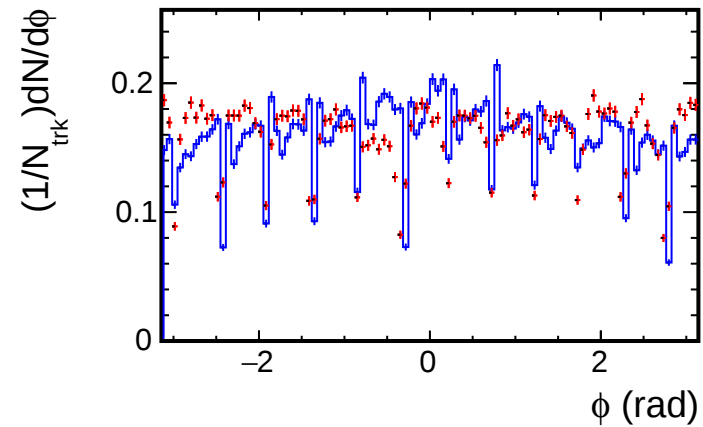
$p_T < 1.0$ (GeV/c)



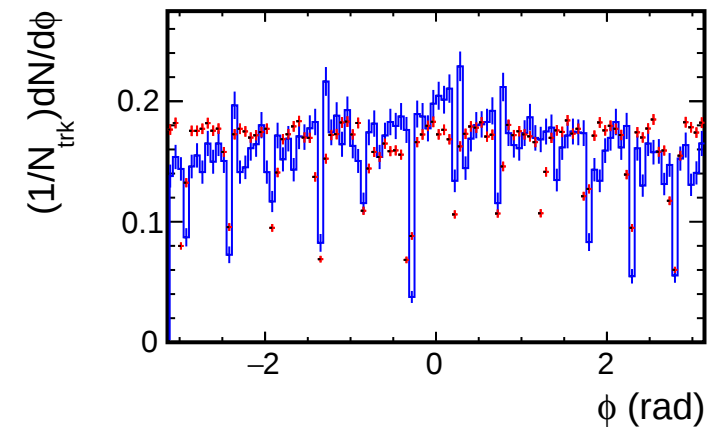
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



$p_T < 2.5$ (GeV/c)

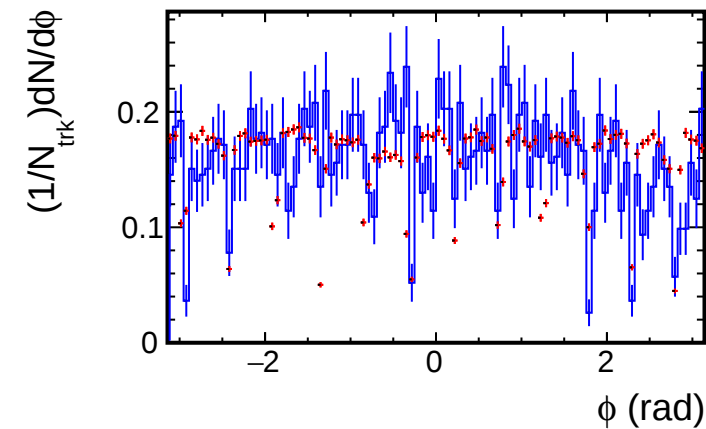


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

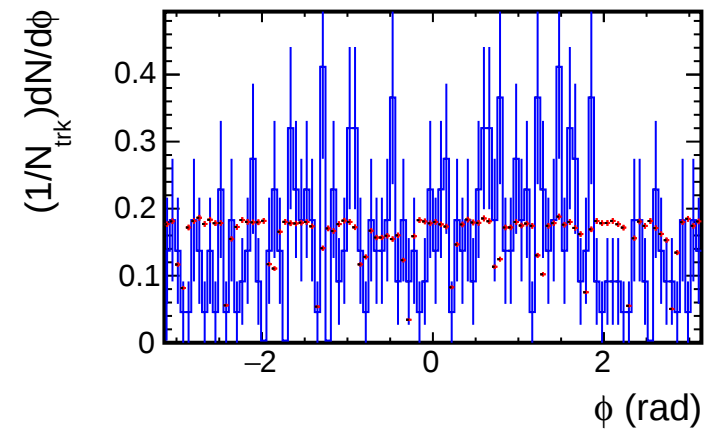
— π^+
(PRIMARY, $|\ln \sigma_{\pi^+}| < 2$ TPC)

Projection of ϕ for each p_T bin

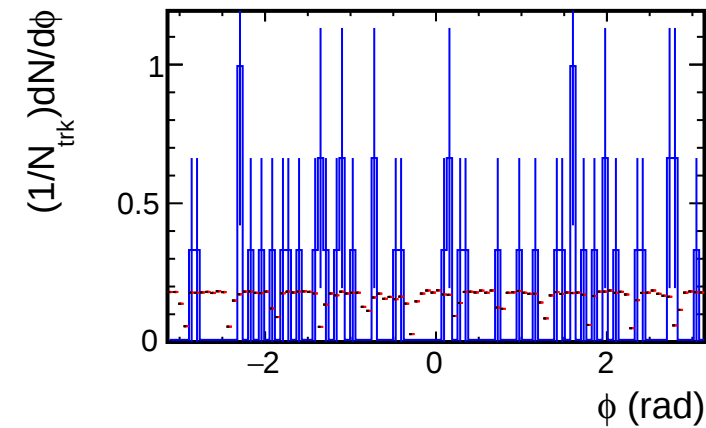
$p_T < 3.0$ (GeV/c)



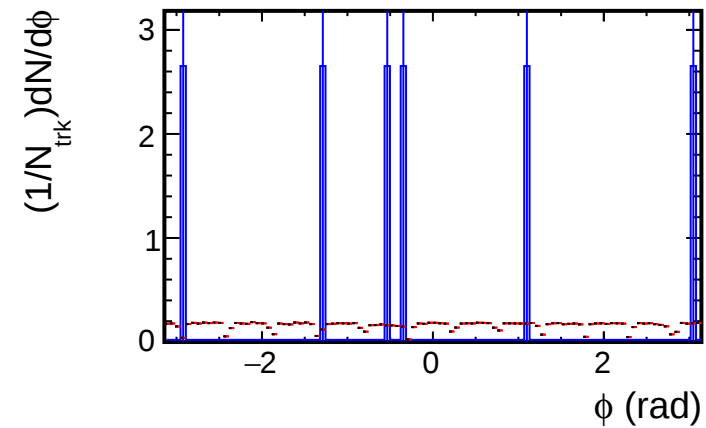
$p_T < 3.5$ (GeV/c)



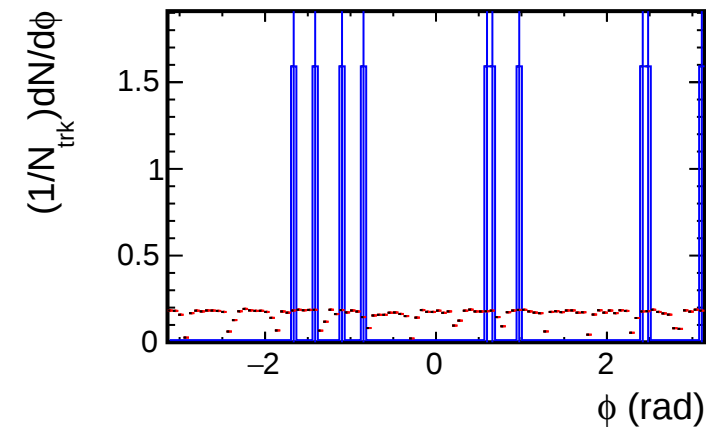
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



$p_T < 5.0$ (GeV/c)

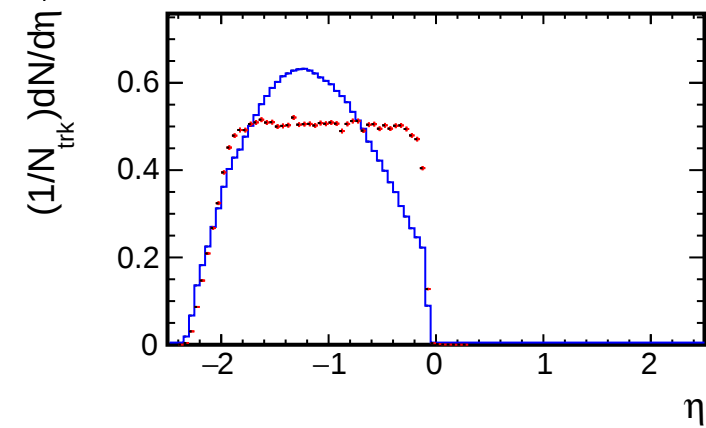


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

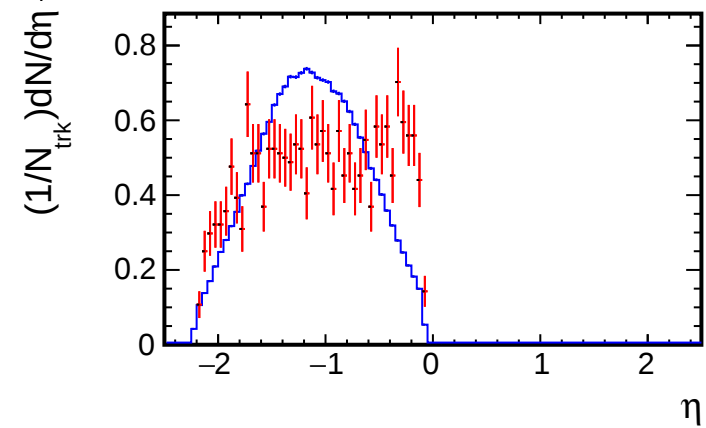
— π^+
(PRIMARY, $|n_{\sigma_{\pi^+}}| < 2$ TPC)

Projection of η for each p_T bin

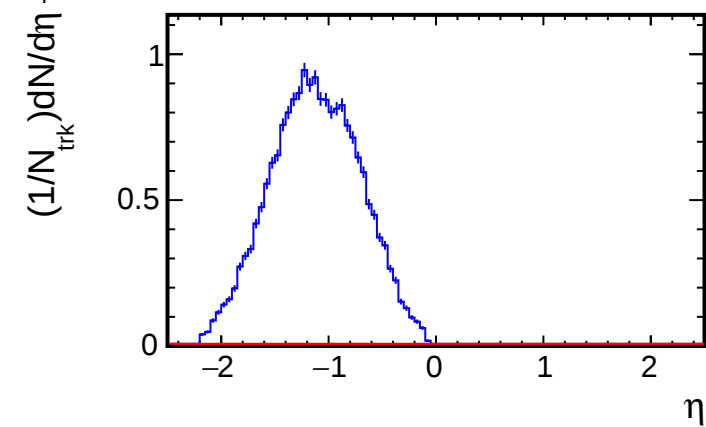
$p_T < 0.5$ (GeV/c)



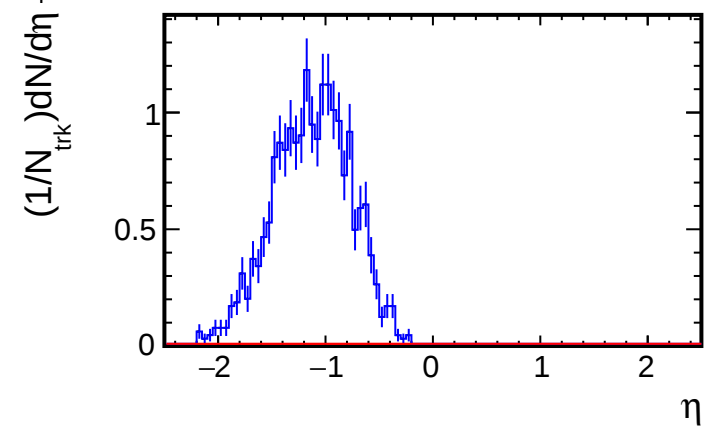
$p_T < 1.0$ (GeV/c)



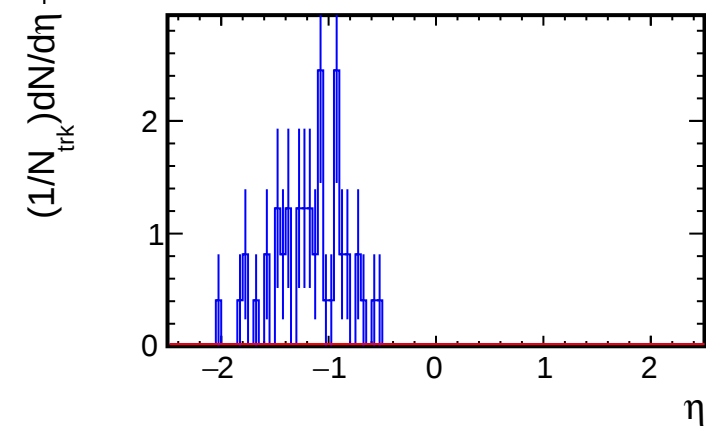
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



$p_T < 2.5$ (GeV/c)

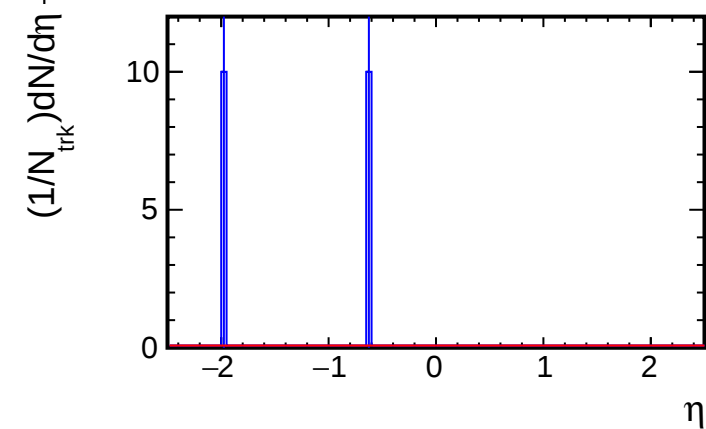


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

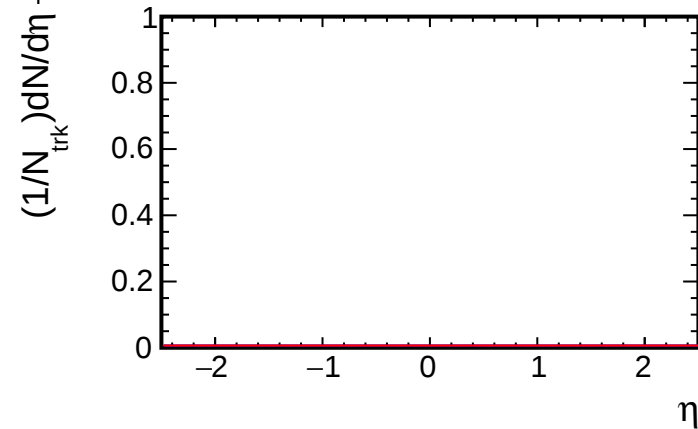
— pi-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Projection of η for each p_T bin

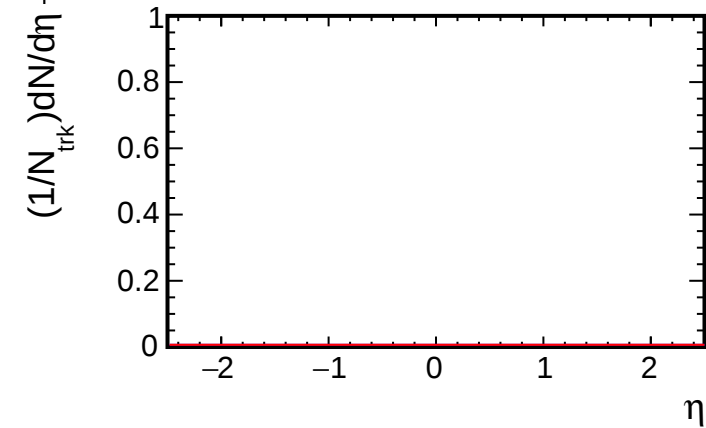
$p_T < 3.0$ (GeV/c)



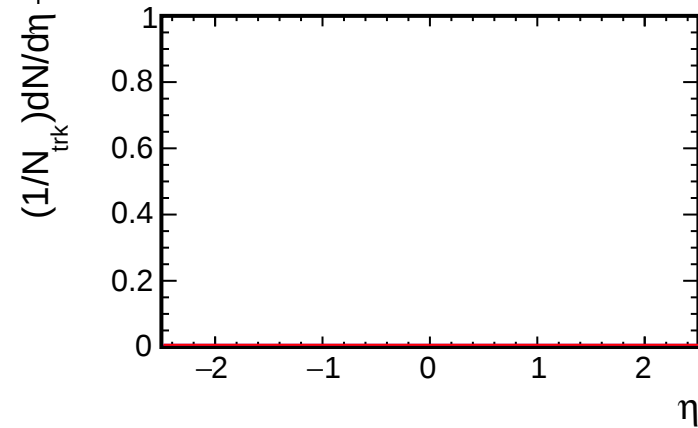
$p_T < 3.5$ (GeV/c)



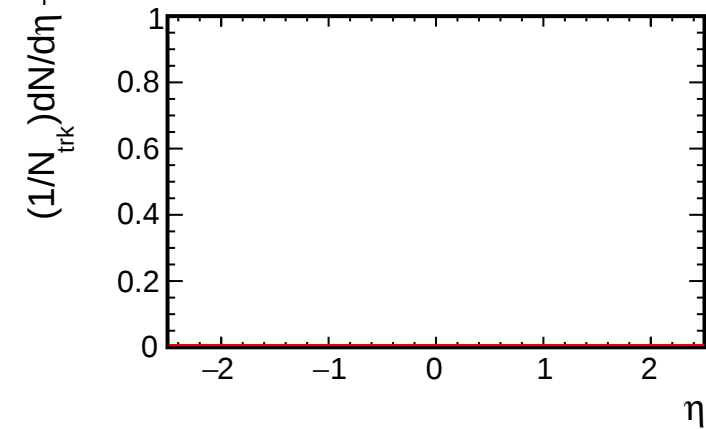
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



$p_T < 5.0$ (GeV/c)

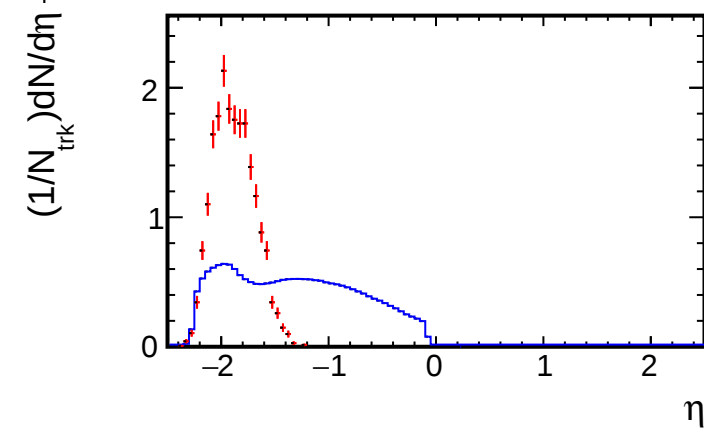


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

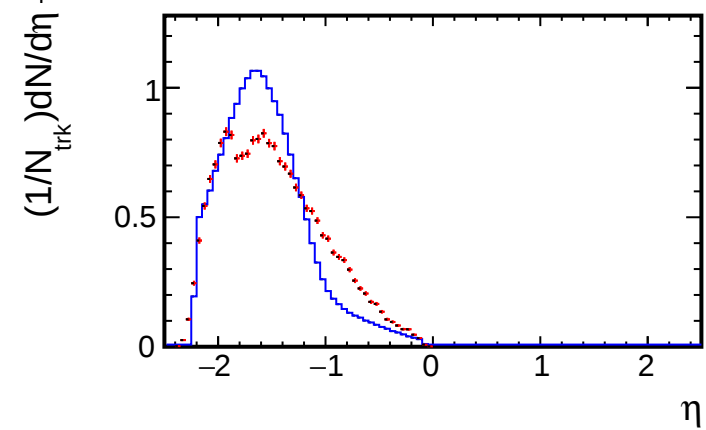
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi-}}| < 2$ TPC)

Projection of η for each p_T bin

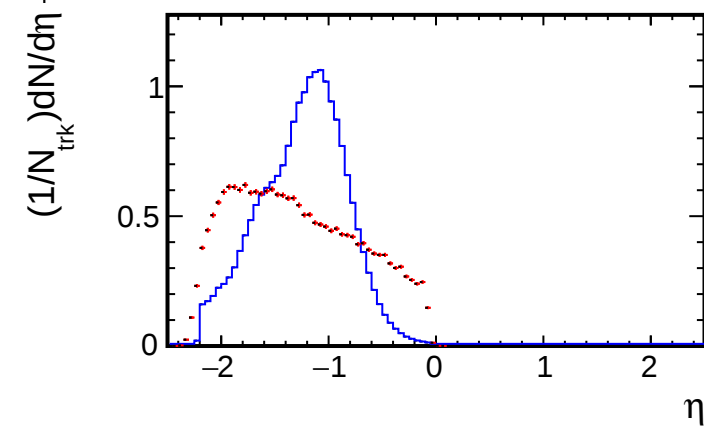
$p_T < 0.5$ (GeV/c)



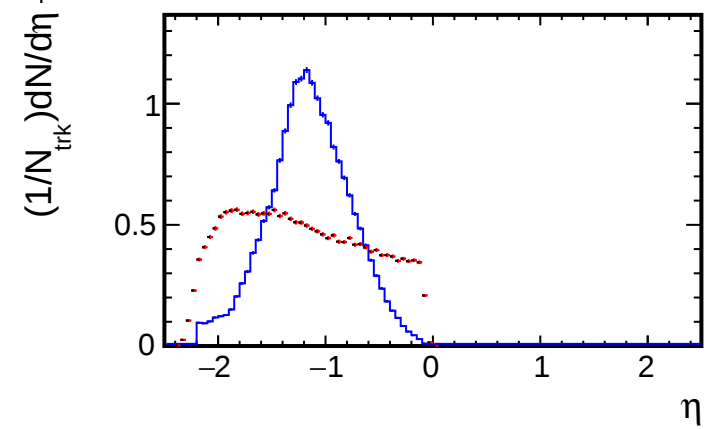
$p_T < 1.0$ (GeV/c)



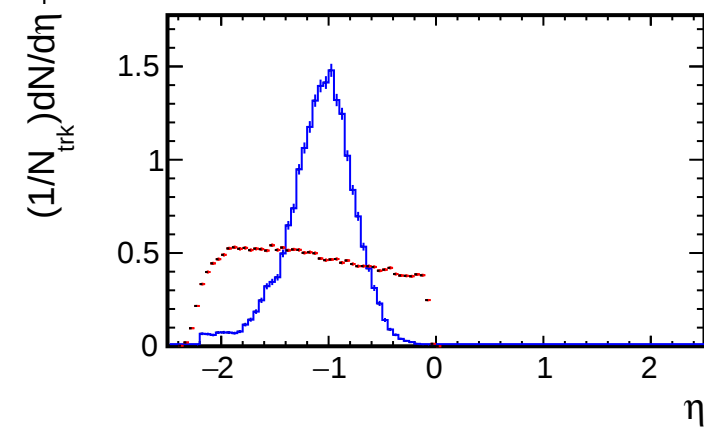
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



$p_T < 2.5$ (GeV/c)

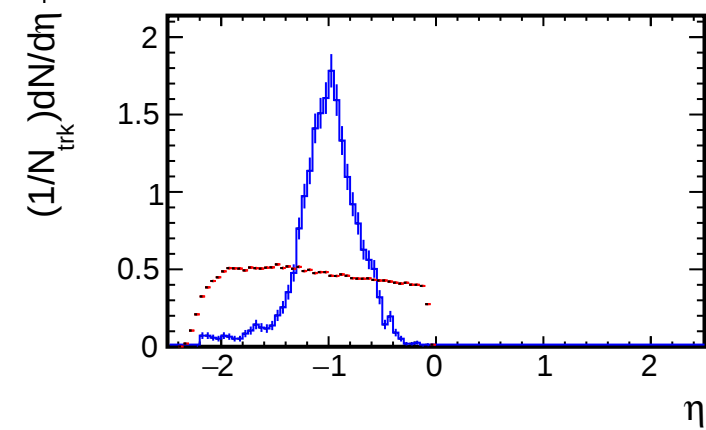


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

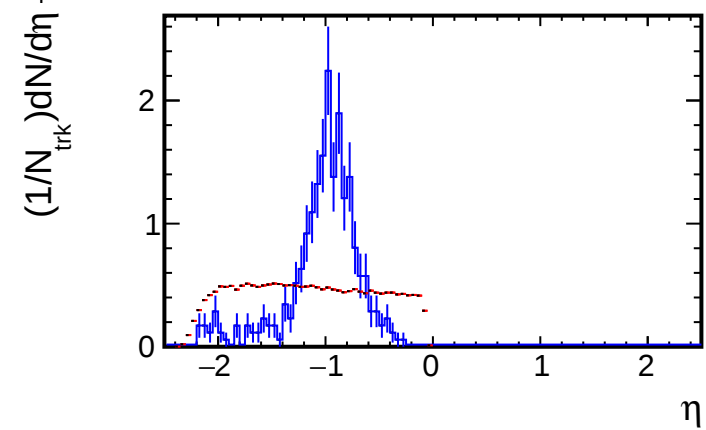
— π^+
(PRIMARY, $|\ln \sigma_{\pi^+}| < 2$ TPC)

Projection of η for each p_T bin

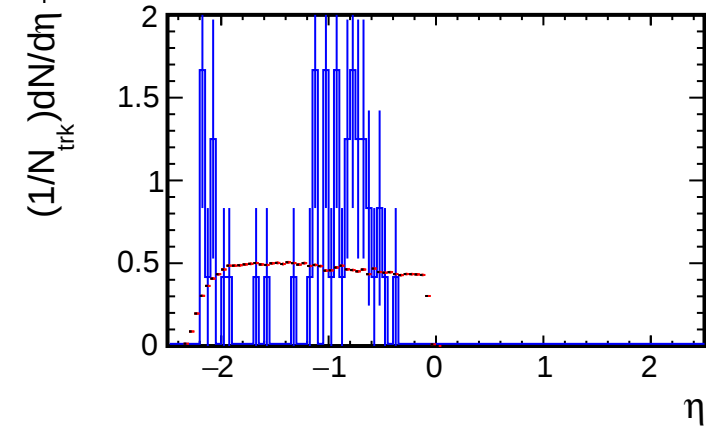
$p_T < 3.0$ (GeV/c)



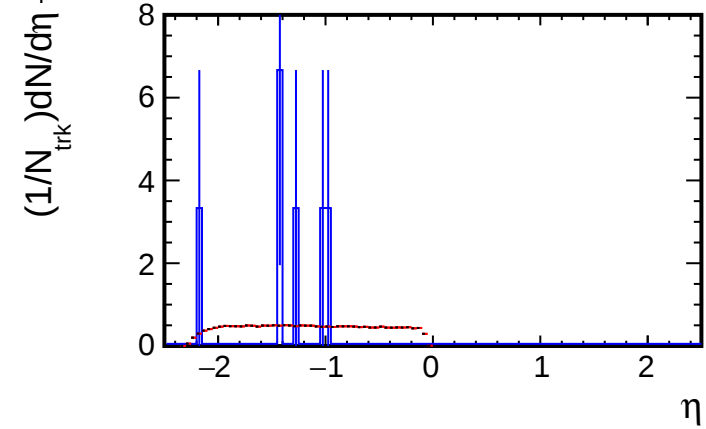
$p_T < 3.5$ (GeV/c)



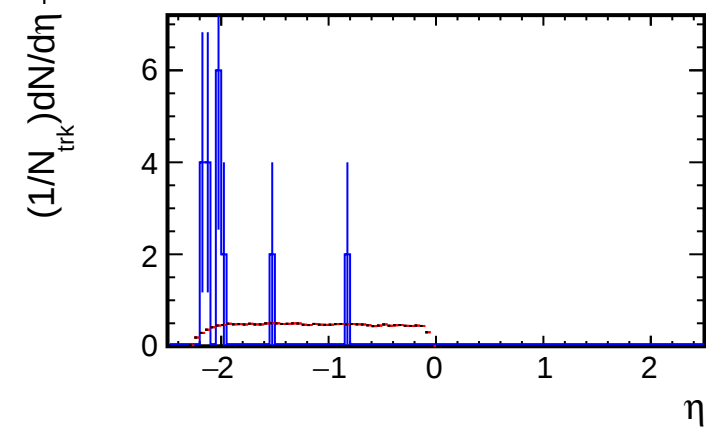
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



$p_T < 5.0$ (GeV/c)

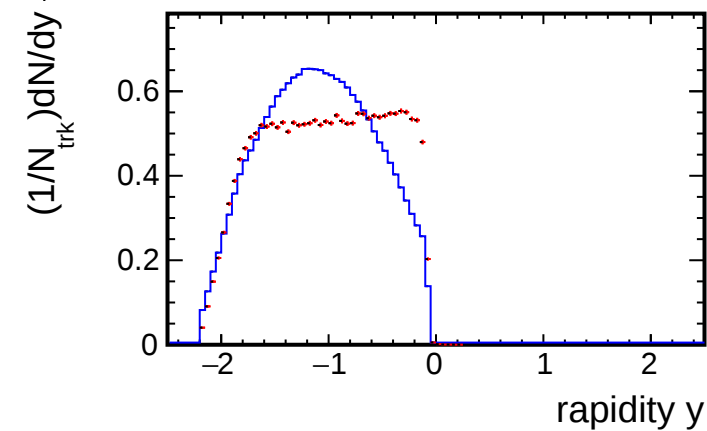


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

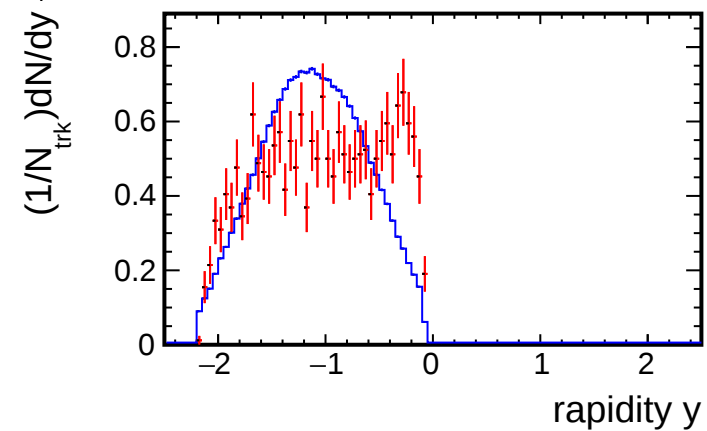
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Projection of y for each p_T bin

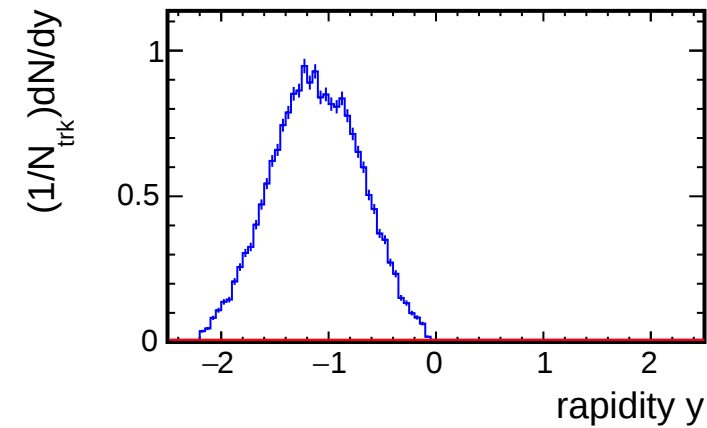
$p_T < 0.5$ (GeV/c)



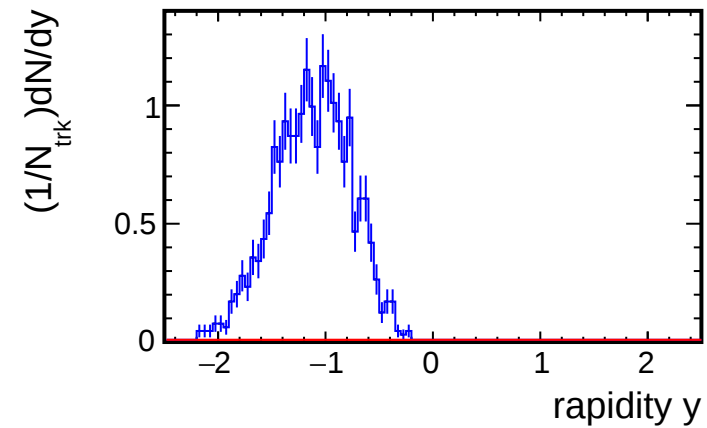
$p_T < 1.0$ (GeV/c)



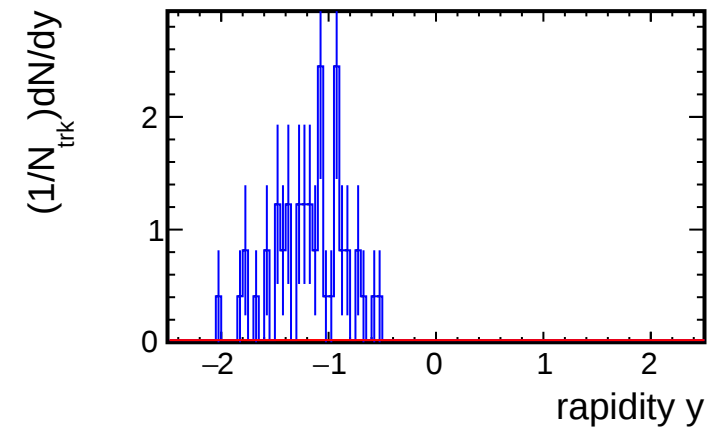
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



$p_T < 2.5$ (GeV/c)

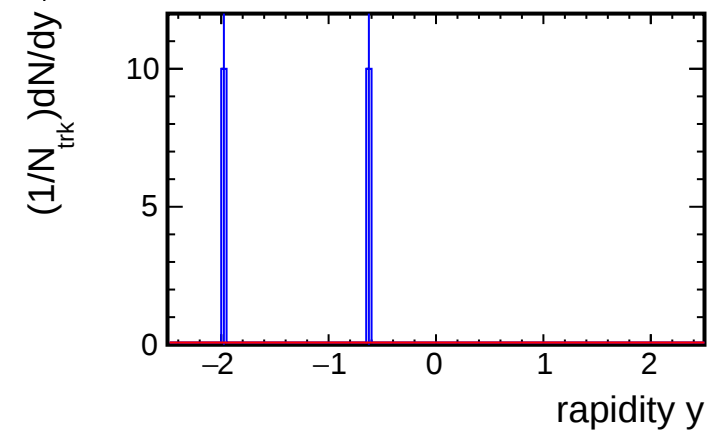


— Daughter π^- (from HyperTriton)
(CONTAM, geantid=9)

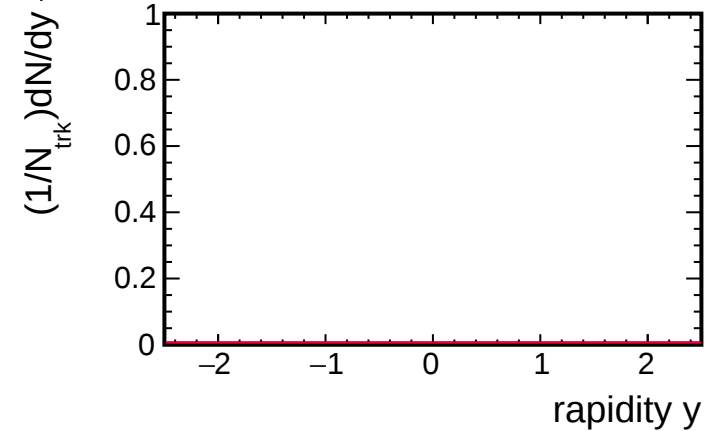
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Projection of y for each p_T bin

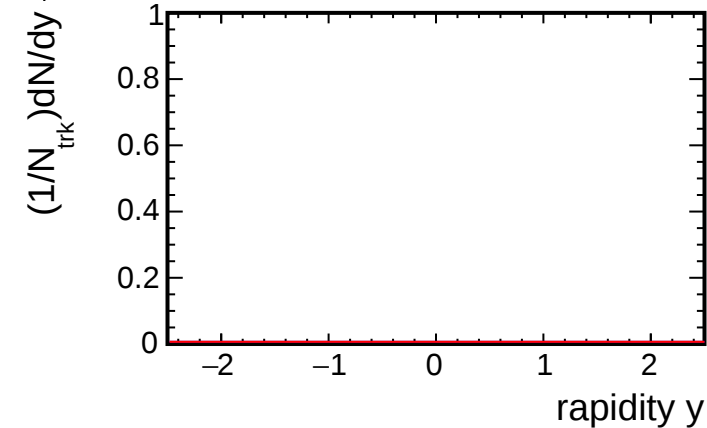
$p_T < 3.0$ (GeV/c)



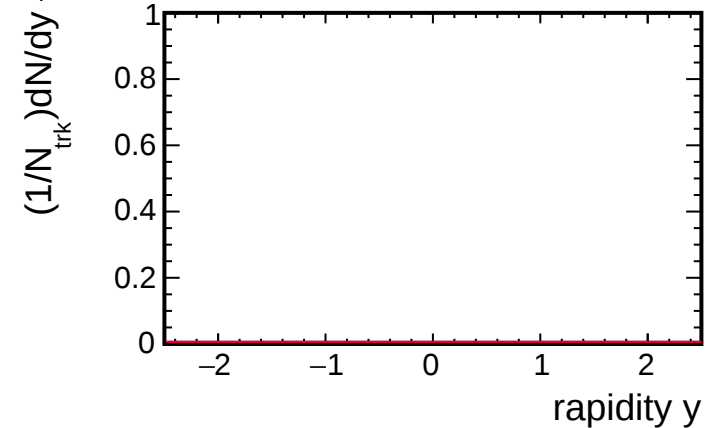
$p_T < 3.5$ (GeV/c)



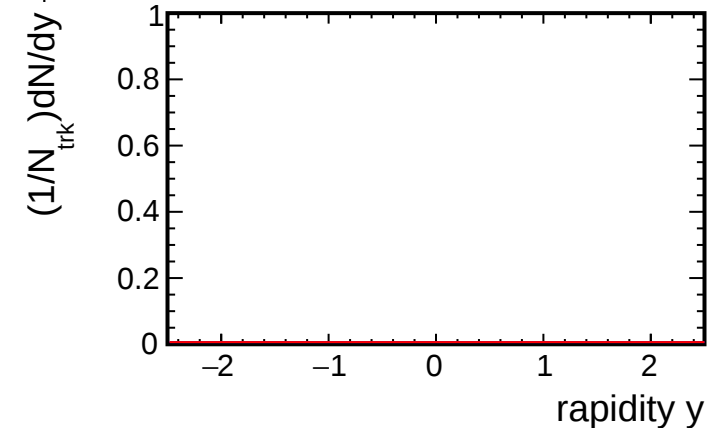
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



$p_T < 5.0$ (GeV/c)

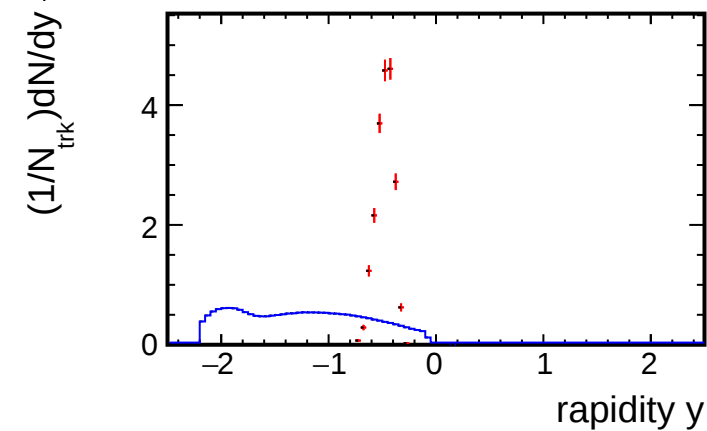


— Daughter π^- (from HyperTriton)
(CONTAM, geantid=9)

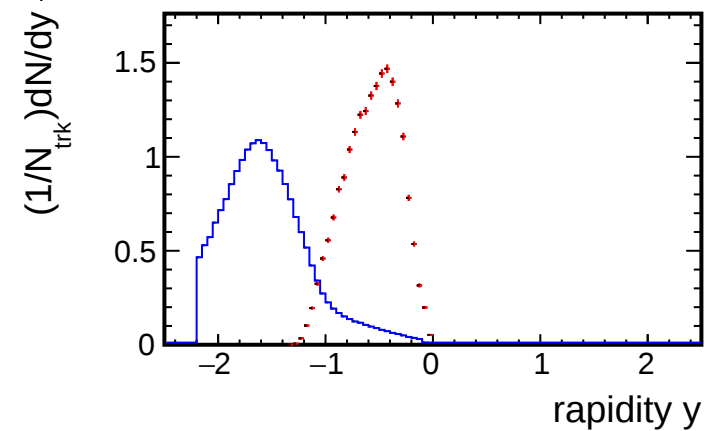
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Projection of y for each p_T bin

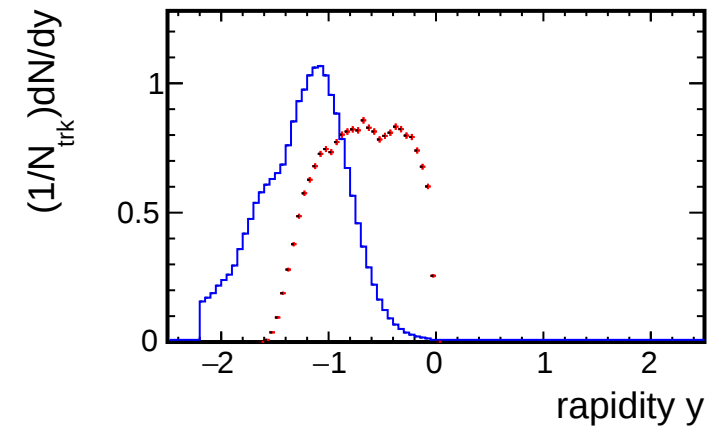
$p_T < 0.5$ (GeV/c)



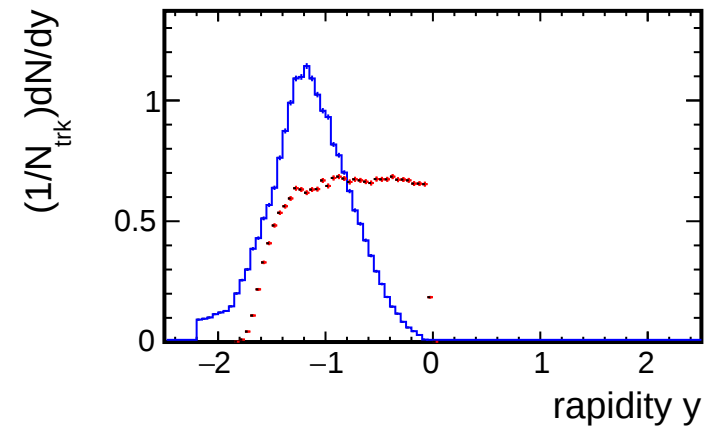
$p_T < 1.0$ (GeV/c)



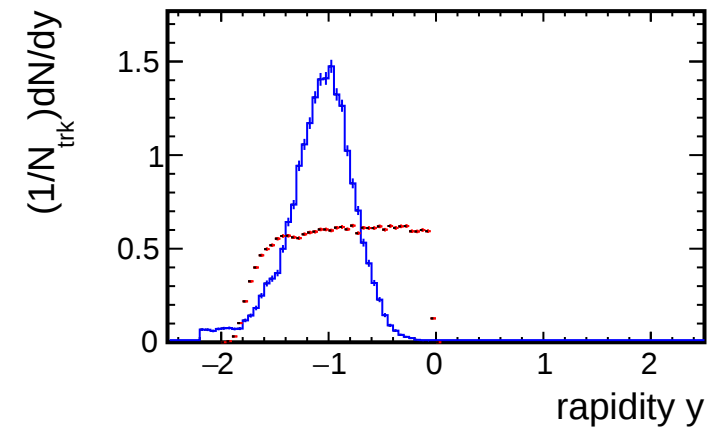
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



$p_T < 2.5$ (GeV/c)

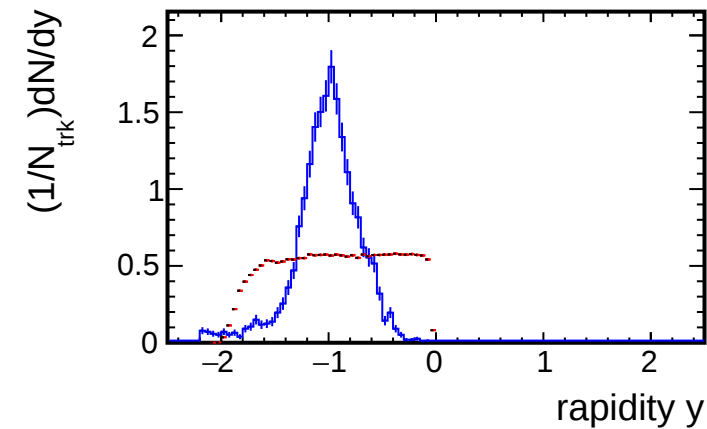


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

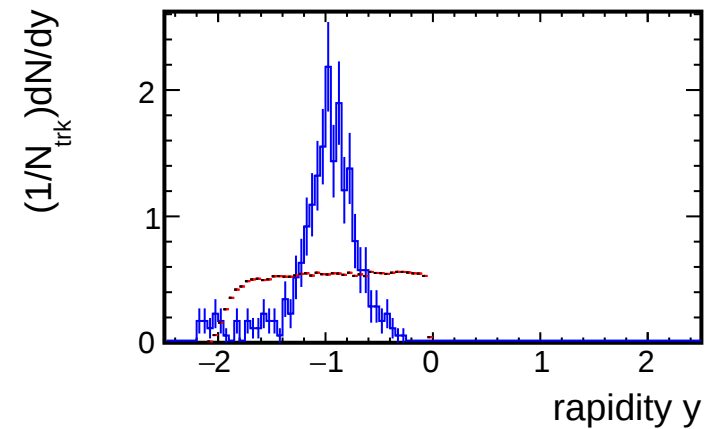
— π^+
(PRIMARY, $|\ln \sigma_{\pi^+}| < 2$ TPC)

Projection of y for each p_T bin

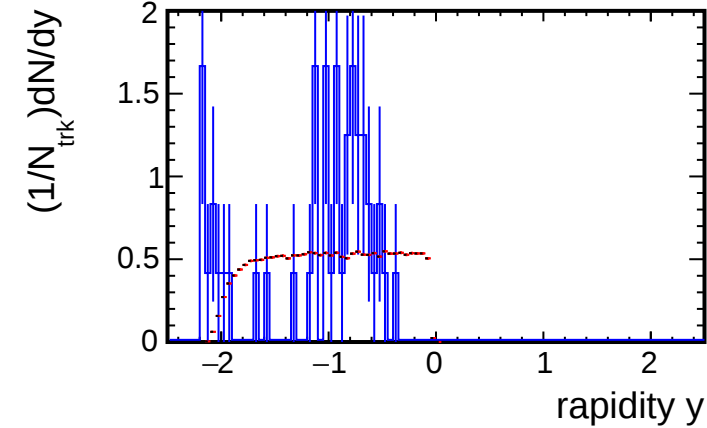
$p_T < 3.0$ (GeV/c)



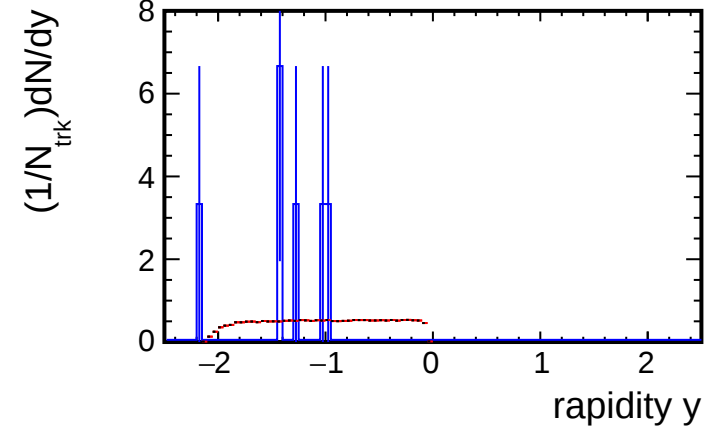
$p_T < 3.5$ (GeV/c)



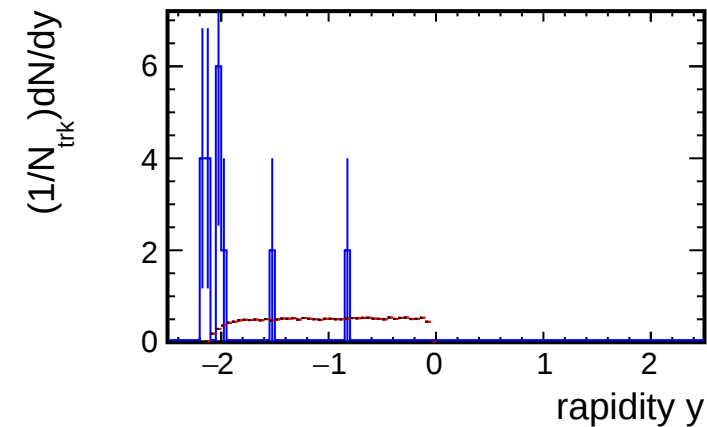
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



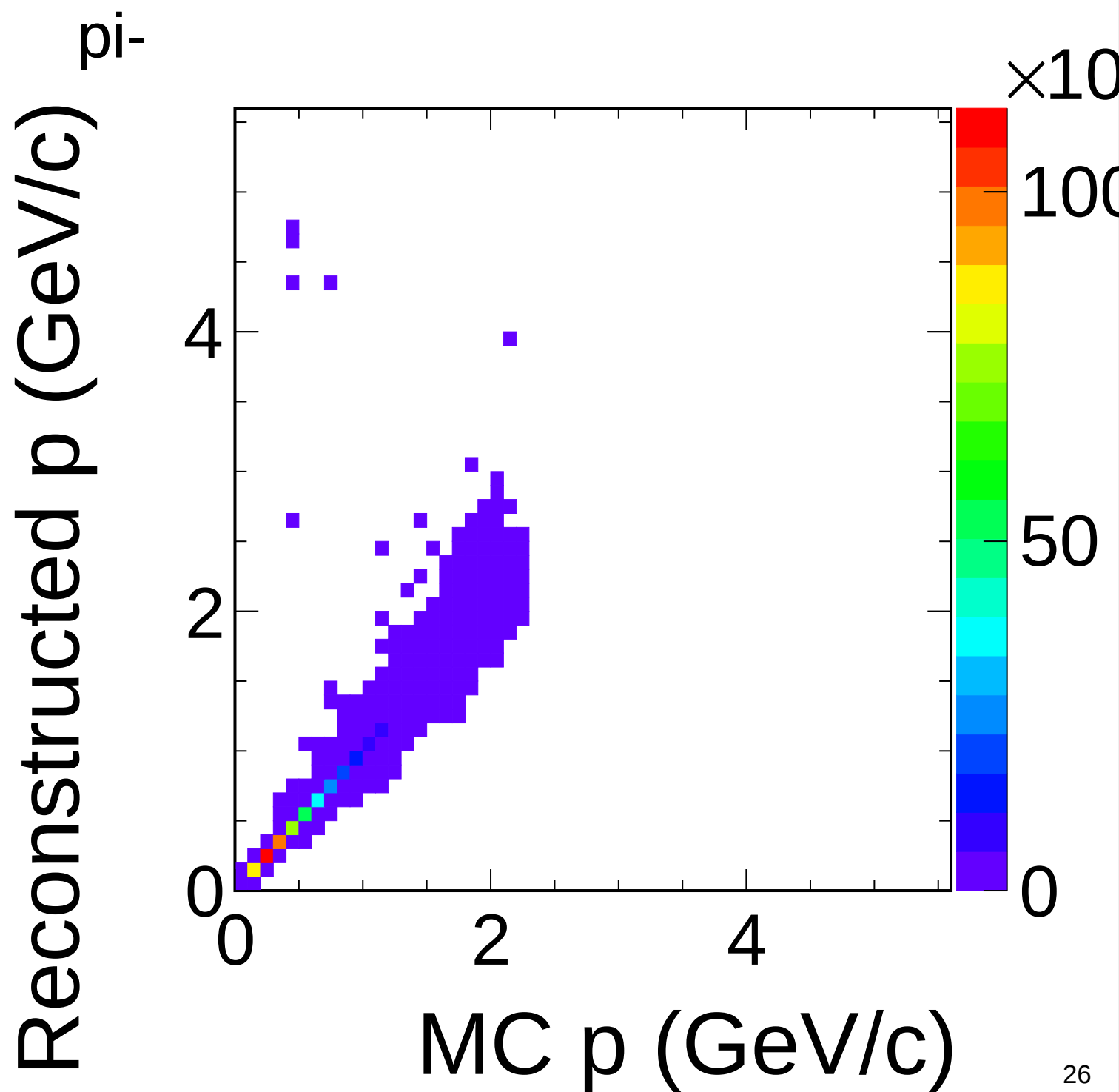
$p_T < 5.0$ (GeV/c)



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

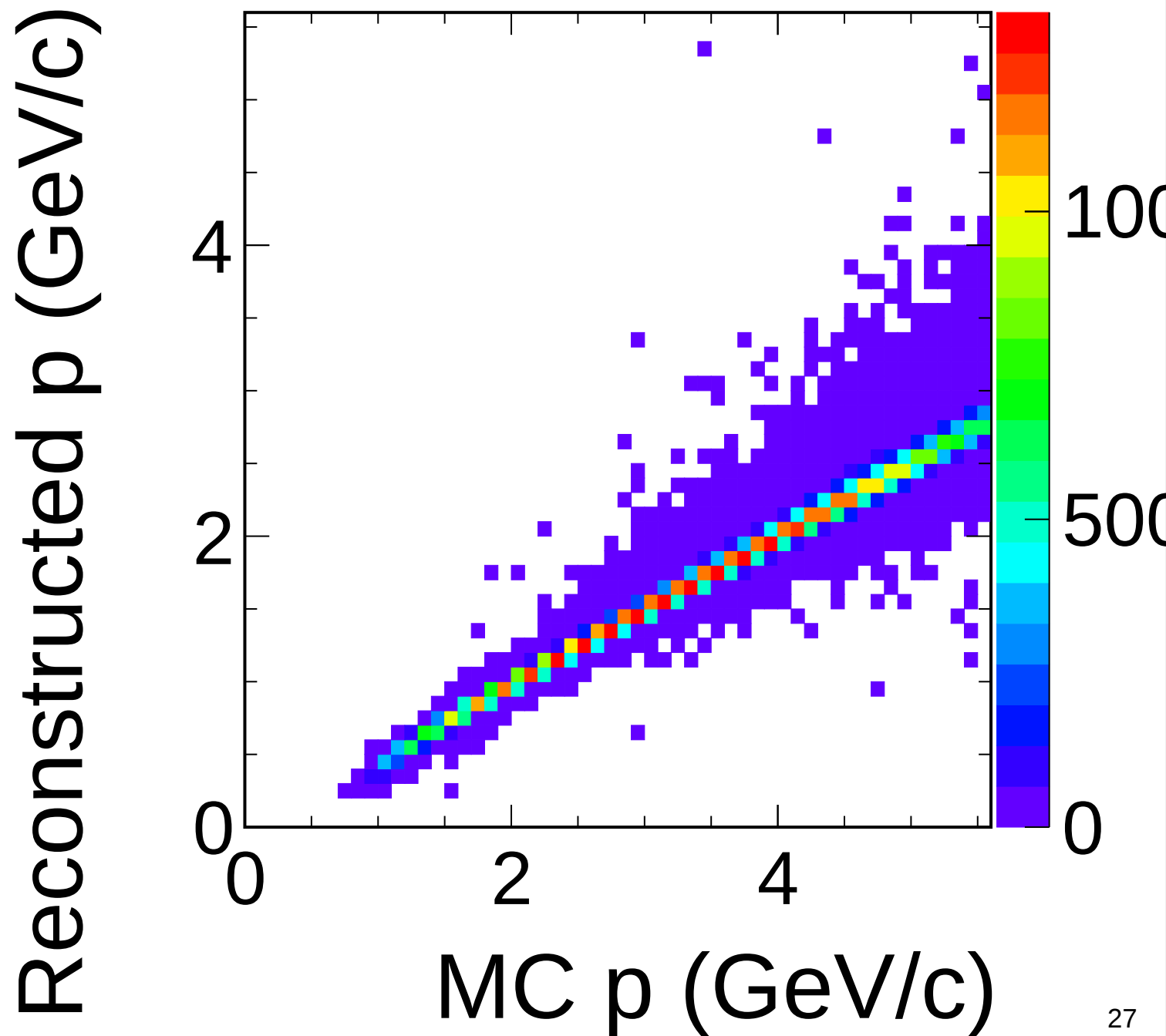
— π^+
(PRIMARY, $|\ln \sigma_{\pi^+}| < 2$ TPC)

Reconstructed momentum vs MC momentum

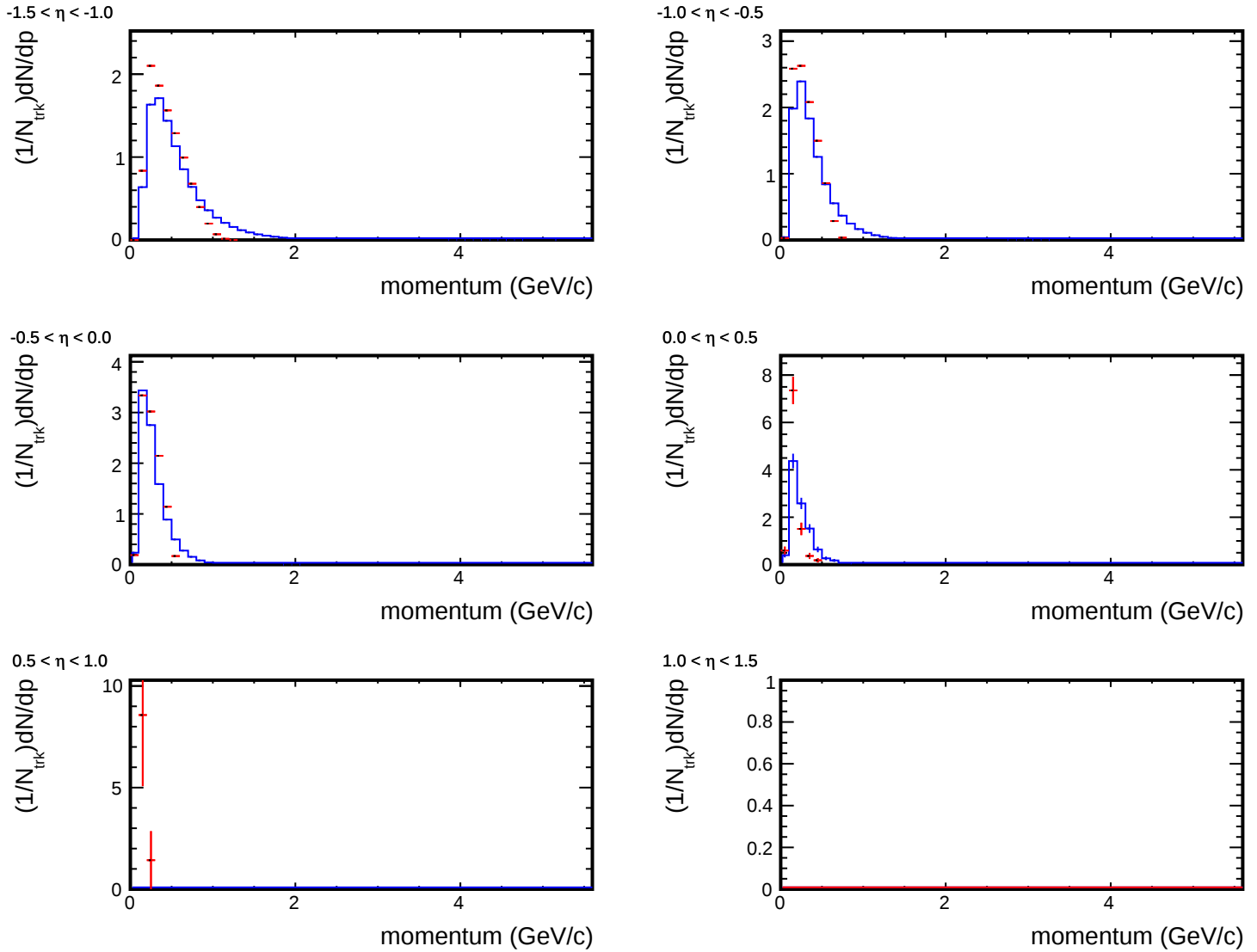


Reconstructed momentum vs MC momentum

He3



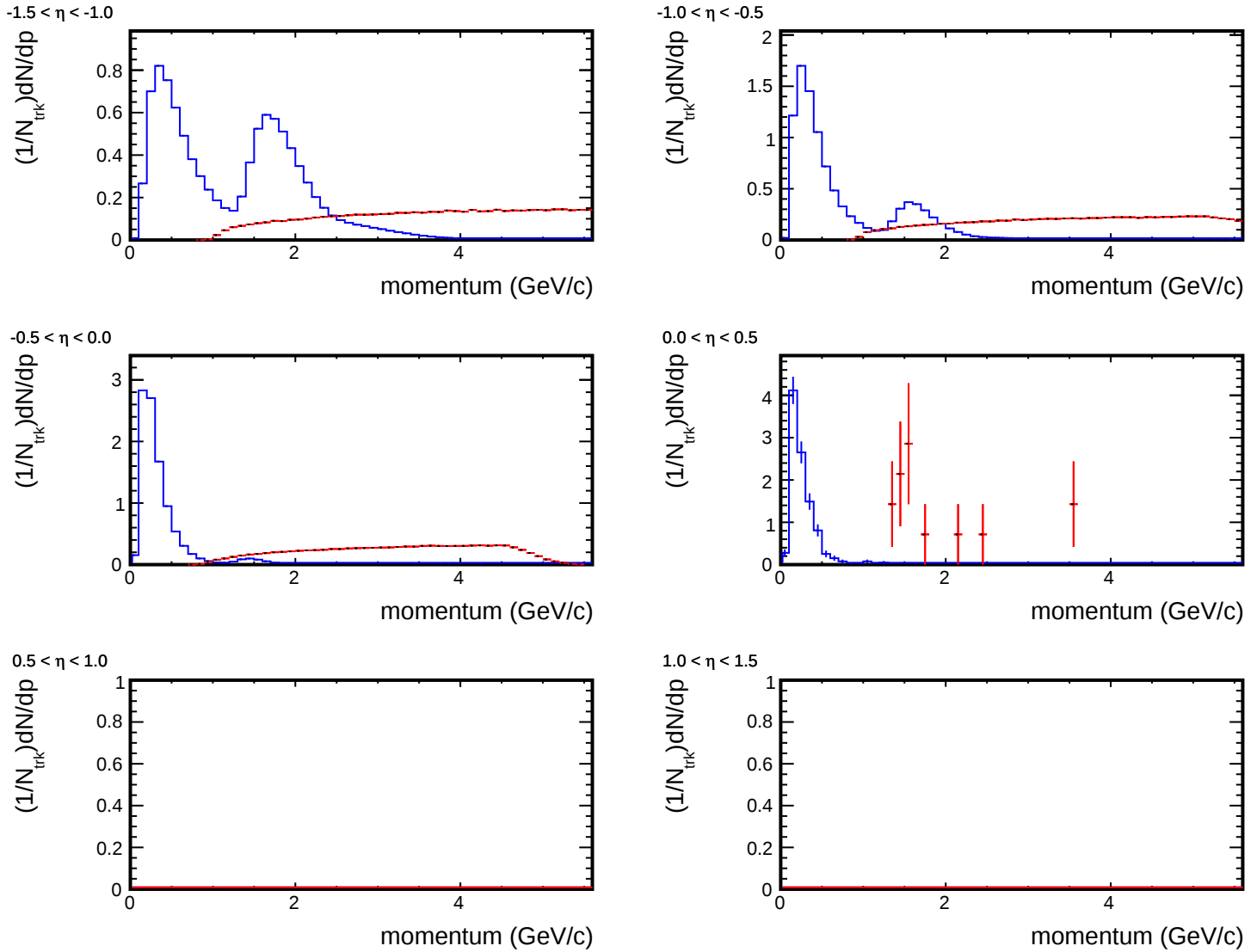
Projection of p for each η bin



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

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

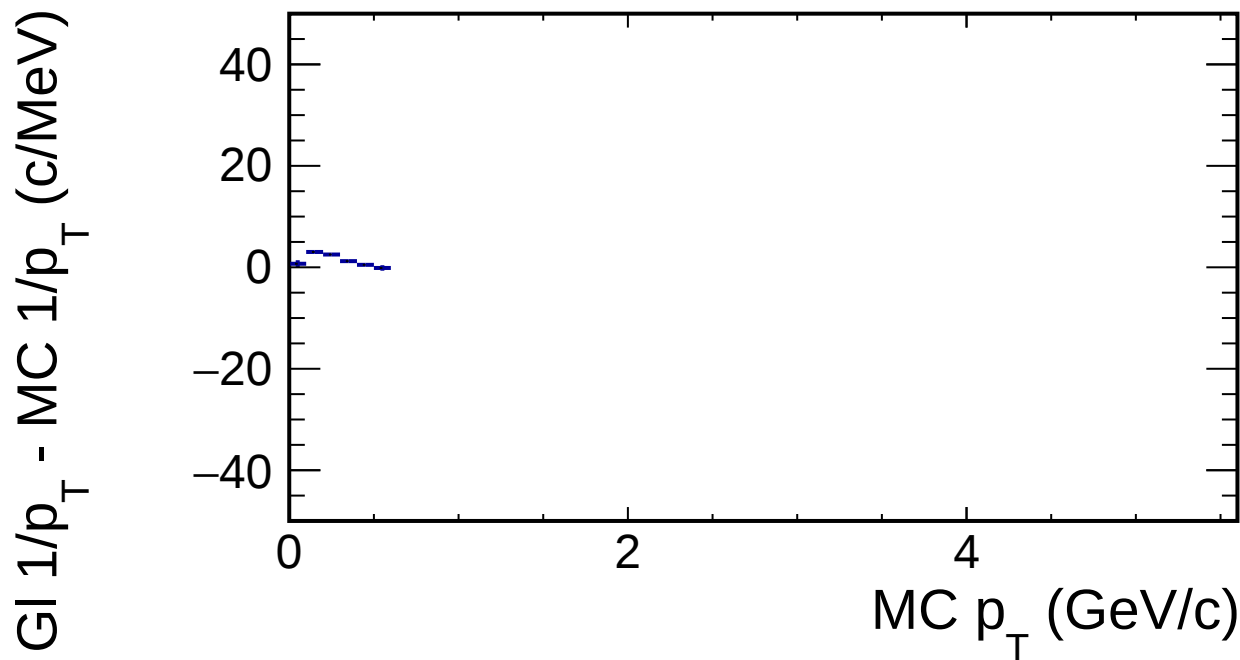
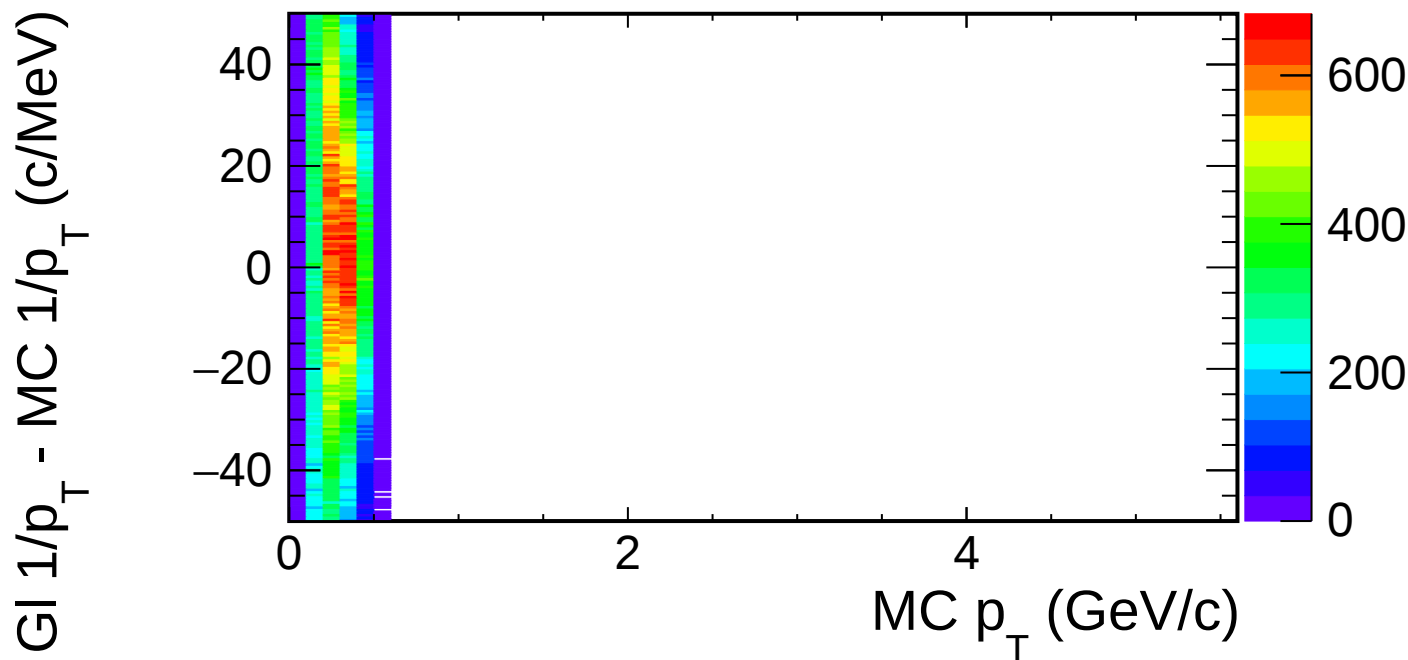
Projection of p for each η bin



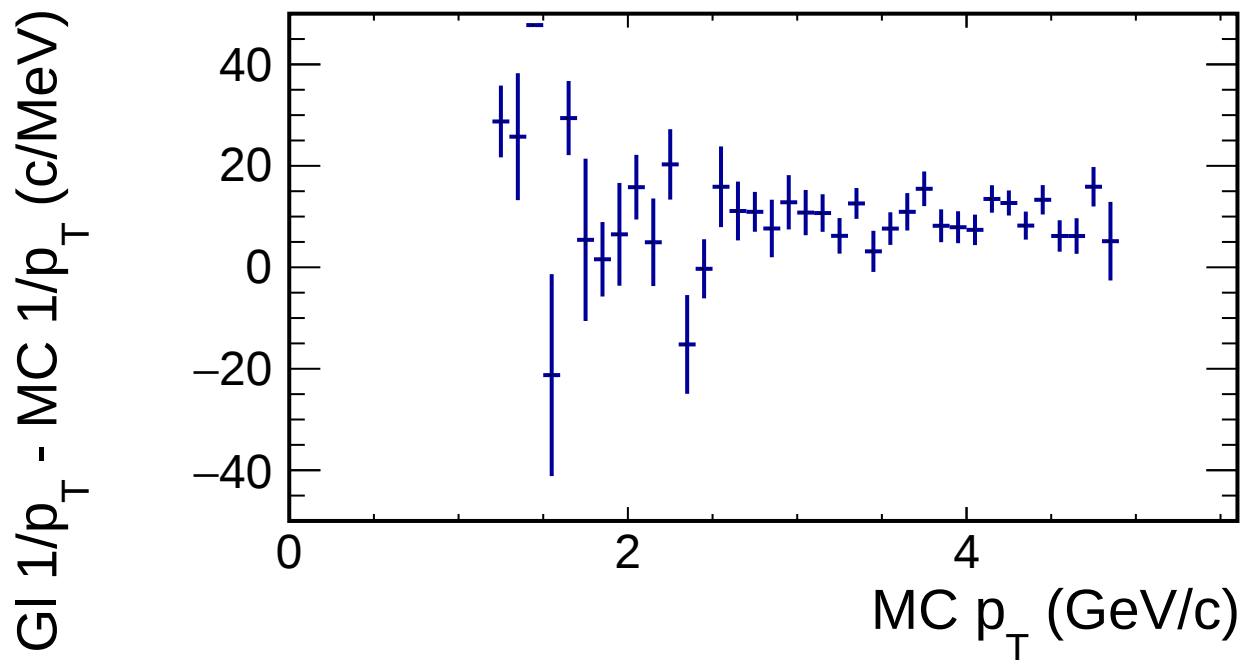
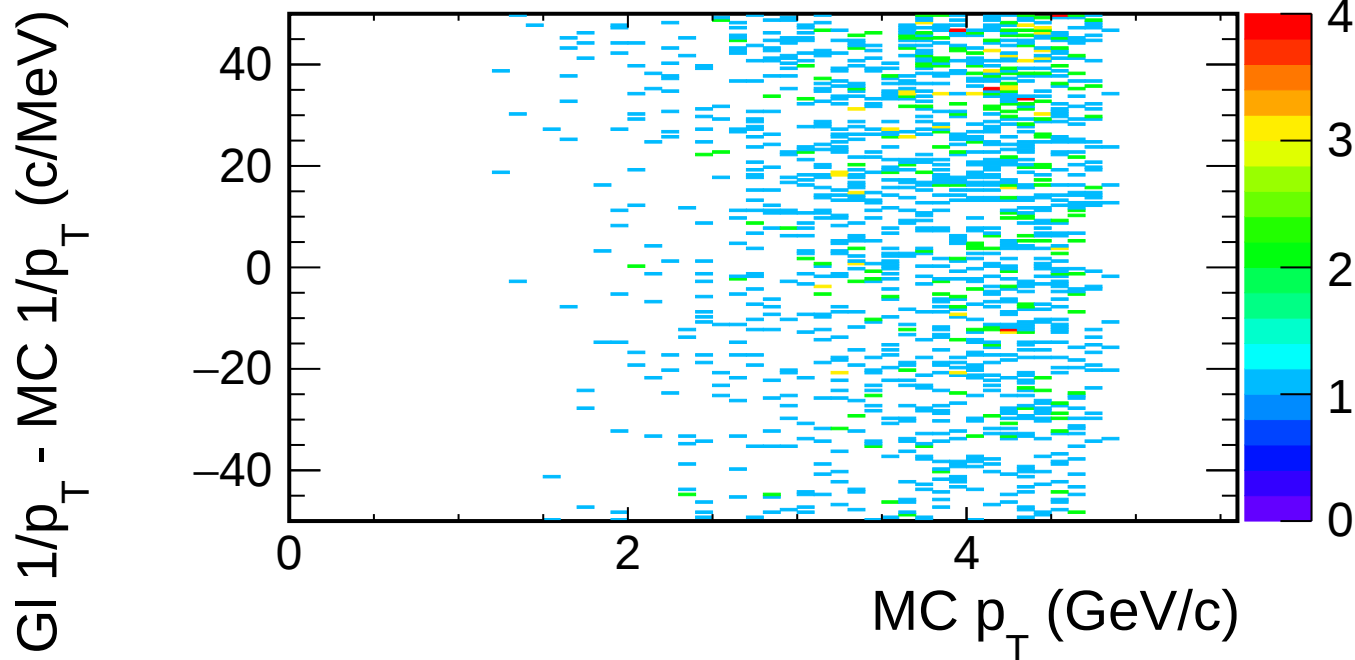
— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

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

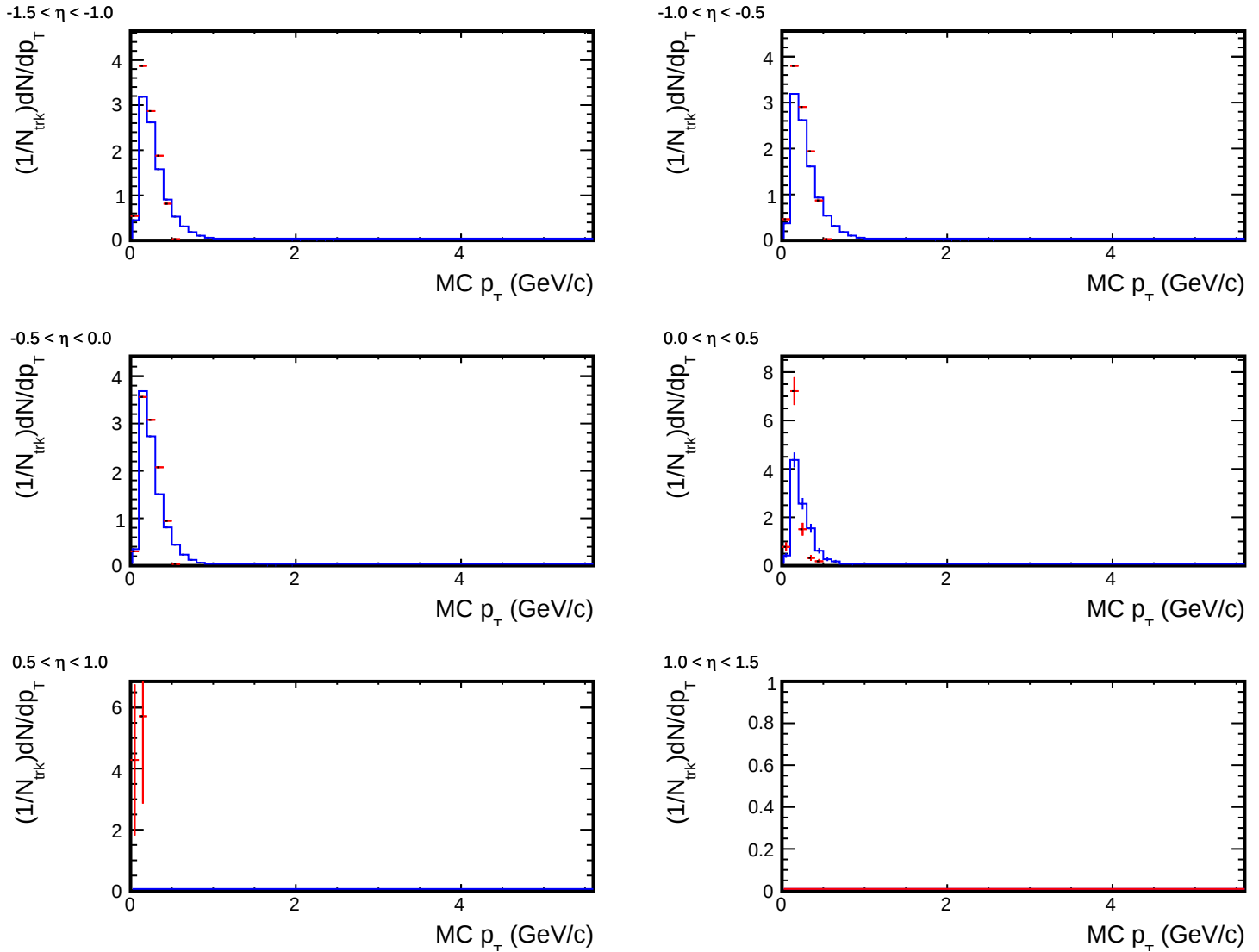
$1/p_T$ (Gl) - $1/p_T$ (MC) vs p_T (MC) (pi-)



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



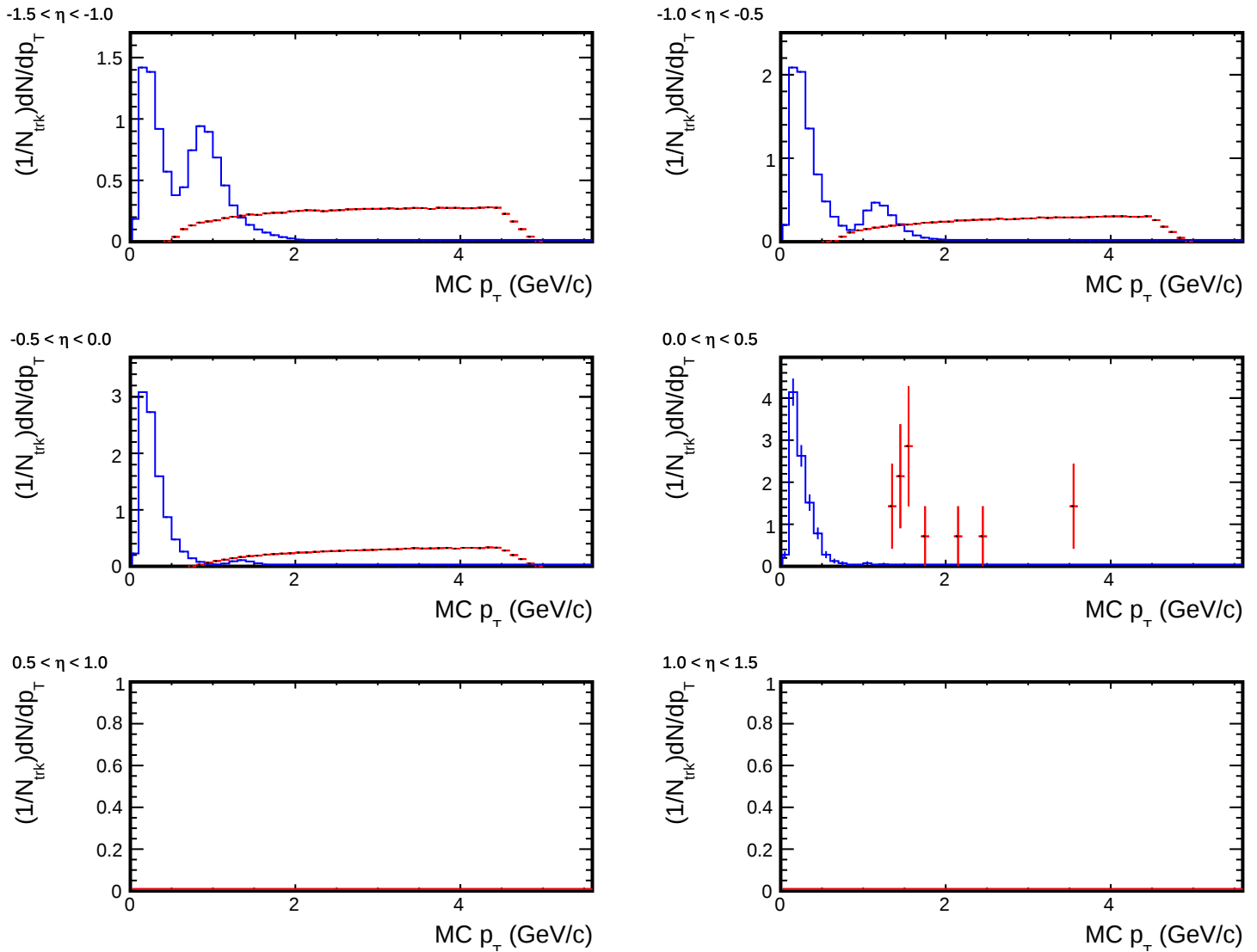
Projection of p_T for each η bin



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

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

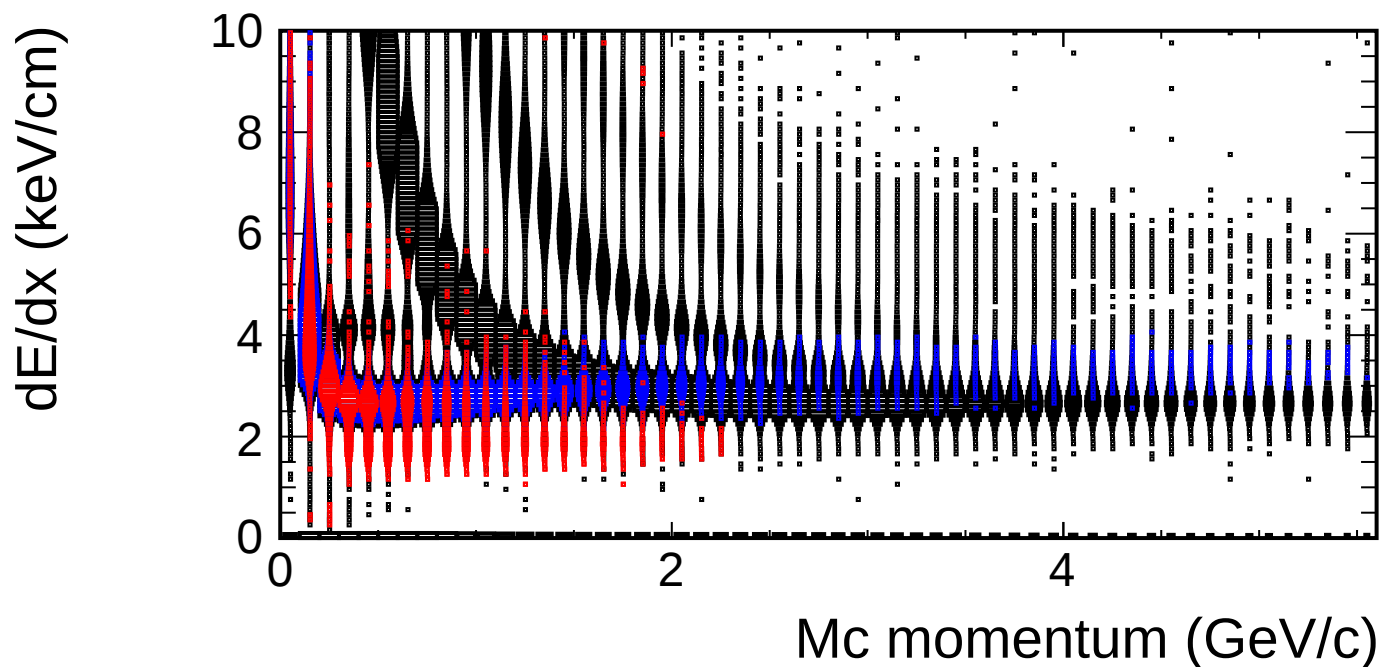
Projection of p_T for each η bin



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

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

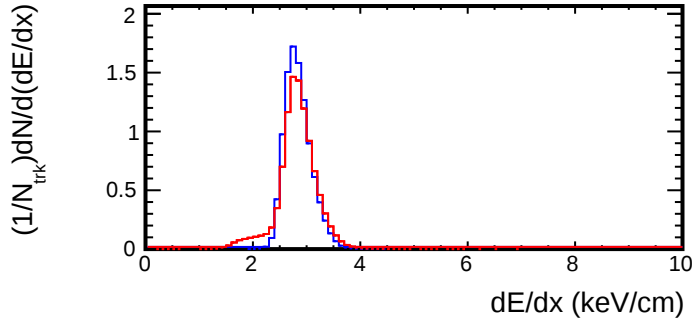
dE/dx vs momentum (Embedding:pi-, Real:pi-)



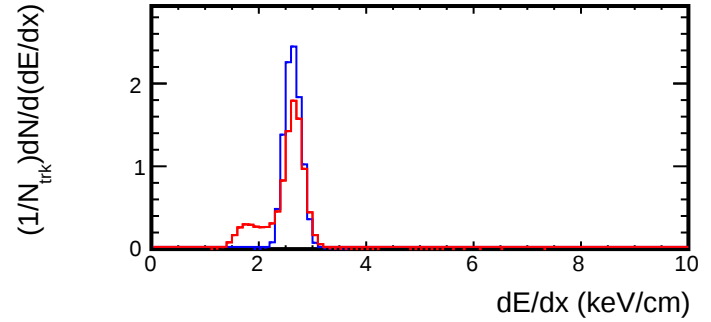
- Daughter π^- (from HyperTriton) (CONTAM, geantid=9)
- Real data
- Real data with PID cut ($\sigma < 2$) TPC

Projection of dE/dx for each p bin

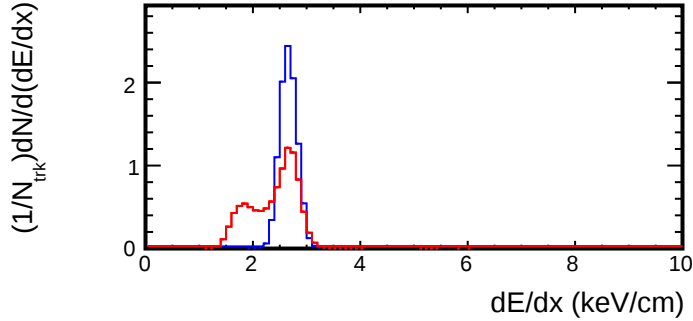
< Mc p < 0.4 GeV/c



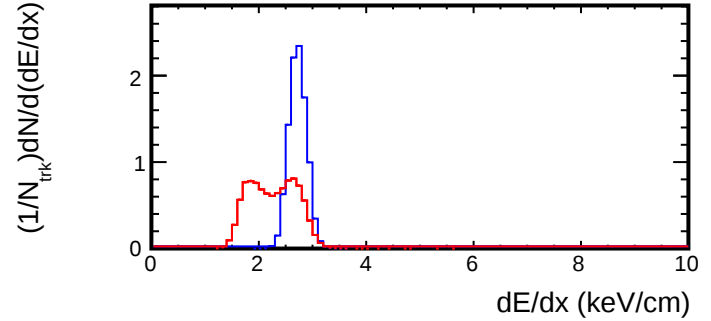
< Mc p < 0.6 GeV/c



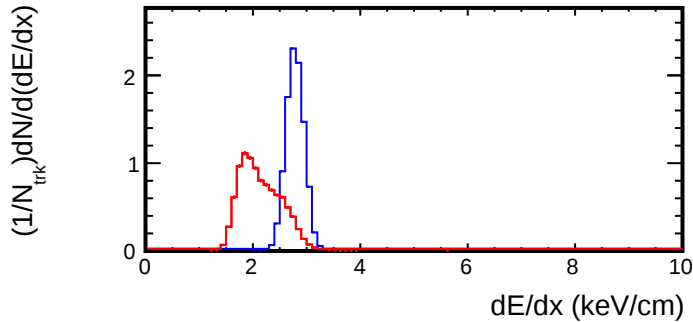
< Mc p < 0.8 GeV/c



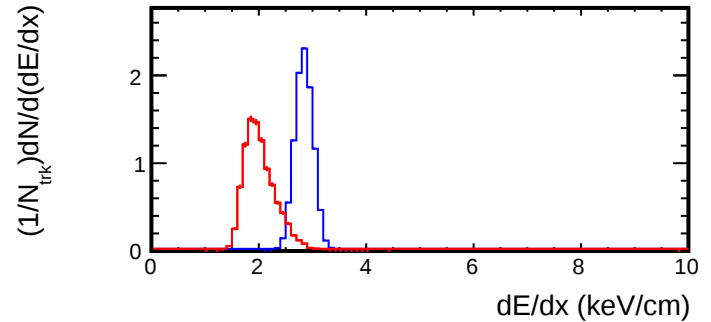
< Mc p < 1.0 GeV/c



< Mc p < 1.2 GeV/c



< Mc p < 1.4 GeV/c

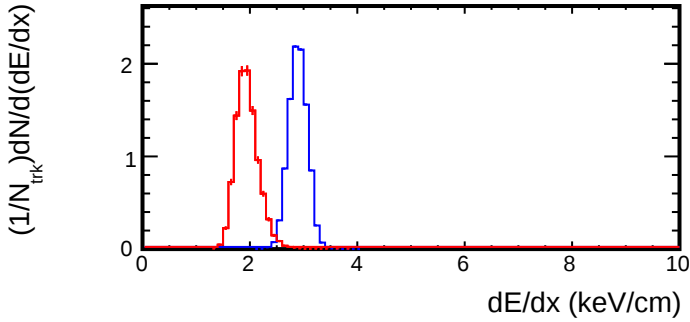


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

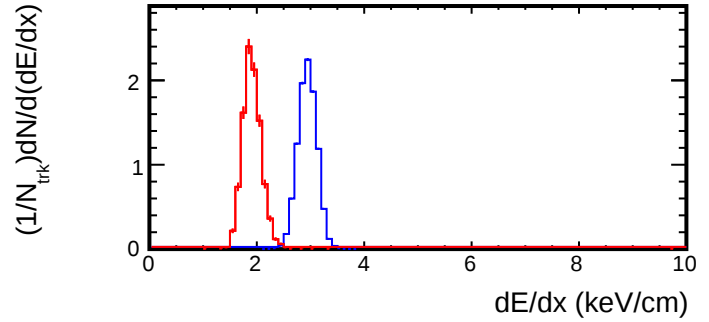
— pi-
(PRIMARY, $|n \sigma_{\pi^-}| < 2$ TPC)

Projection of dE/dx for each p bin

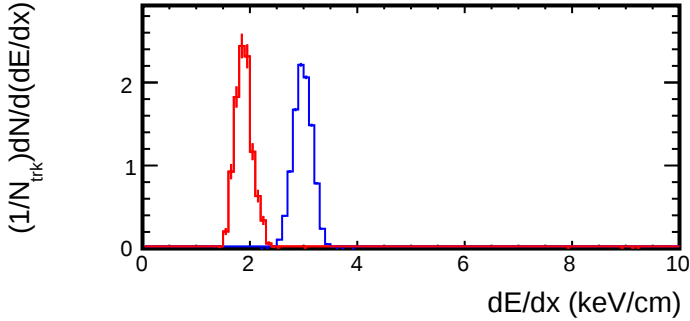
< Mc p < 1.6 GeV/c



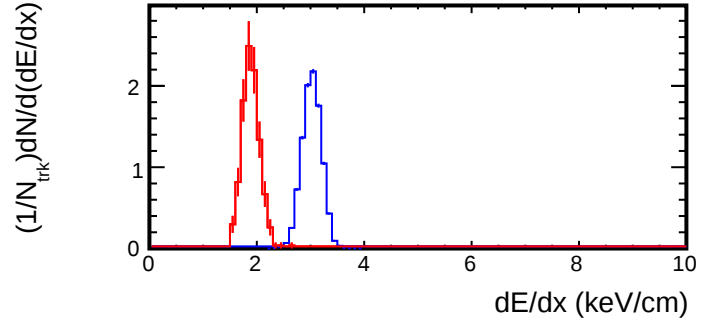
< Mc p < 1.8 GeV/c



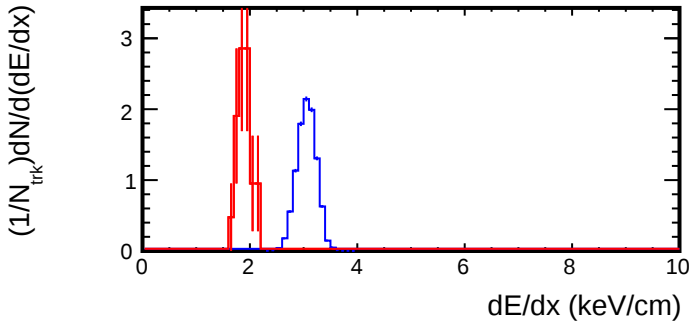
< Mc p < 2.0 GeV/c



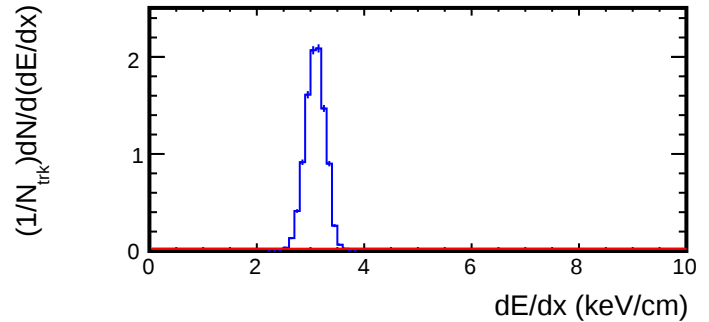
< Mc p < 2.2 GeV/c



< Mc p < 2.4 GeV/c



< Mc p < 2.6 GeV/c

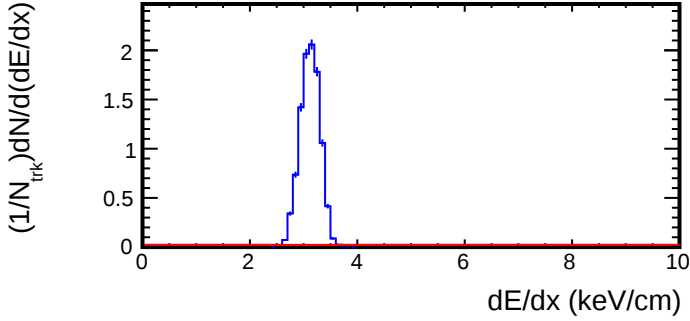


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

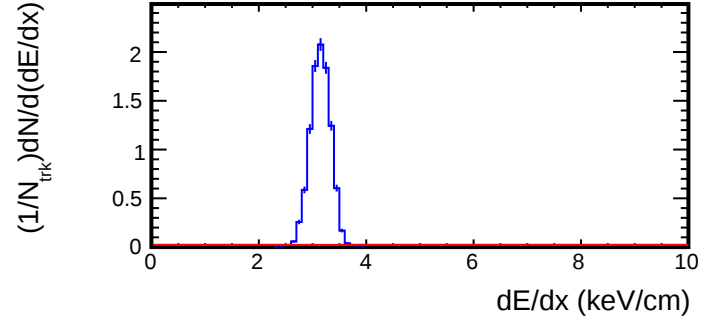
— pi-
(PRIMARY, $|n \sigma_{\pi^-}| < 2$ TPC)

Projection of dE/dx for each p bin

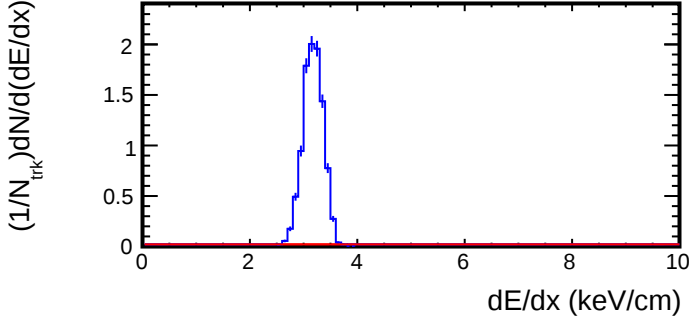
< Mc p < 2.8 GeV/c



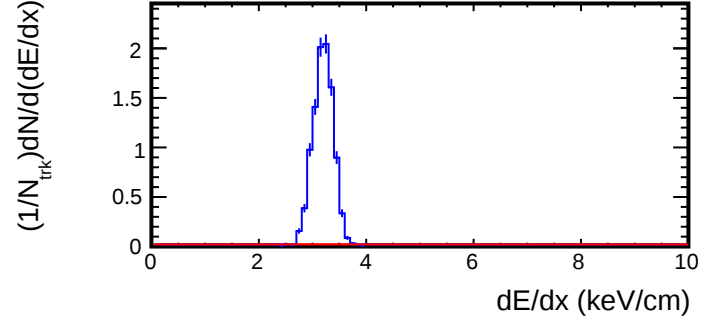
< Mc p < 3.0 GeV/c



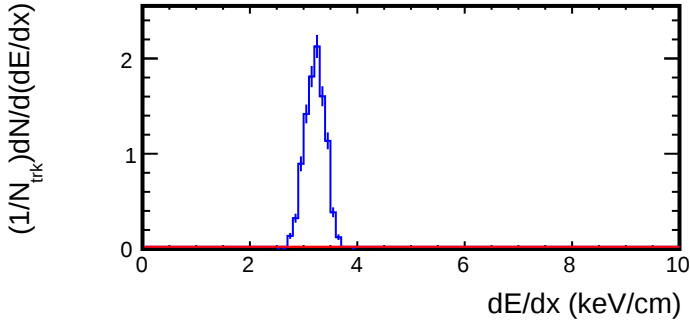
< Mc p < 3.2 GeV/c



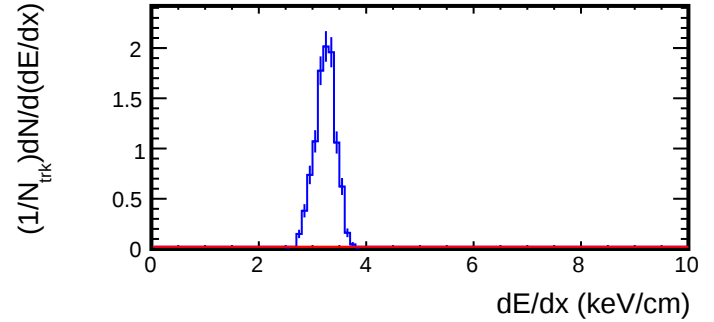
< Mc p < 3.4 GeV/c



< Mc p < 3.6 GeV/c



< Mc p < 3.8 GeV/c

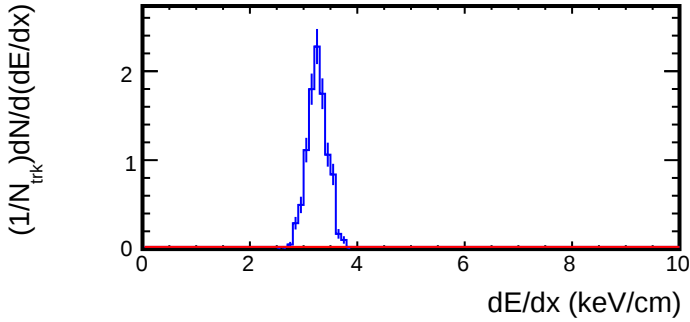


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

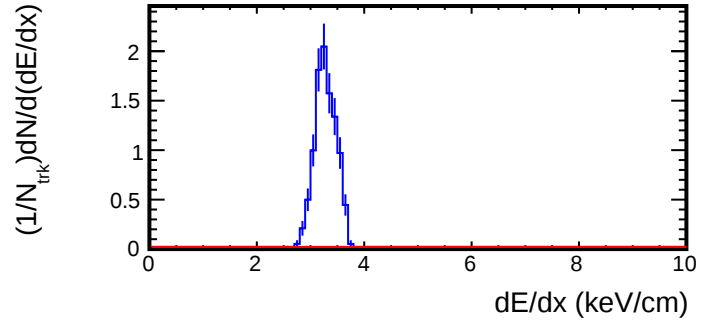
— pi-
(PRIMARY, $|n\sigma_{\text{pi-}}| < 2$ TPC)

Projection of dE/dx for each p bin

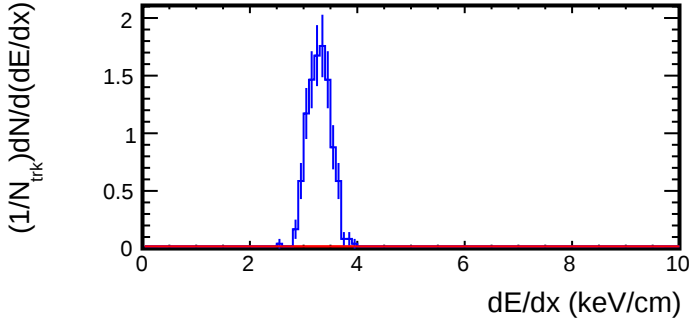
< Mc p < 4.0 GeV/c



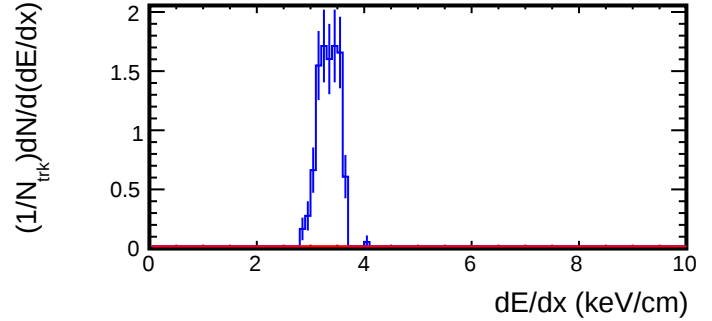
< Mc p < 4.2 GeV/c



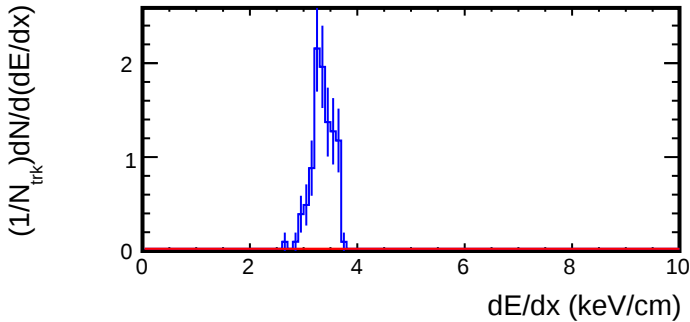
< Mc p < 4.4 GeV/c



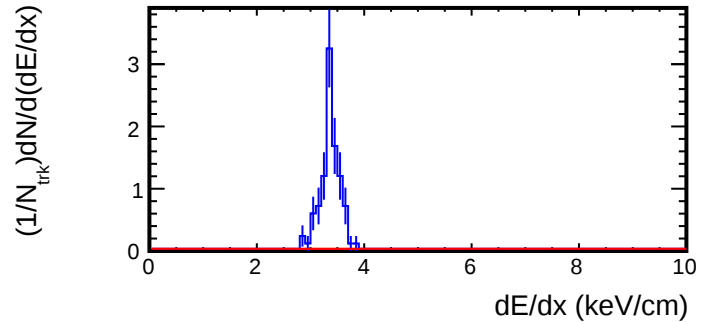
< Mc p < 4.6 GeV/c



< Mc p < 4.8 GeV/c



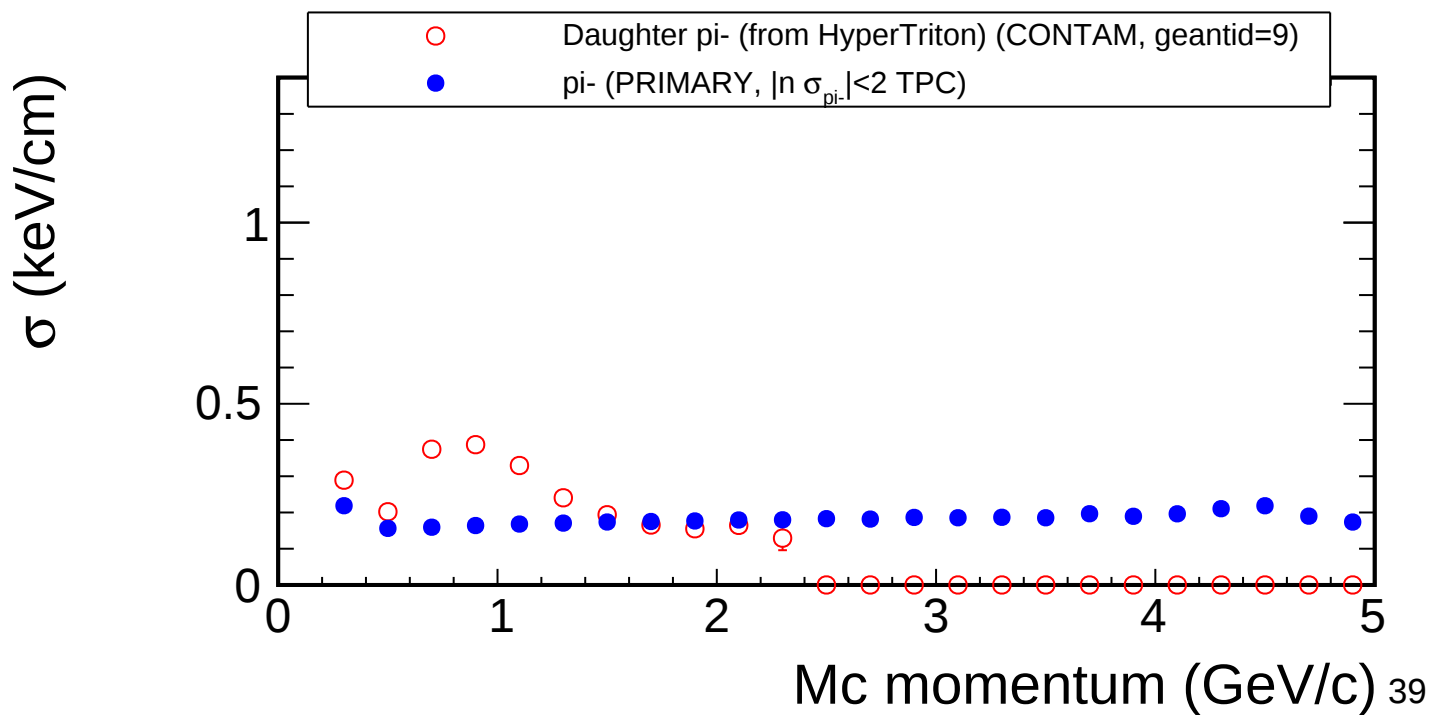
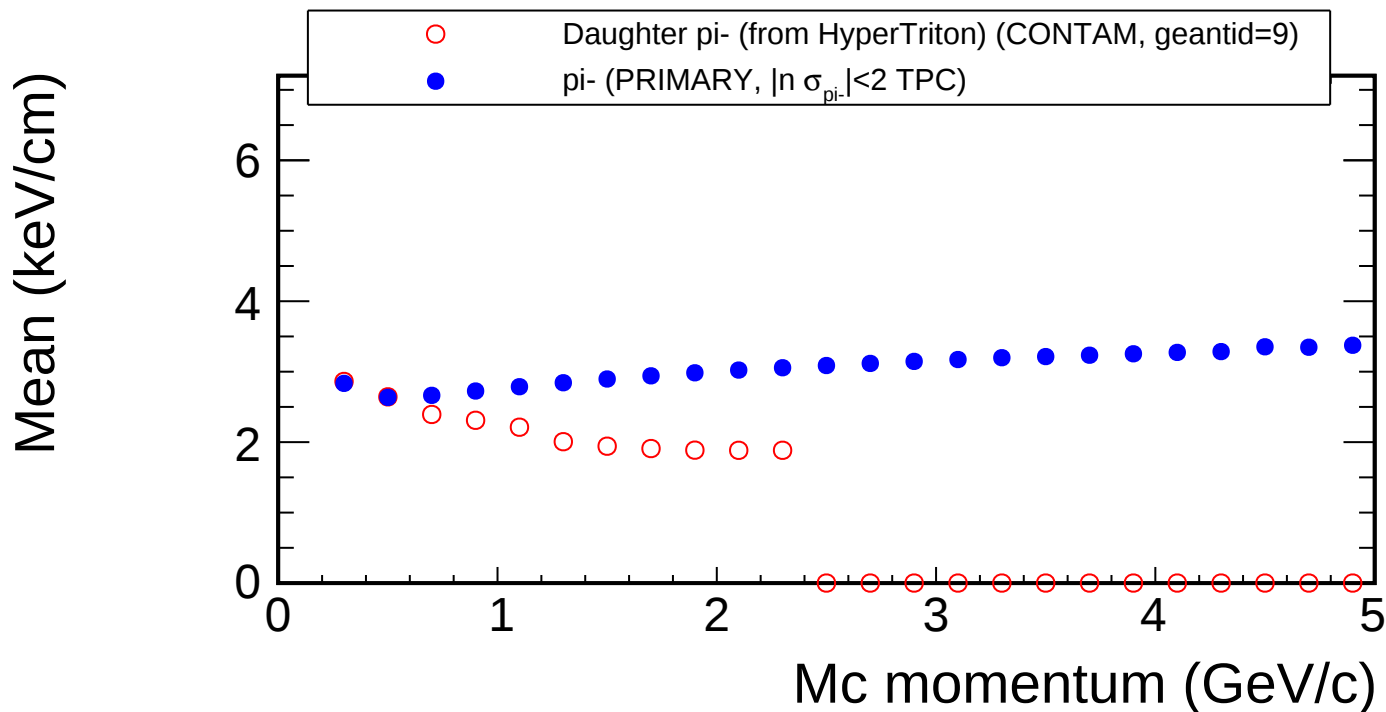
< Mc p < 5.0 GeV/c



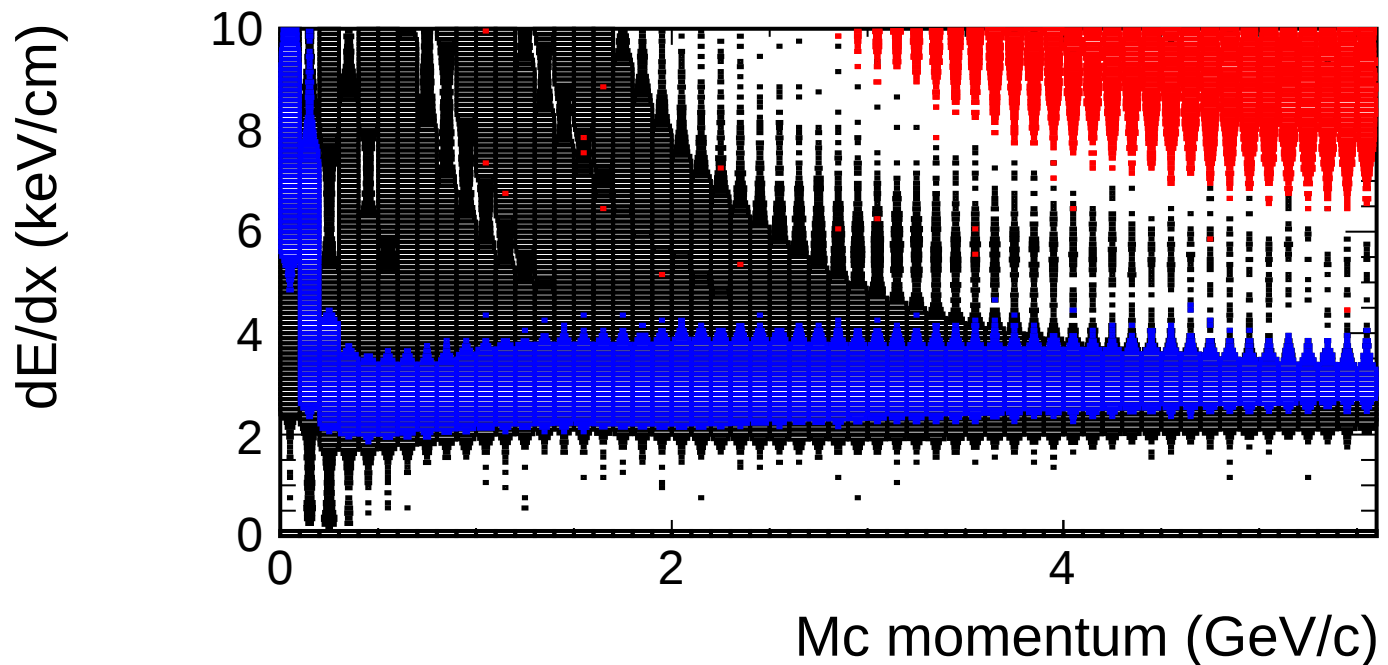
— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

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

Mean/ σ of dE/dx vs momentum



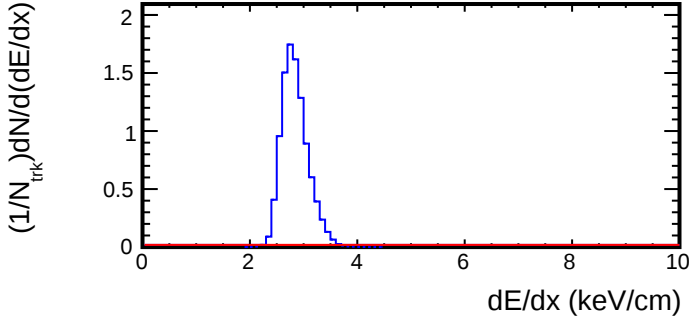
dE/dx vs momentum (Embedding:He3, Real:He3)



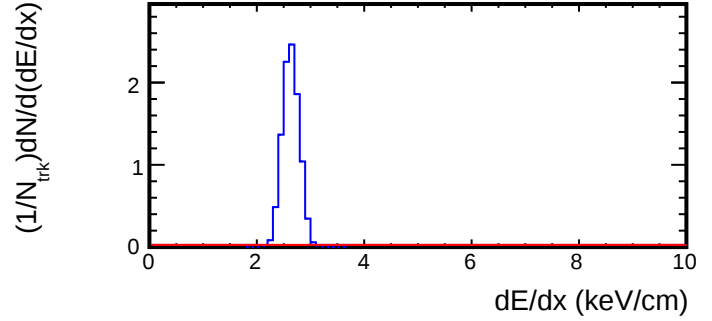
- Daughter He3 (from HyperTriton) (CONTAM, geantid=49)
- Real data
- Real data with PID cut ($\sigma < 2$) TPC

Projection of dE/dx for each p bin

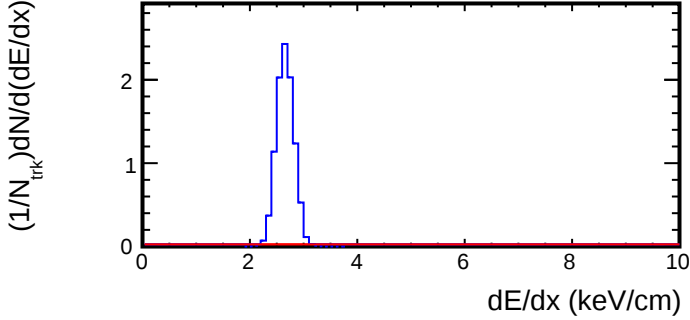
< Mc p < 0.4 GeV/c



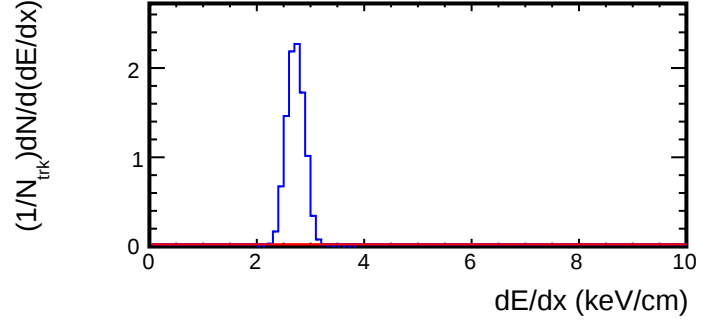
< Mc p < 0.6 GeV/c



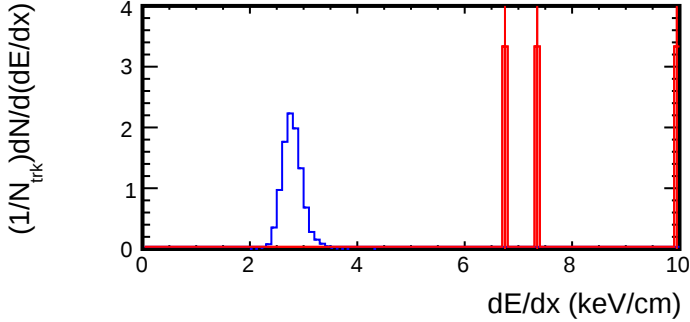
< Mc p < 0.8 GeV/c



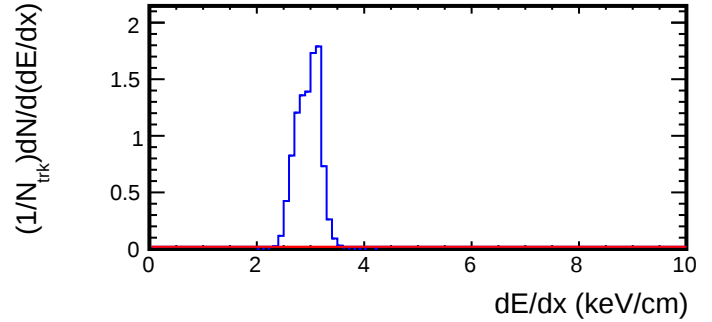
< Mc p < 1.0 GeV/c



< Mc p < 1.2 GeV/c



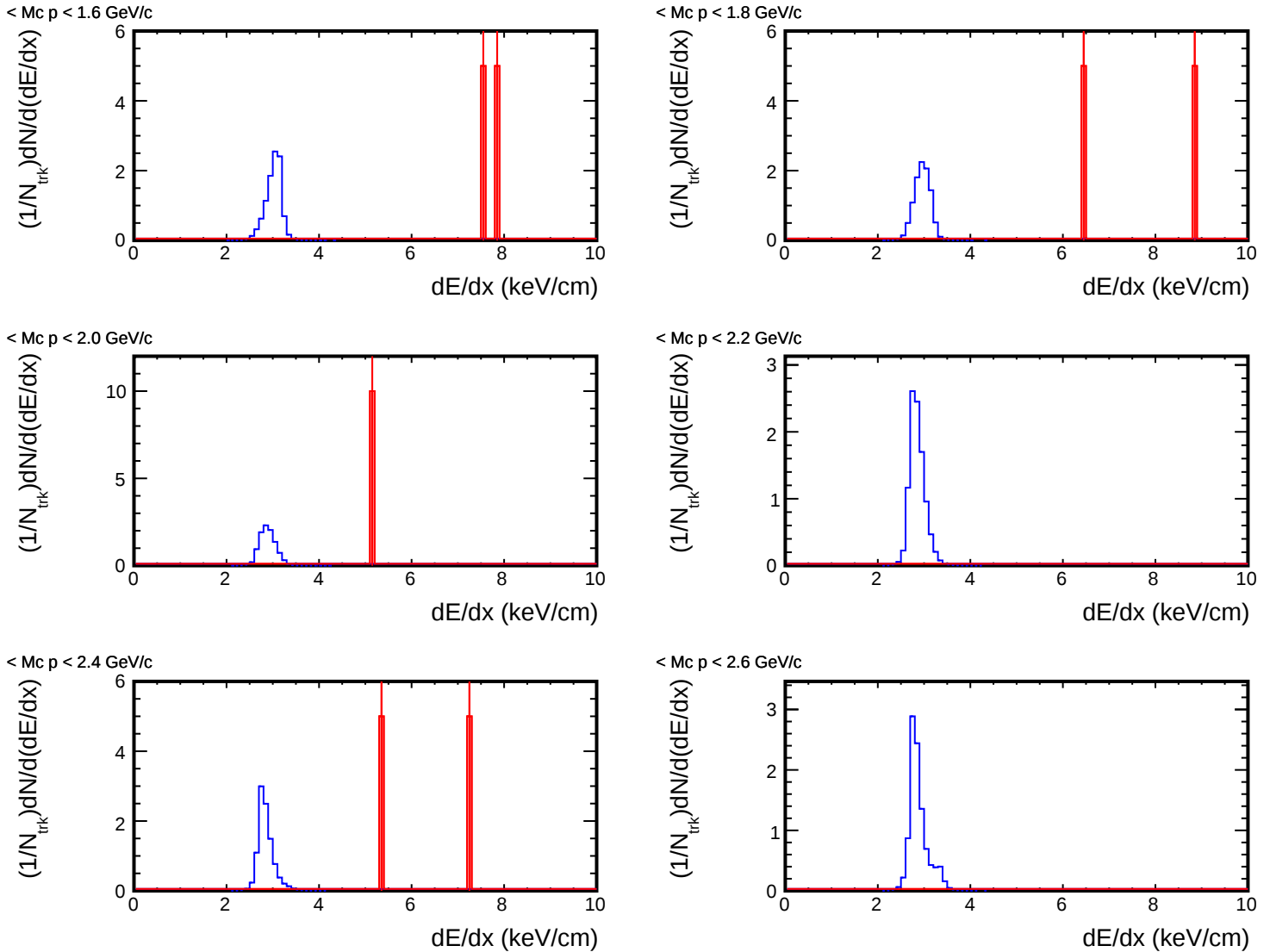
< Mc p < 1.4 GeV/c



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

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

Projection of dE/dx for each p bin

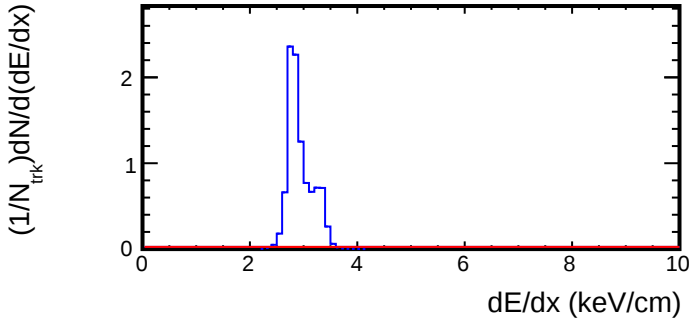


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

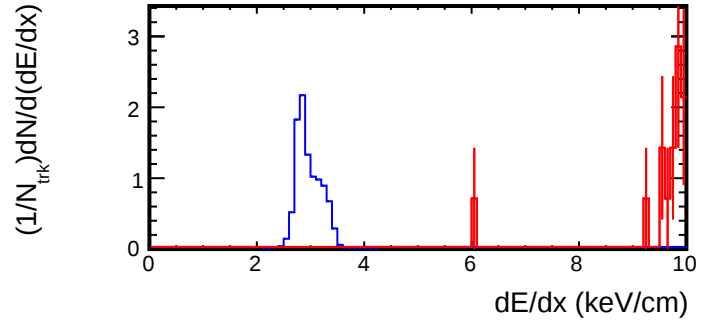
— pi+
(PRIMARY, $|n \sigma_{\text{pi}+}| < 2$ TPC)

Projection of dE/dx for each p bin

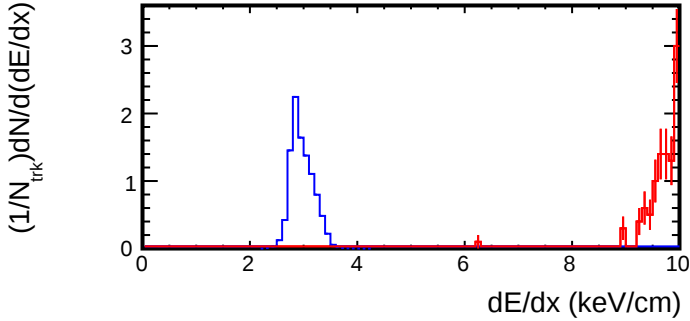
< Mc p < 2.8 GeV/c



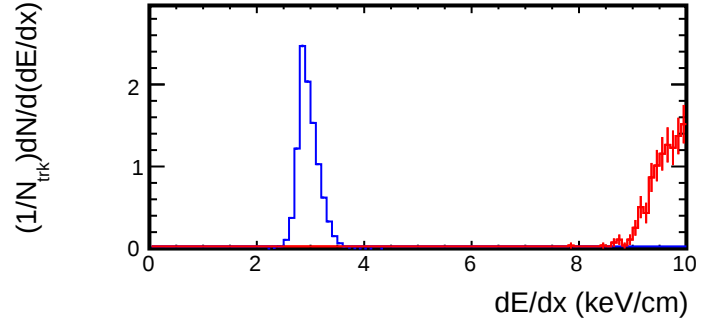
< Mc p < 3.0 GeV/c



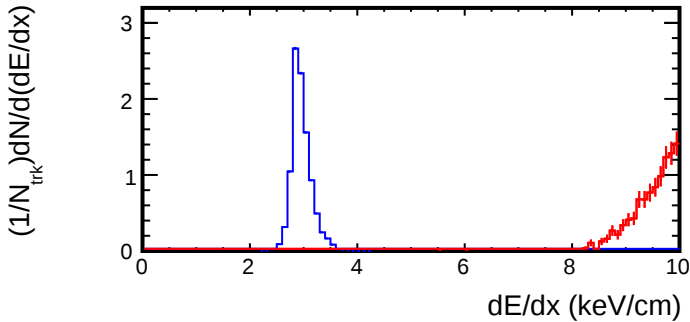
< Mc p < 3.2 GeV/c



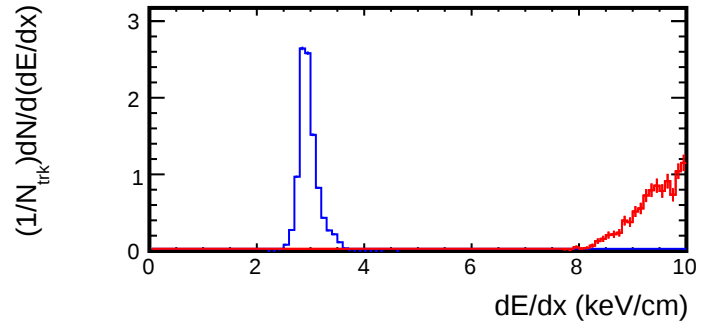
< Mc p < 3.4 GeV/c



< Mc p < 3.6 GeV/c



< Mc p < 3.8 GeV/c

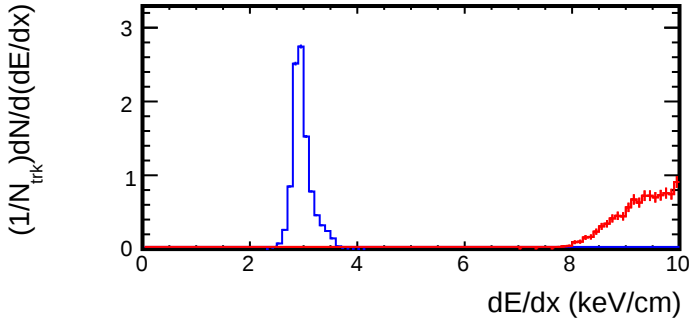


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

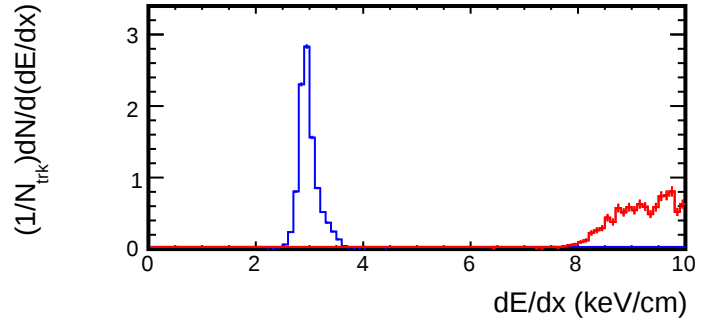
— pi+
(PRIMARY, $|n \sigma_{\text{pi}+}| < 2$ TPC)

Projection of dE/dx for each p bin

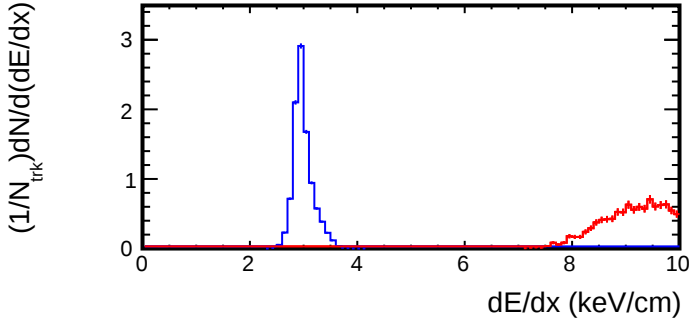
< Mc p < 4.0 GeV/c



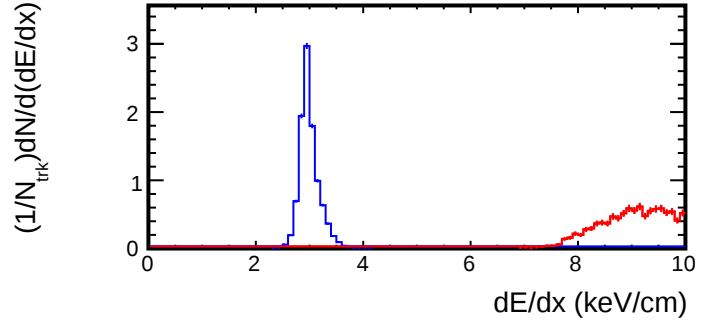
< Mc p < 4.2 GeV/c



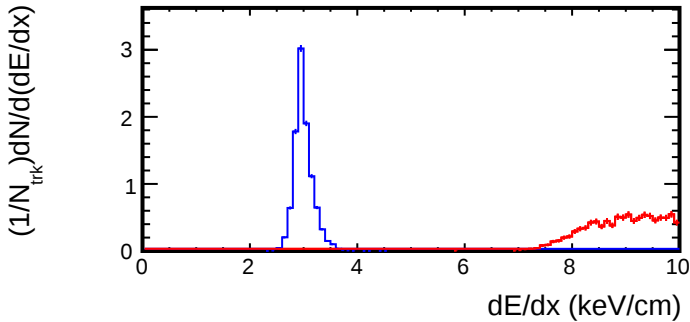
< Mc p < 4.4 GeV/c



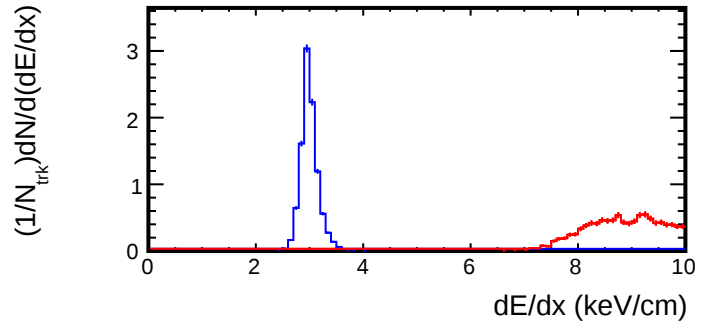
< Mc p < 4.6 GeV/c



< Mc p < 4.8 GeV/c



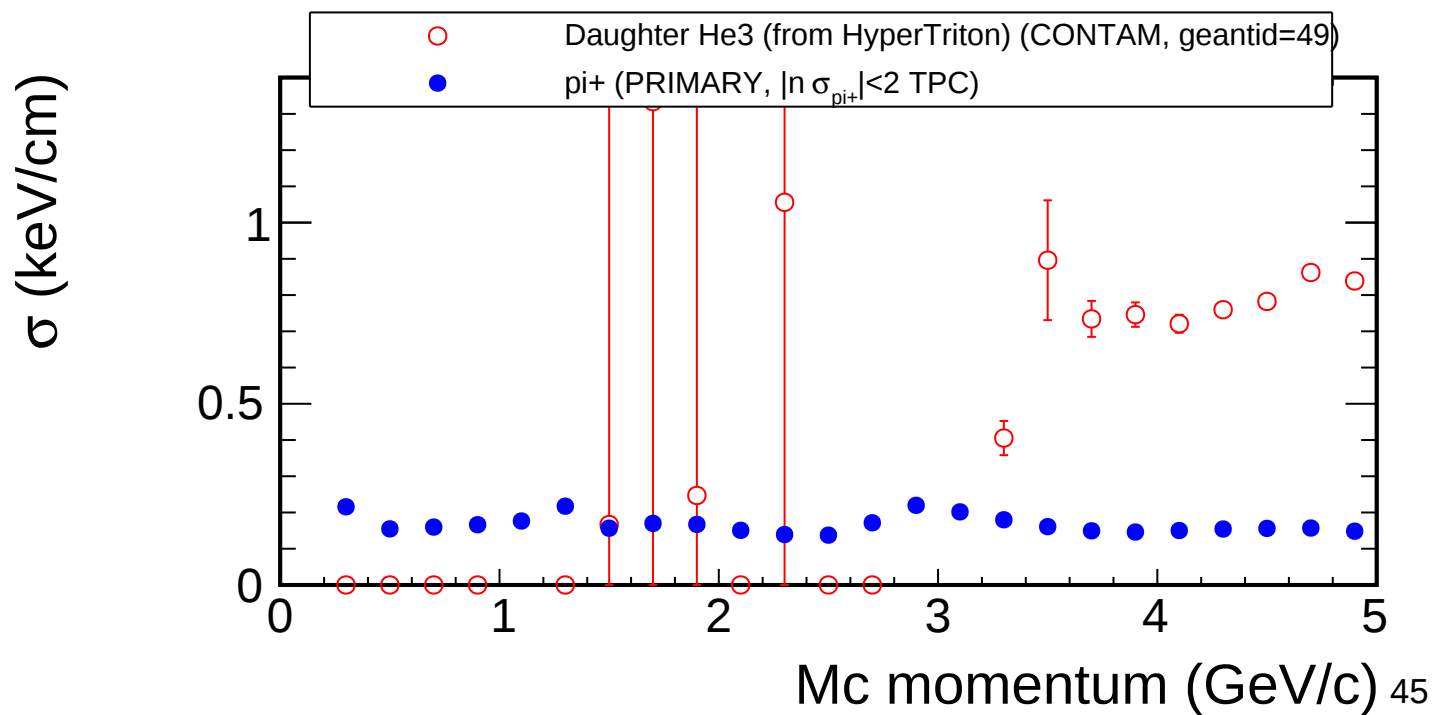
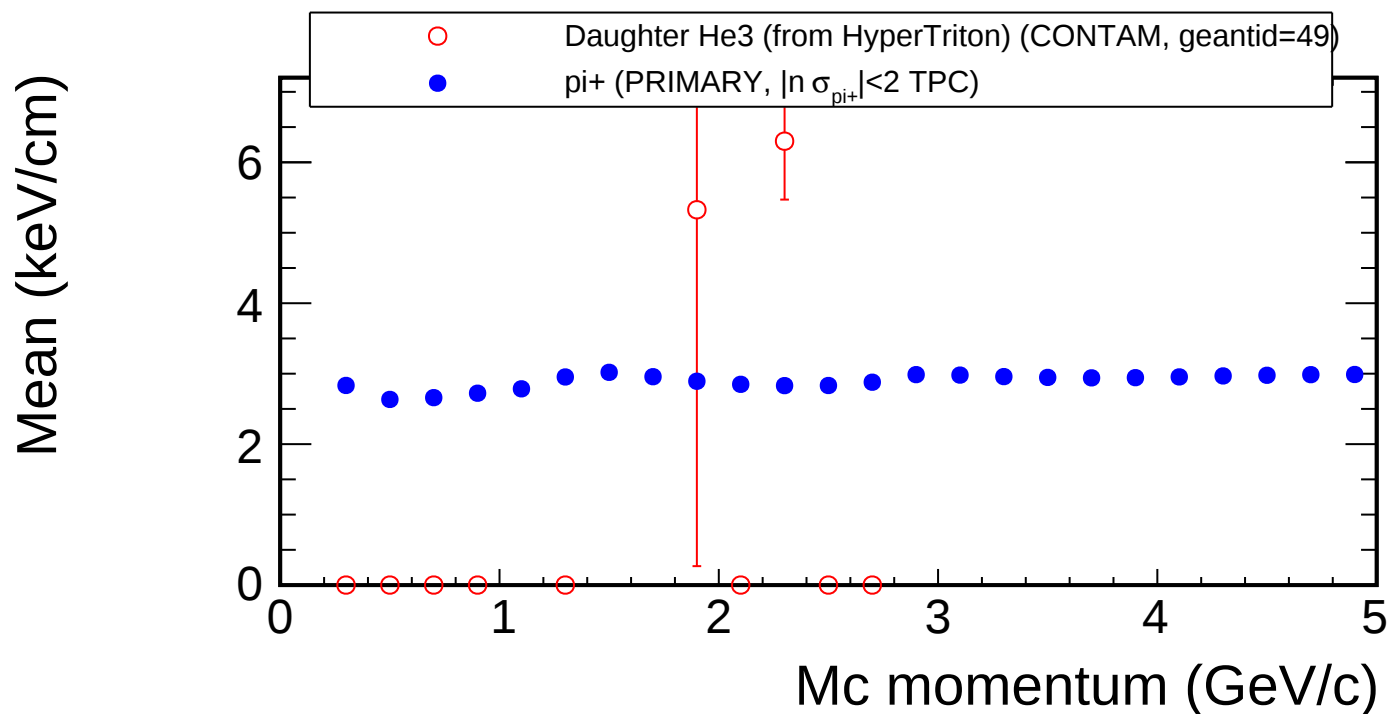
< Mc p < 5.0 GeV/c



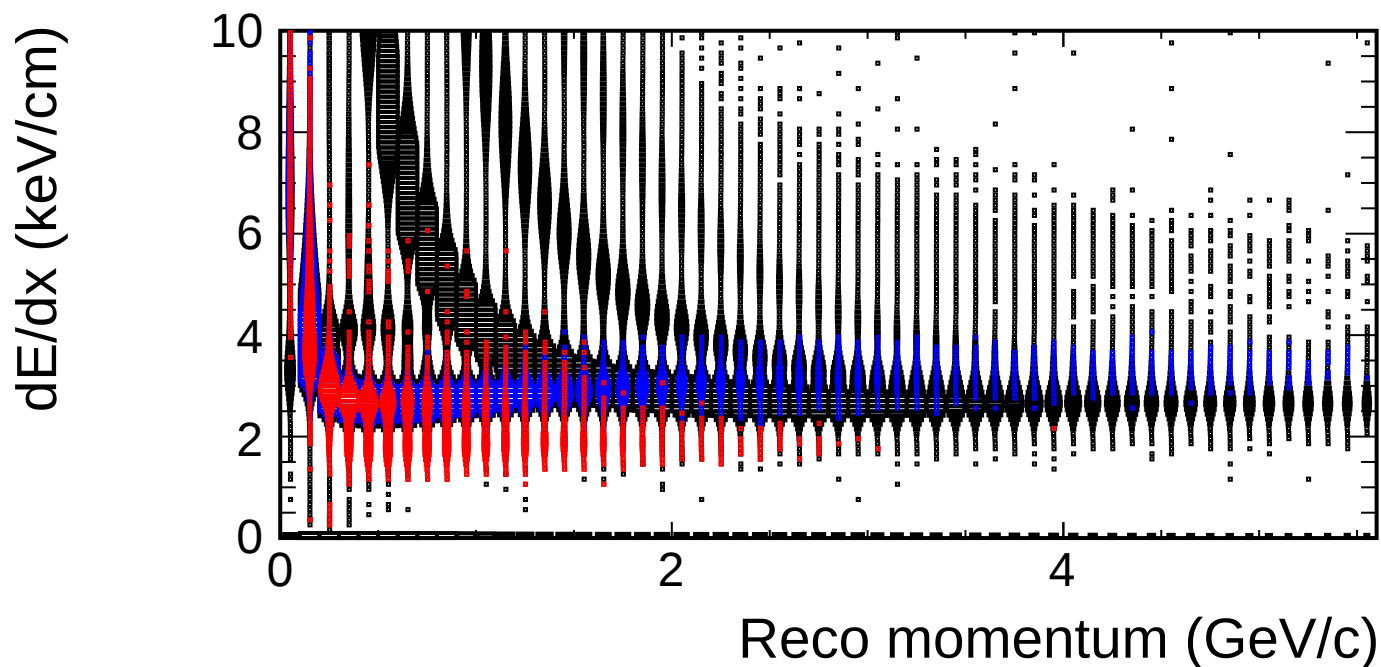
— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

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

Mean/ σ of dE/dx vs momentum



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



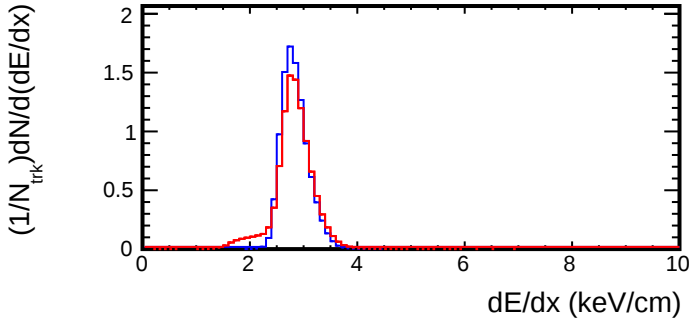
— Daughter π^- (from HyperTriton) (CONTAM, geantid=9)

— Real data

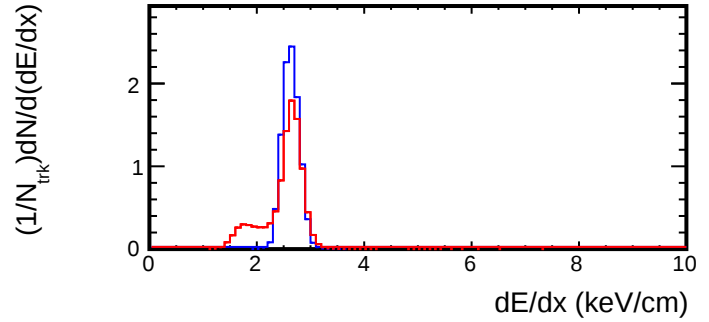
— Real data with PID cut ($\sigma < 2$) TPC

Projection of dE/dx for each p bin

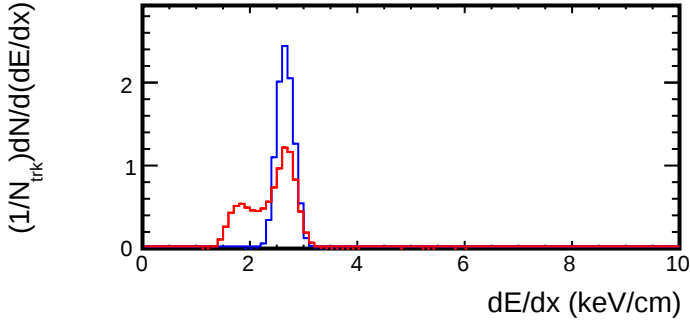
Reco p < 0.4 GeV/c



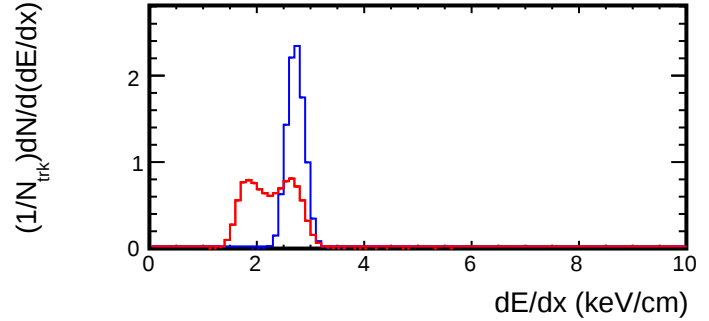
Reco p < 0.6 GeV/c



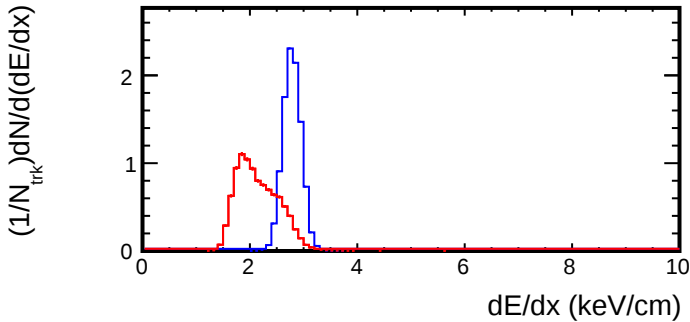
Reco p < 0.8 GeV/c



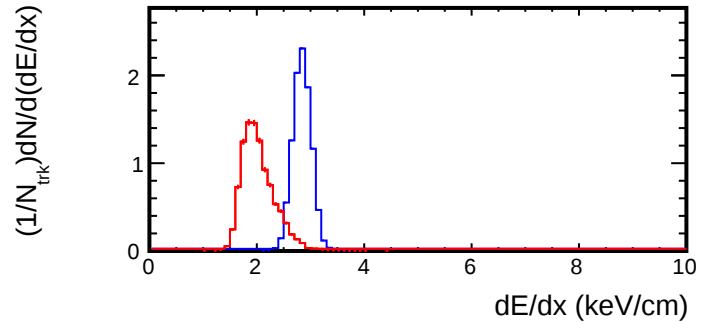
Reco p < 1.0 GeV/c



Reco p < 1.2 GeV/c



Reco p < 1.4 GeV/c

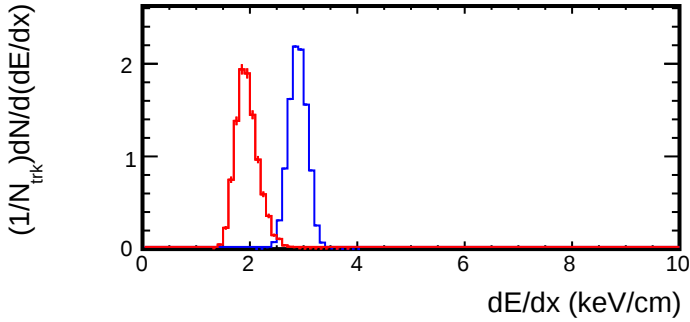


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

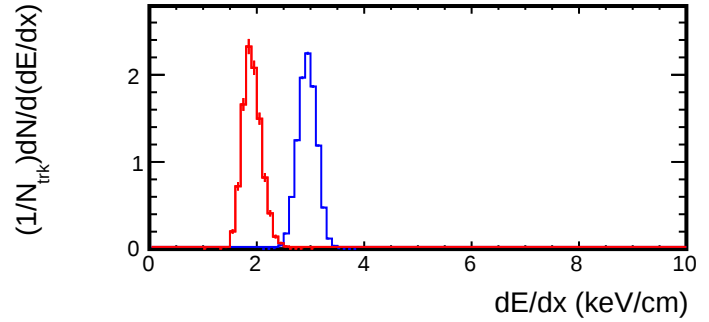
— pi-
(PRIMARY, $|n\sigma_{\pi^-}| < 2$ TPC)

Projection of dE/dx for each p bin

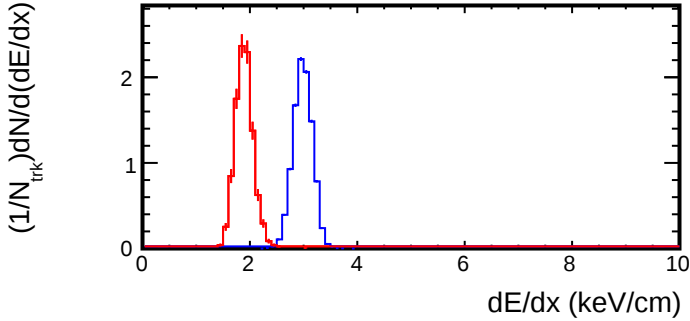
Reco p < 1.6 GeV/c



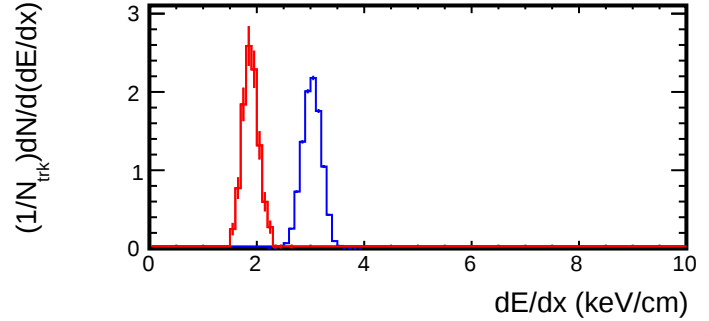
Reco p < 1.8 GeV/c



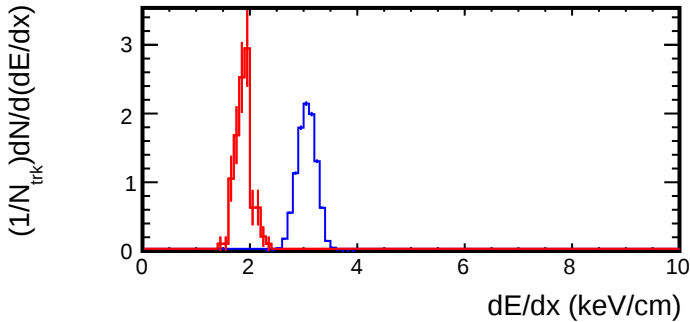
Reco p < 2.0 GeV/c



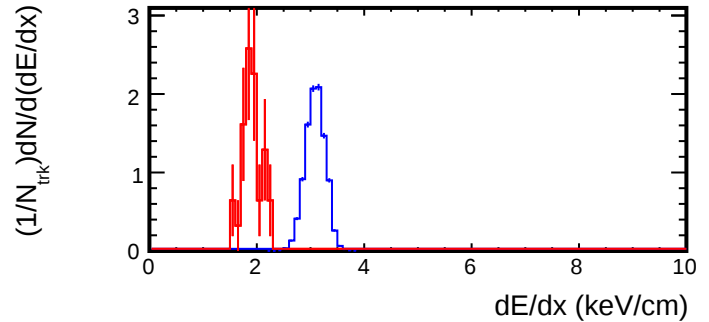
Reco p < 2.2 GeV/c



Reco p < 2.4 GeV/c



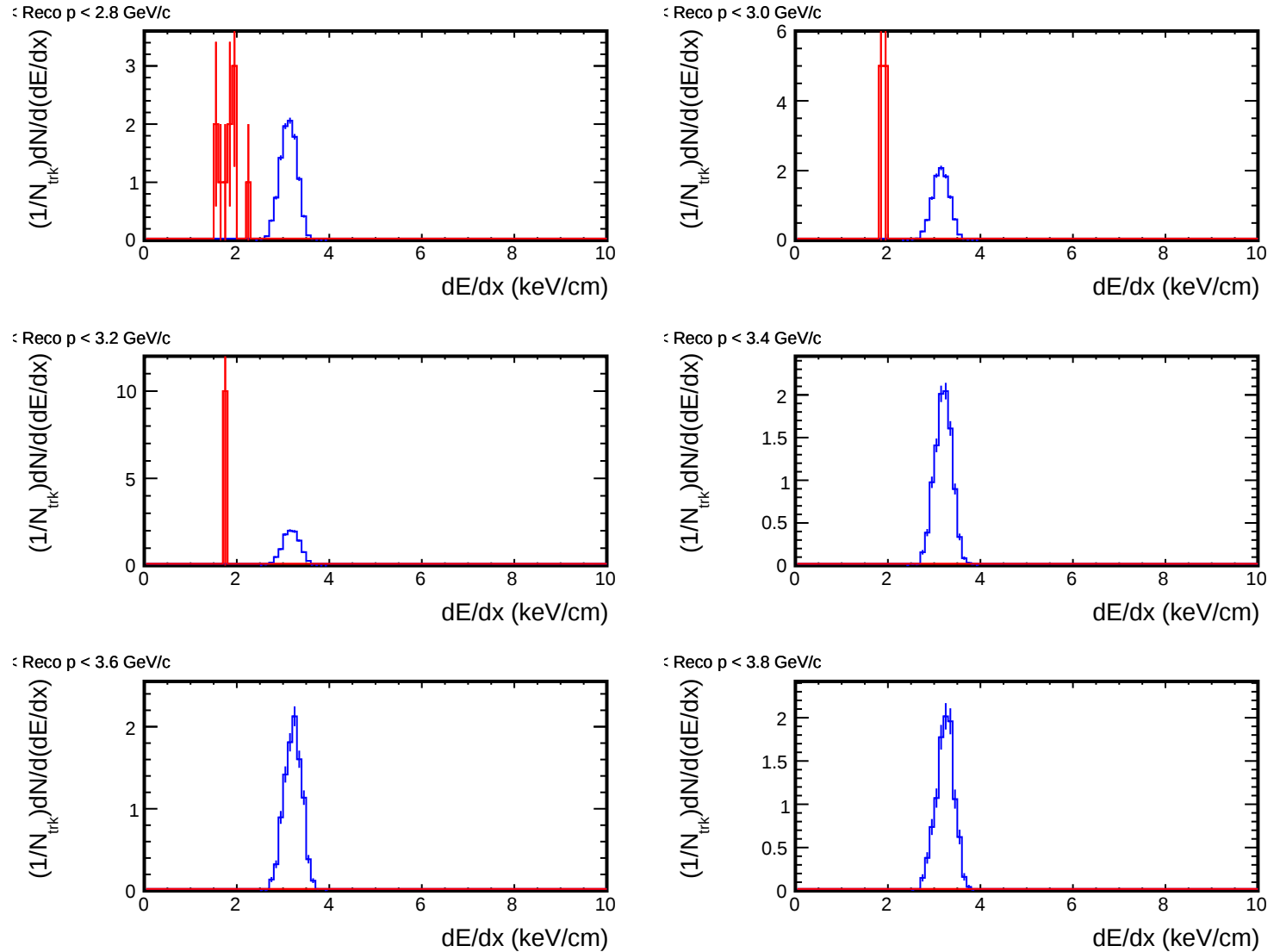
Reco p < 2.6 GeV/c



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

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

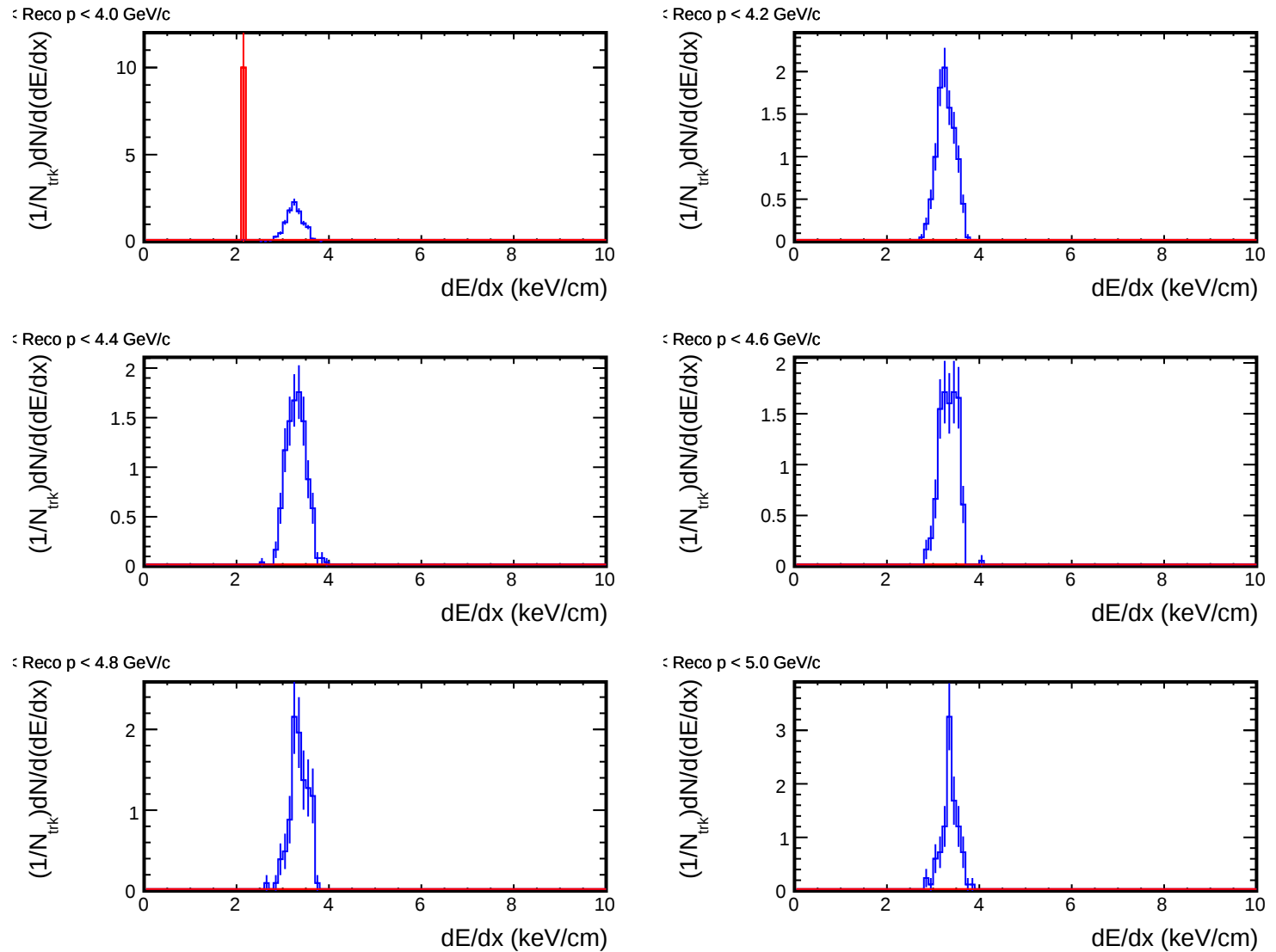
Projection of dE/dx for each p bin



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

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

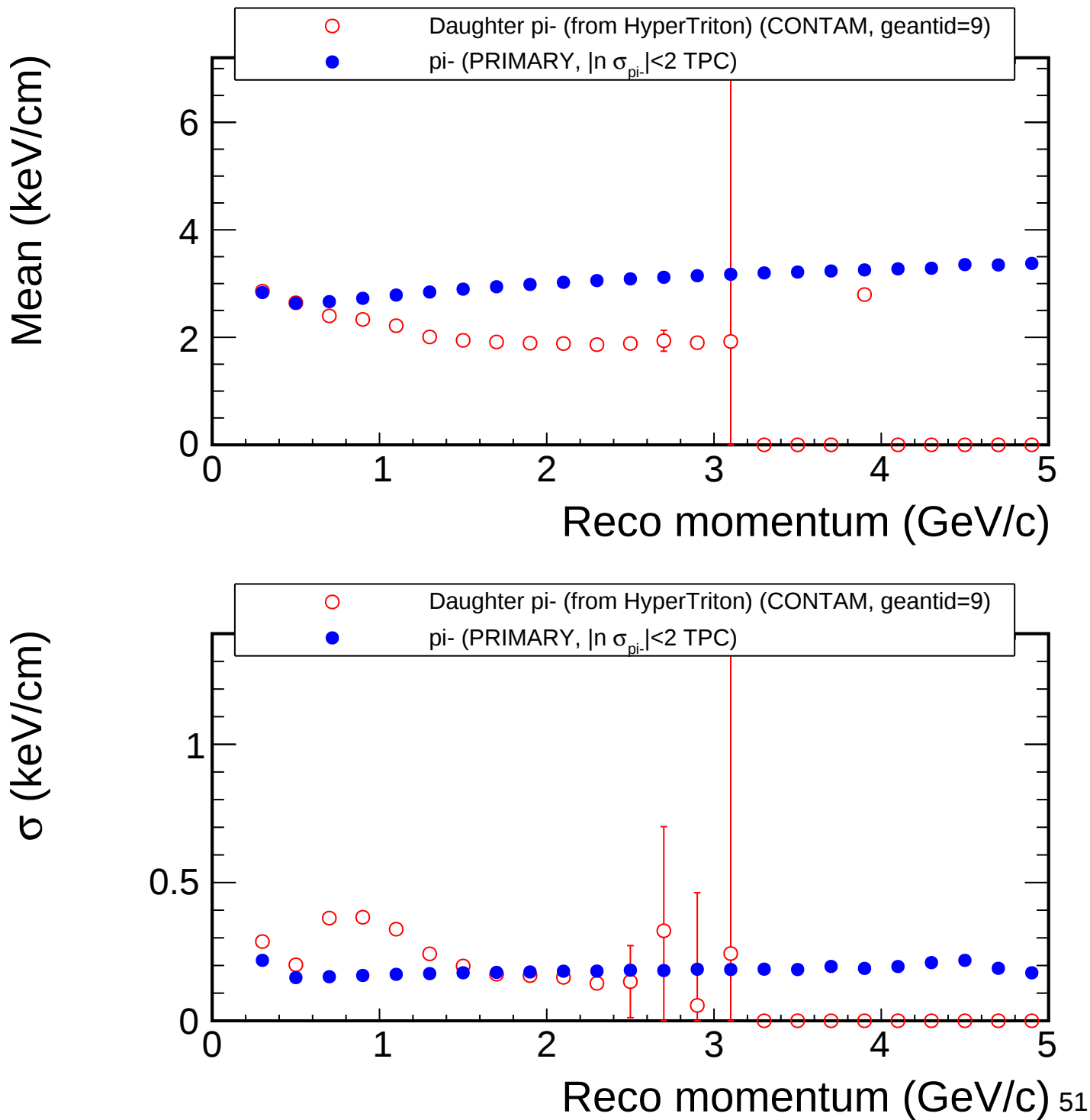
Projection of dE/dx for each p bin



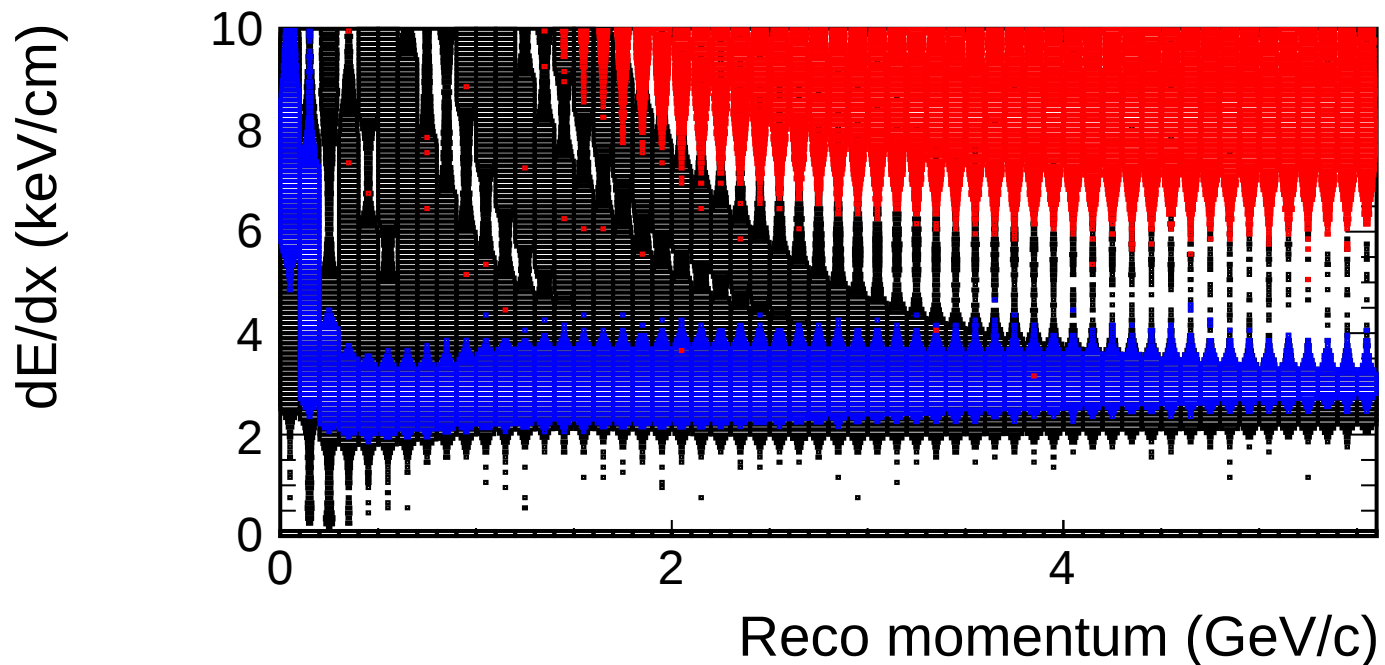
— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

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

Mean/ σ of dE/dx vs momentum



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

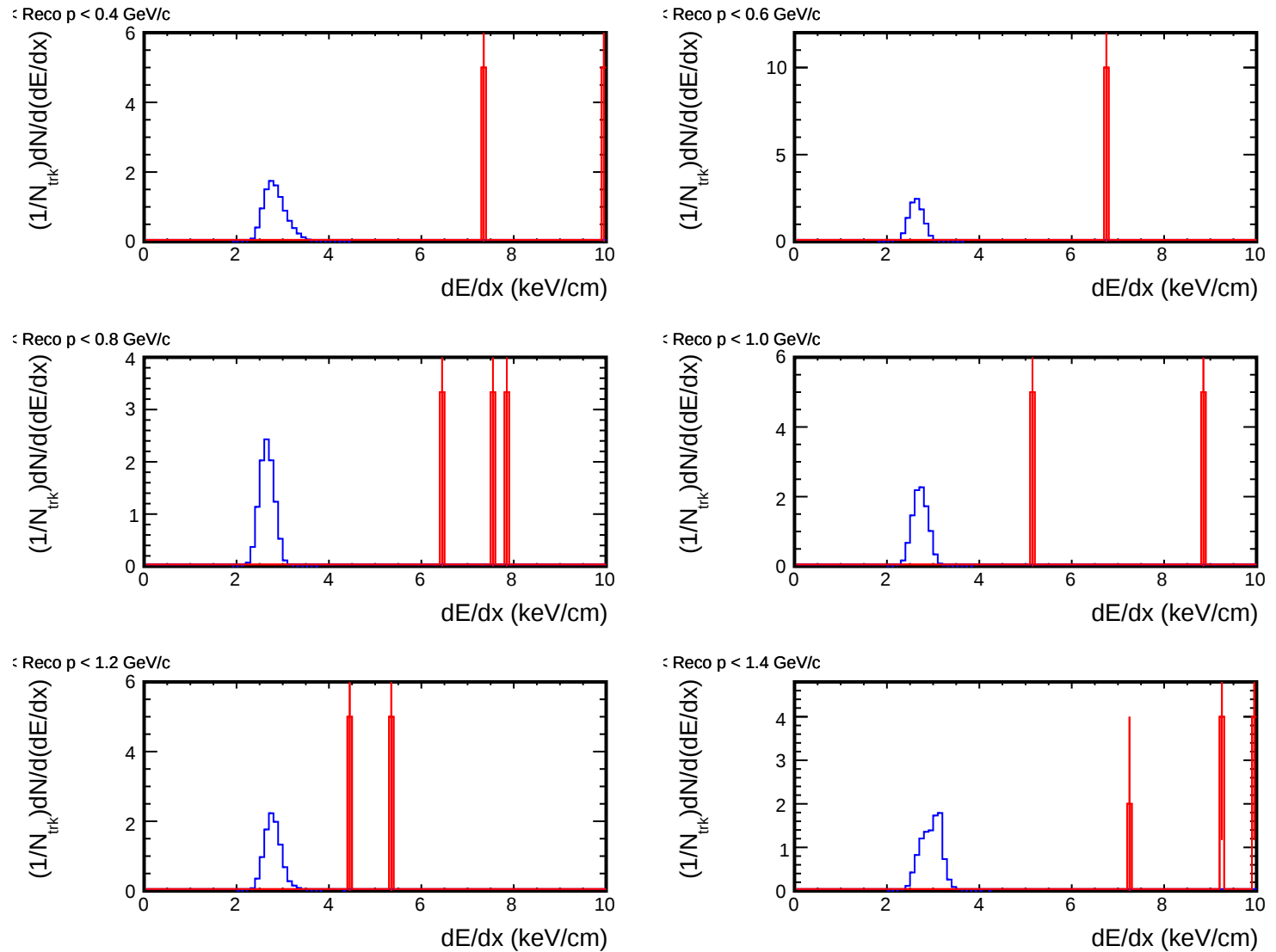


— Daughter He3 (from HyperTriton) (CONTAM, geantid=49)

— Real data

— Real data with PID cut ($\sigma < 2$) TPC

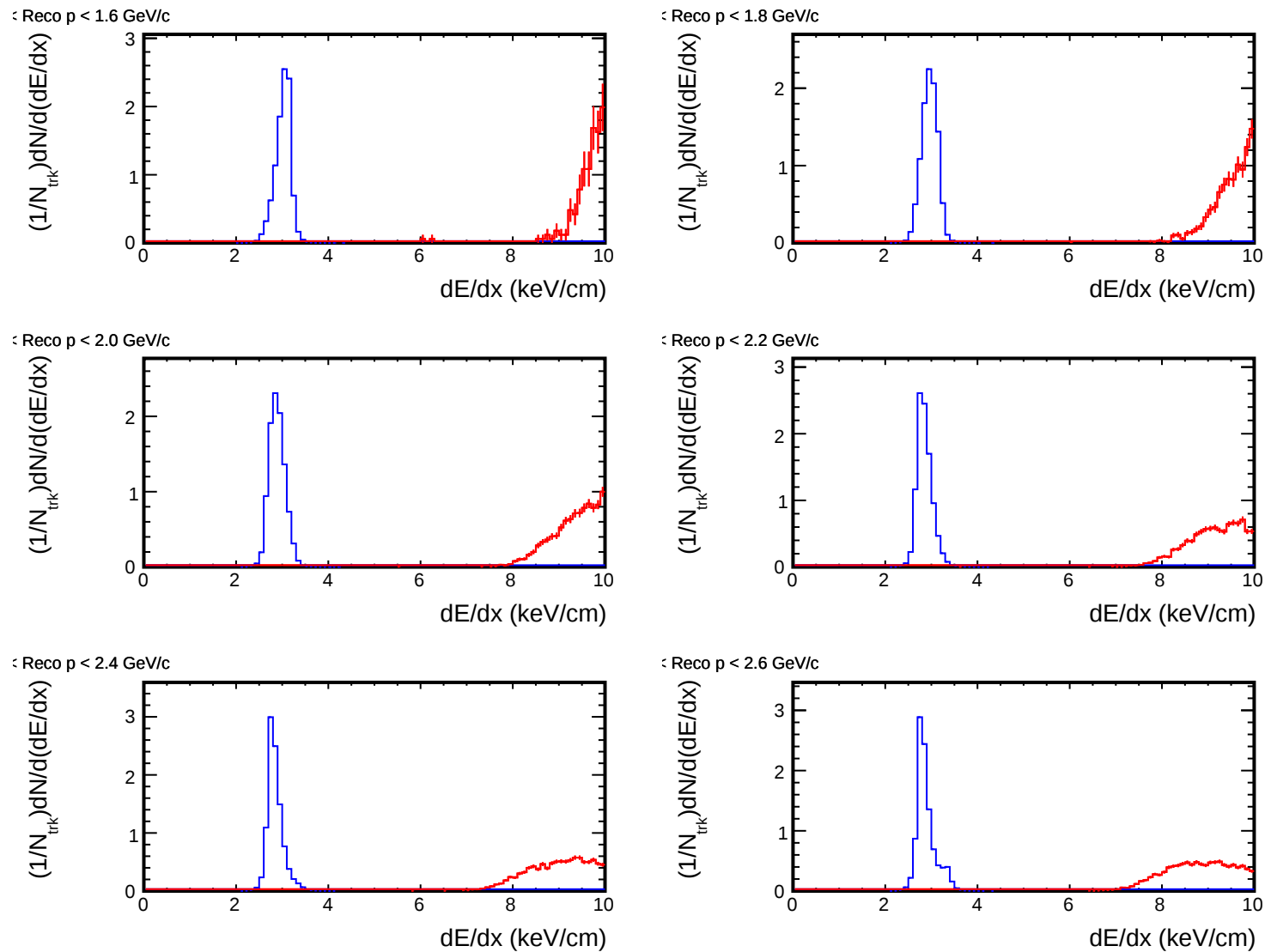
Projection of dE/dx for each p bin



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

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

Projection of dE/dx for each p bin

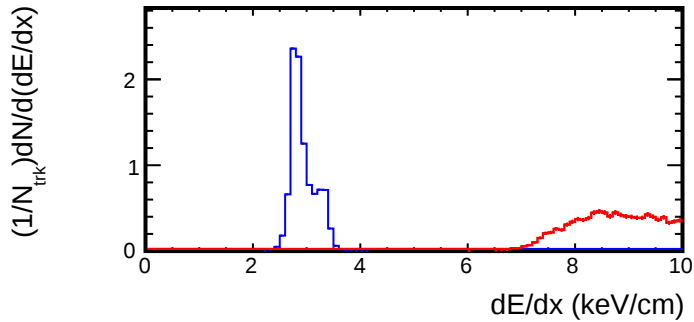


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

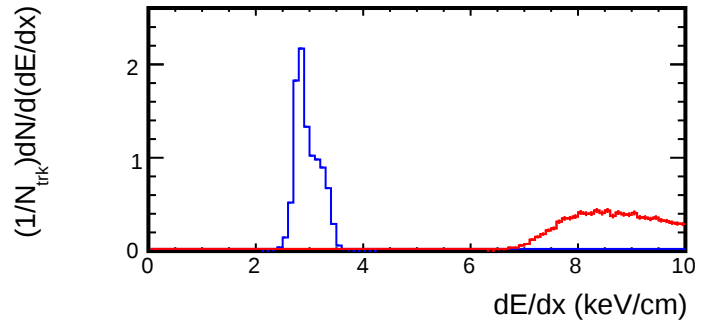
— pi+
(PRIMARY, $|n \sigma_{\text{pi}+}| < 2$ TPC)

Projection of dE/dx for each p bin

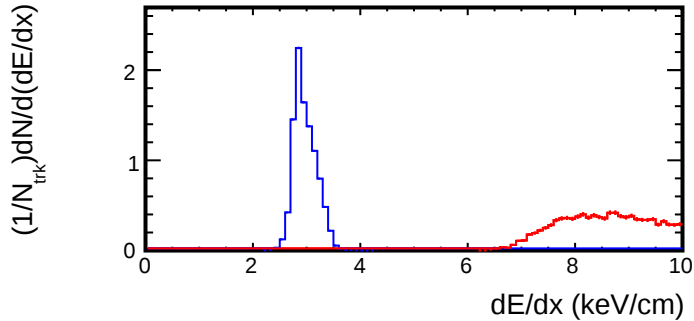
Reco p < 2.8 GeV/c



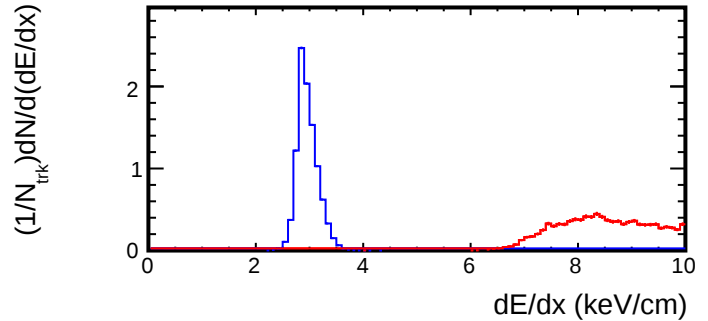
Reco p < 3.0 GeV/c



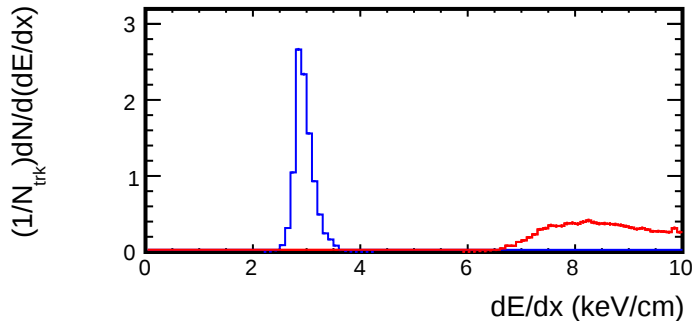
Reco p < 3.2 GeV/c



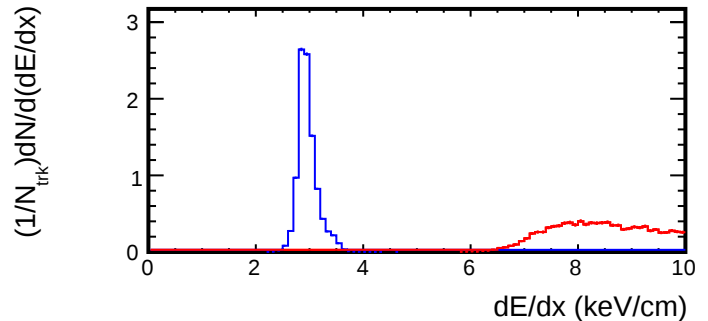
Reco p < 3.4 GeV/c



Reco p < 3.6 GeV/c



Reco p < 3.8 GeV/c

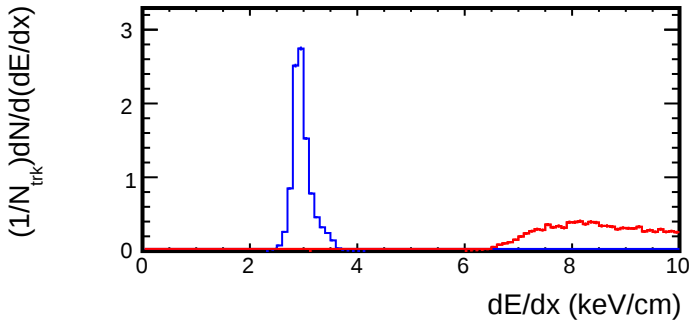


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

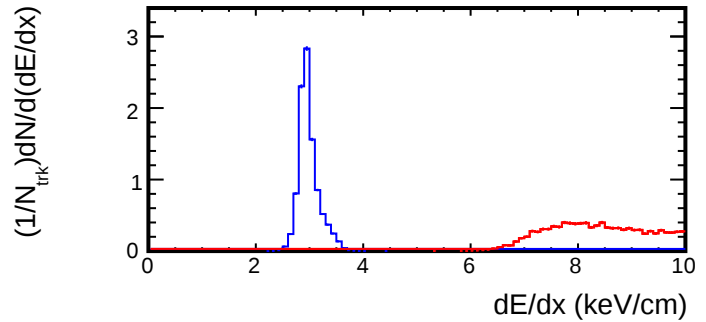
— pi+
(PRIMARY, $|n \sigma_{\text{pi}+}| < 2$ TPC)

Projection of dE/dx for each p bin

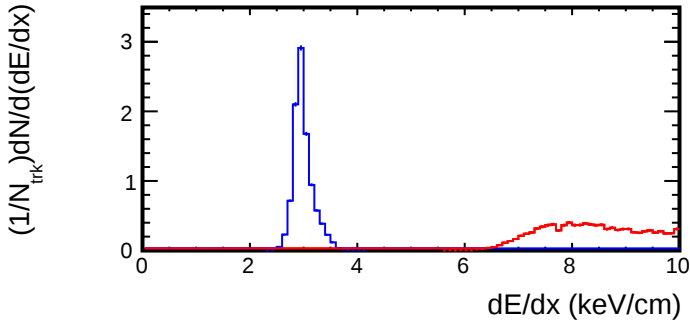
Reco p < 4.0 GeV/c



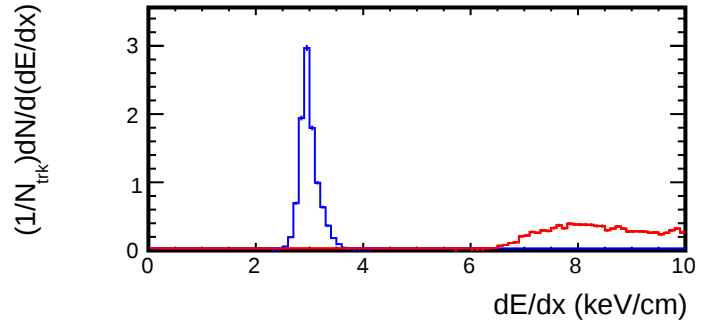
Reco p < 4.2 GeV/c



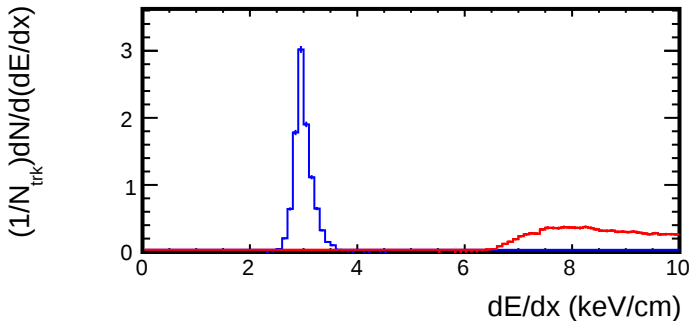
Reco p < 4.4 GeV/c



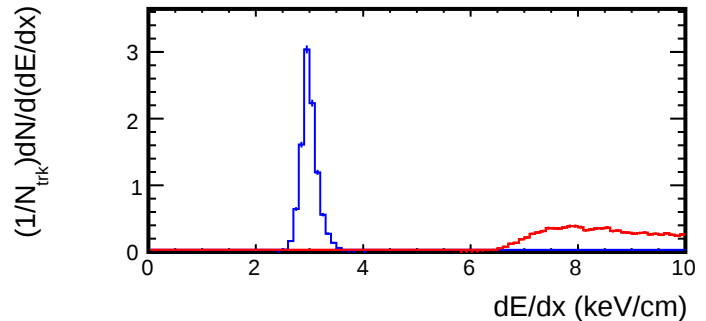
Reco p < 4.6 GeV/c



Reco p < 4.8 GeV/c



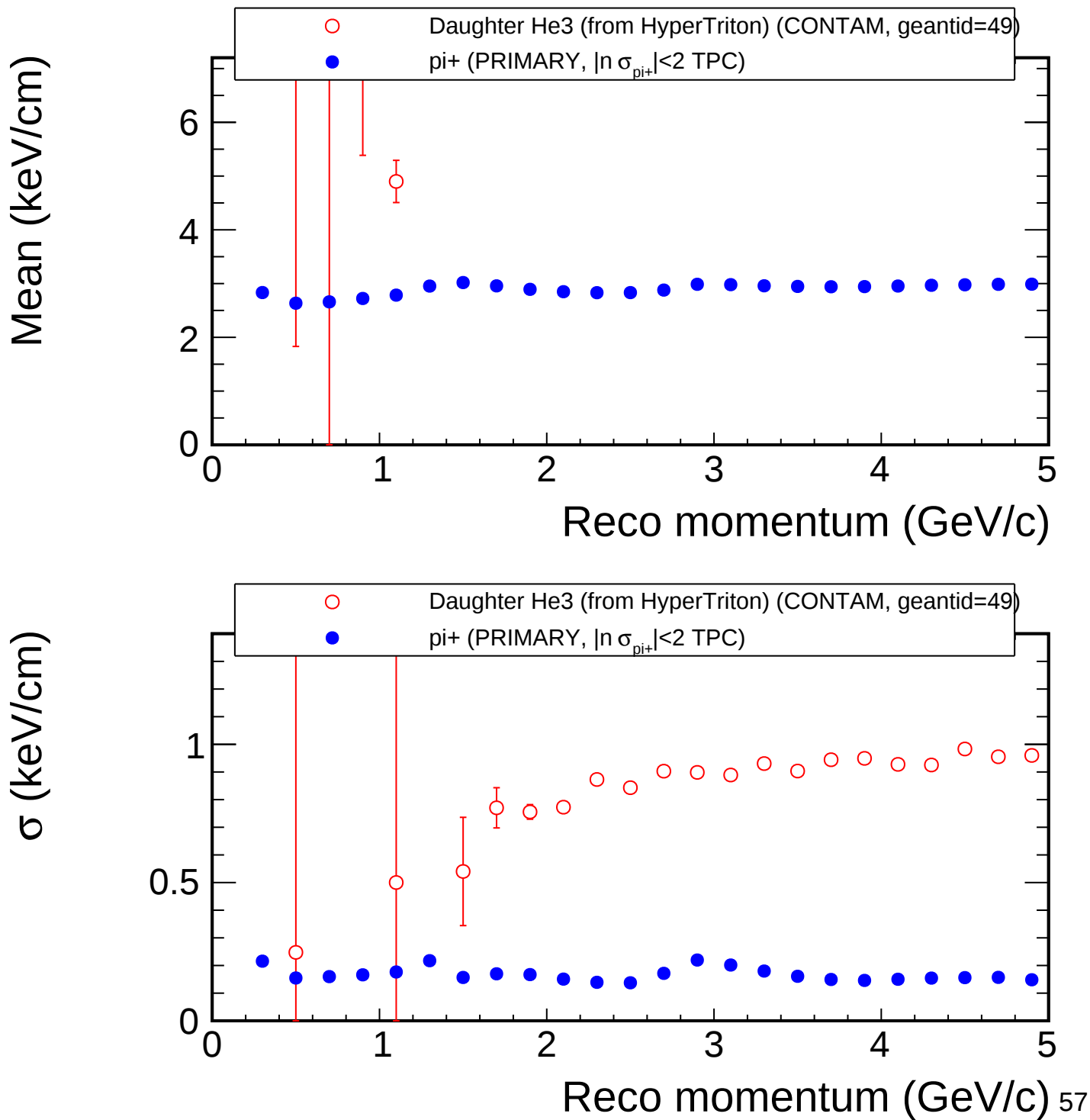
Reco p < 5.0 GeV/c



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

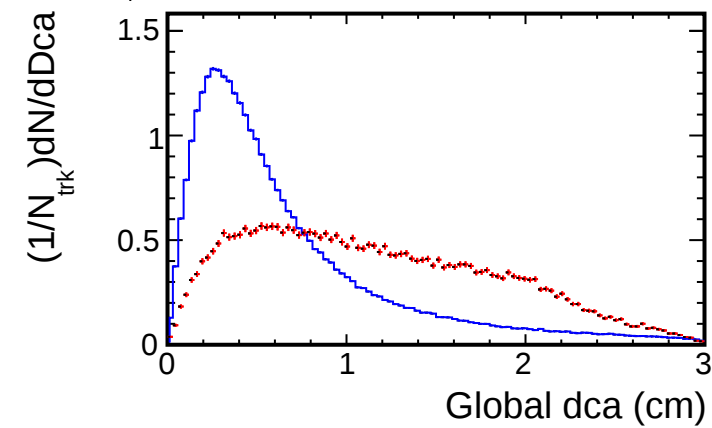
— pi+
(PRIMARY, $|n \sigma_{\text{pi}+}| < 2$ TPC)

Mean/ σ of dE/dx vs momentum

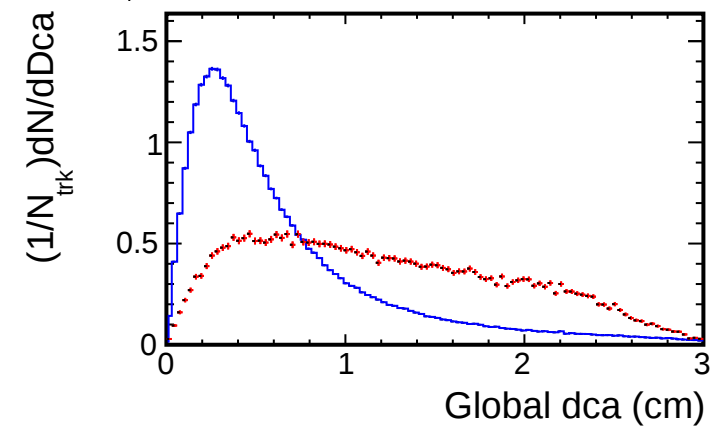


Dca distribution for (p_T , η) slices

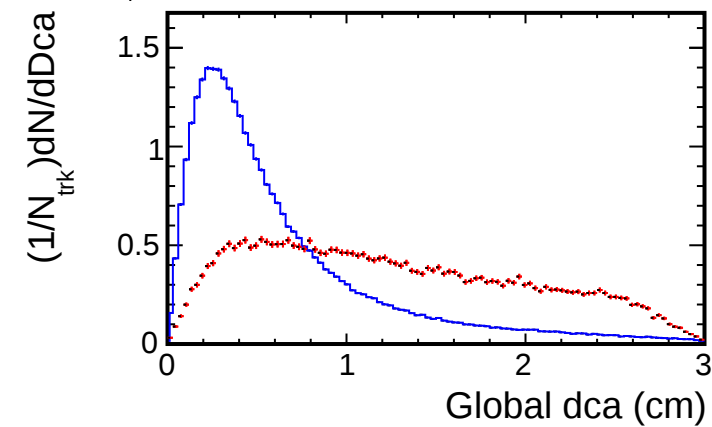
1.8, $0.1 < p_T < 0.5$ (GeV/c)



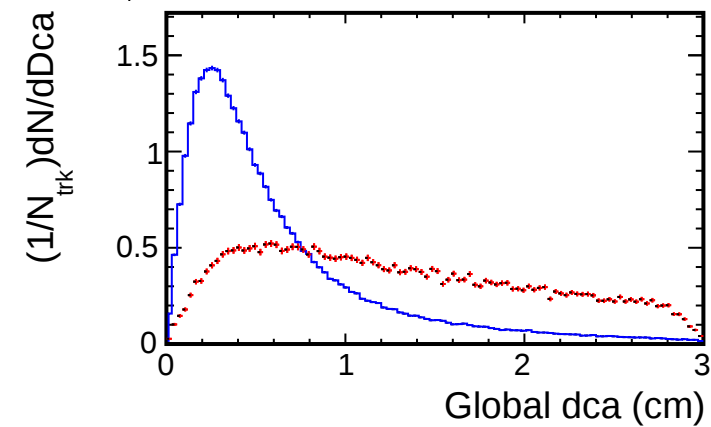
1.6, $0.1 < p_T < 0.5$ (GeV/c)



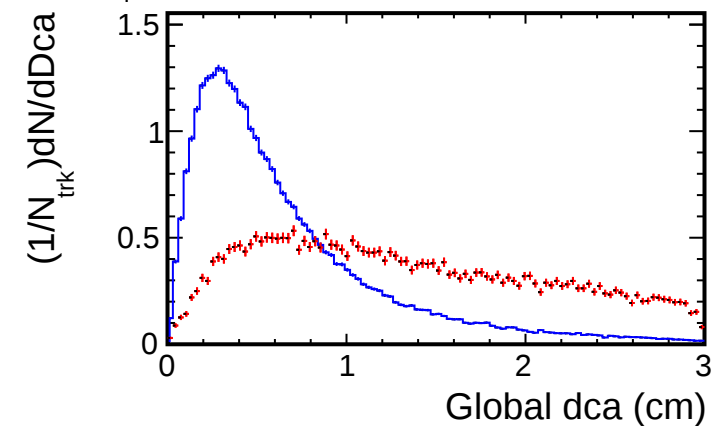
1.4, $0.1 < p_T < 0.5$ (GeV/c)



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



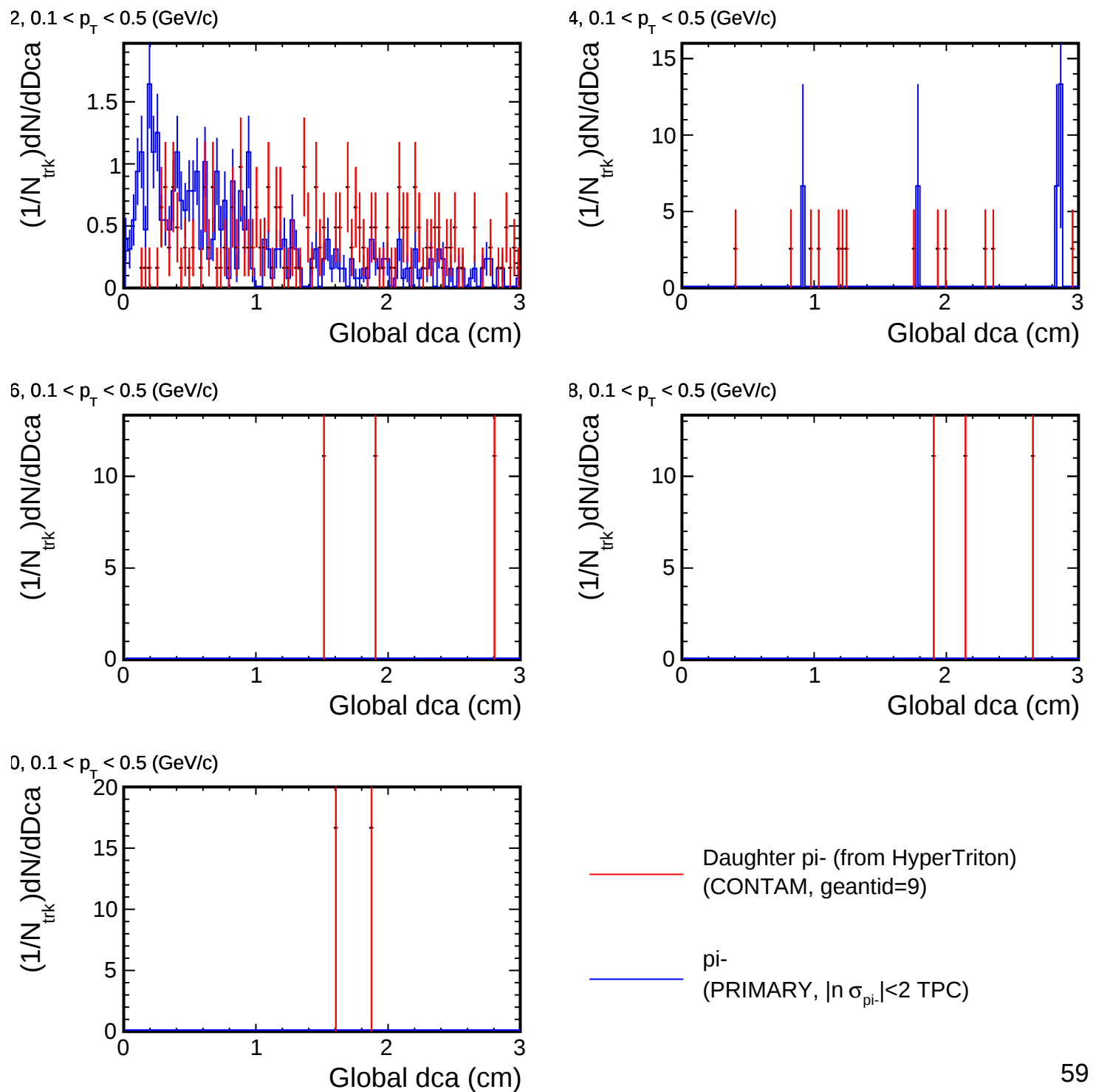
1.0, $0.1 < p_T < 0.5$ (GeV/c)



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

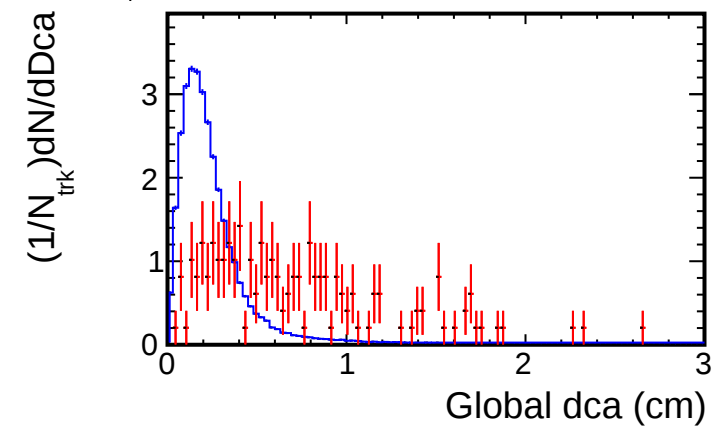
— pi-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices

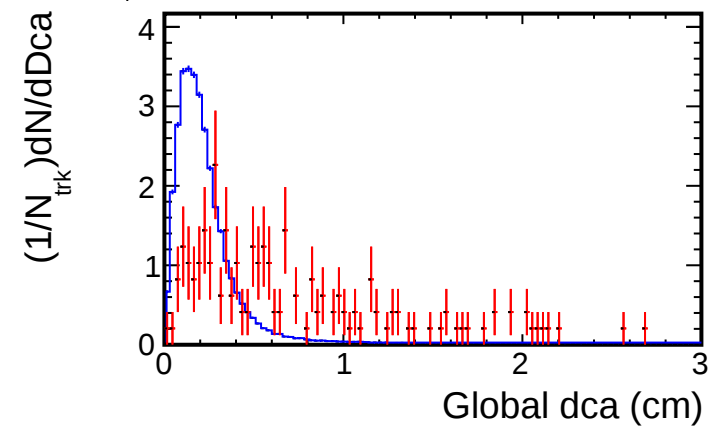


Dca distribution for (p_T , η) slices

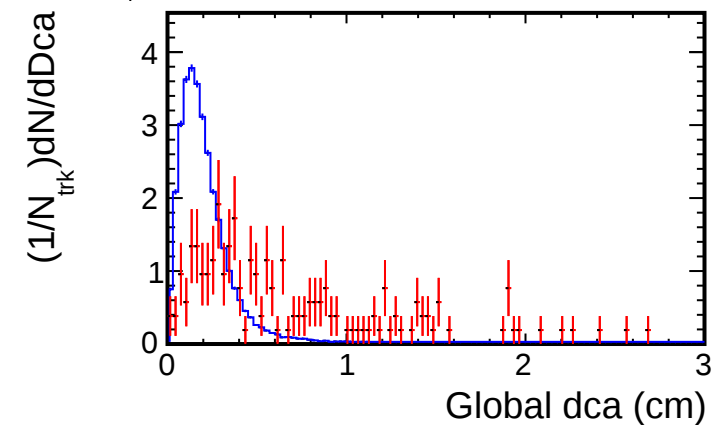
1.8, $0.5 < p_T < 1.0$ (GeV/c)



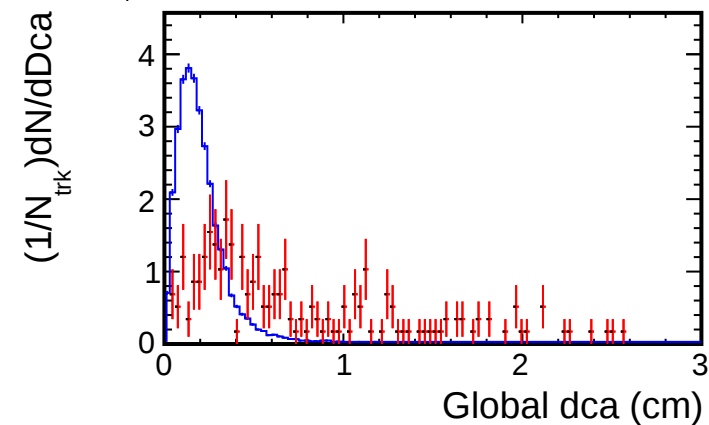
1.6, $0.5 < p_T < 1.0$ (GeV/c)



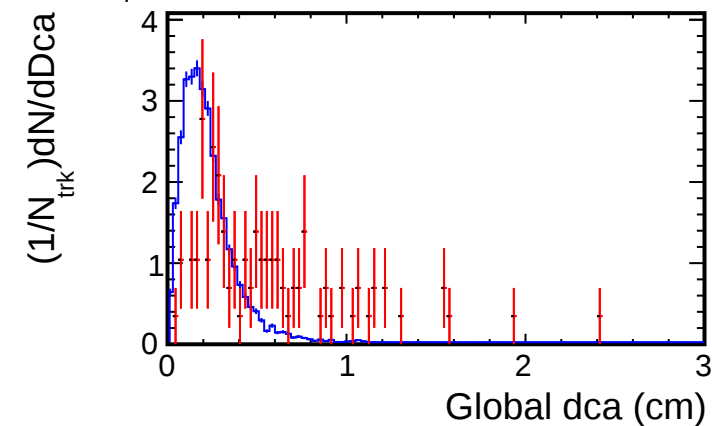
1.4, $0.5 < p_T < 1.0$ (GeV/c)



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



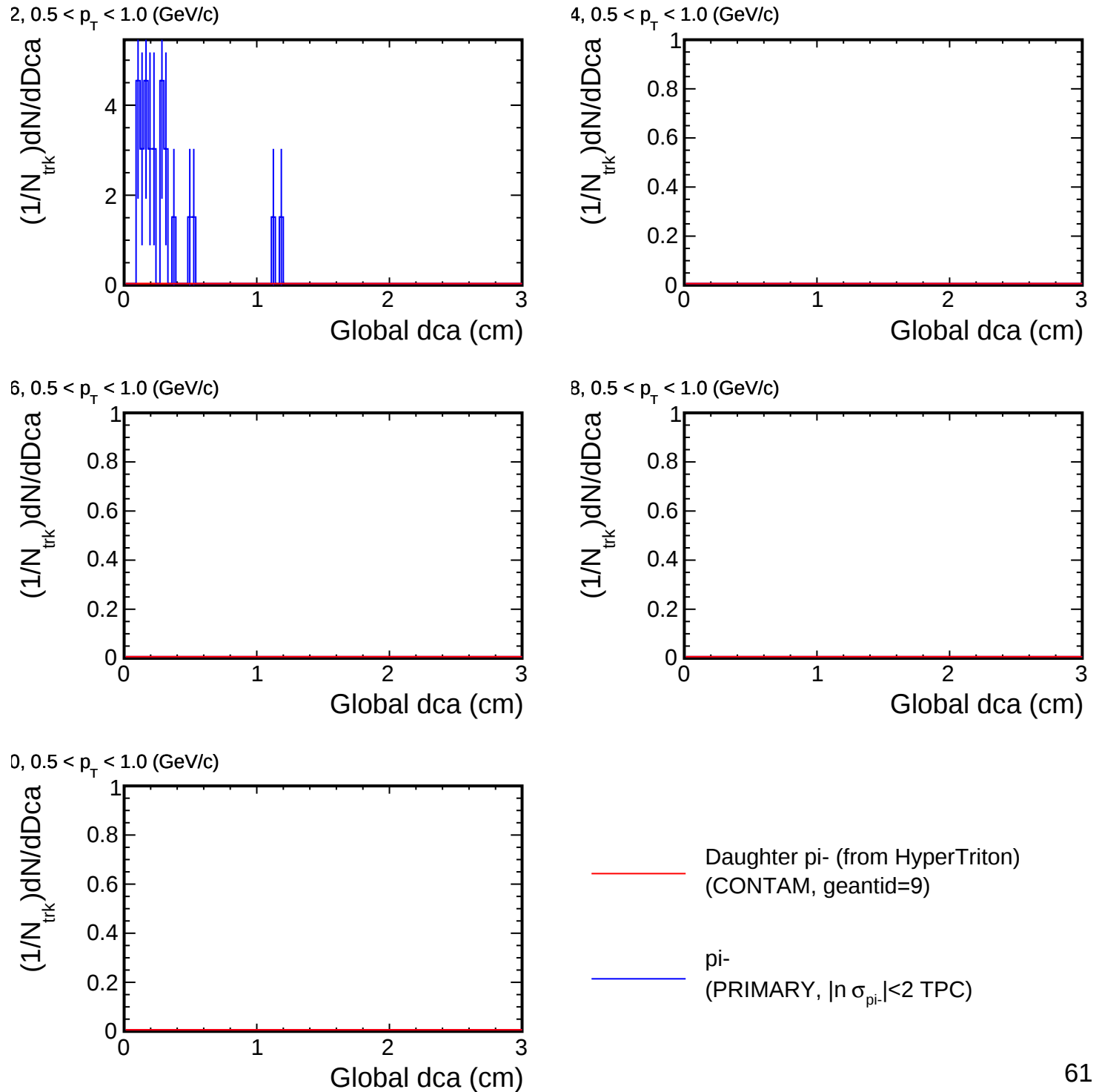
1.0, $0.5 < p_T < 1.0$ (GeV/c)



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

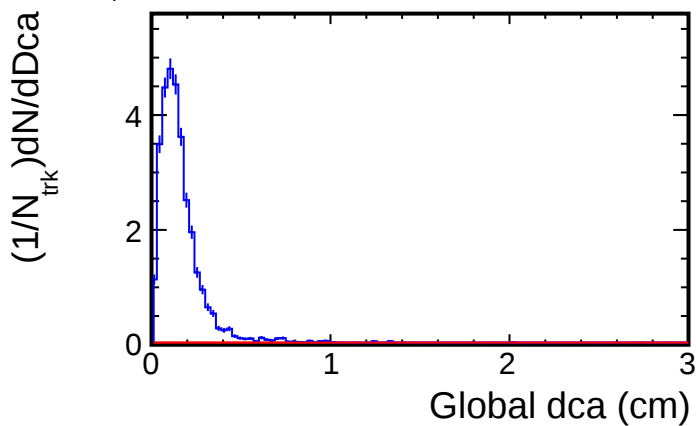
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi-}}| < 2$ TPC)

Dca distribution for (p_T , η) slices

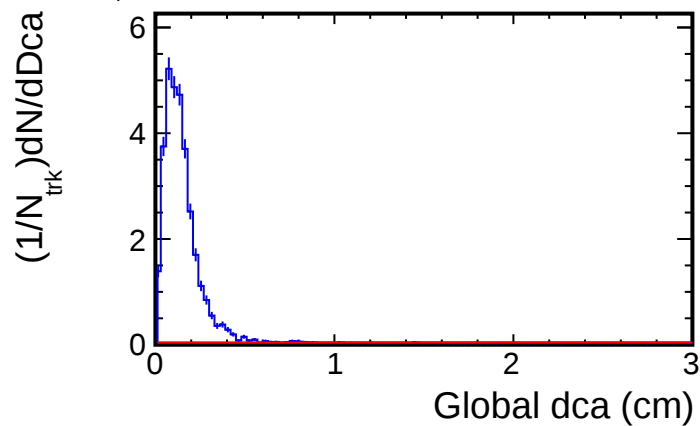


Dca distribution for (p_T , η) slices

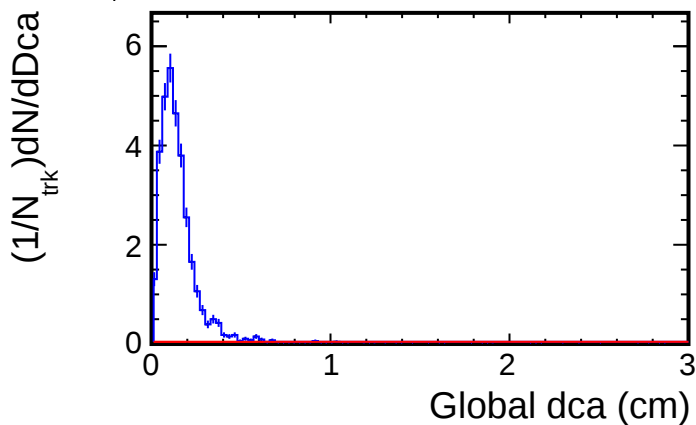
$1.8, 1.0 < p_T < 1.5$ (GeV/c)



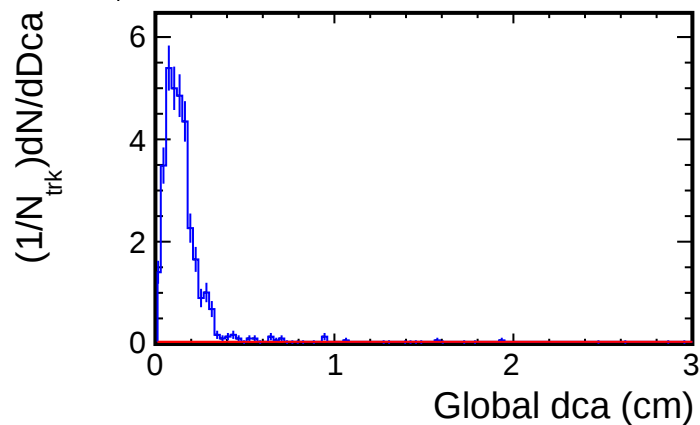
$1.6, 1.0 < p_T < 1.5$ (GeV/c)



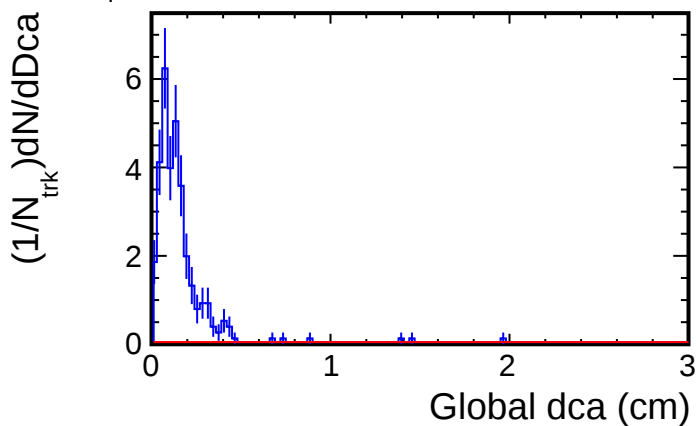
$1.4, 1.0 < p_T < 1.5$ (GeV/c)



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



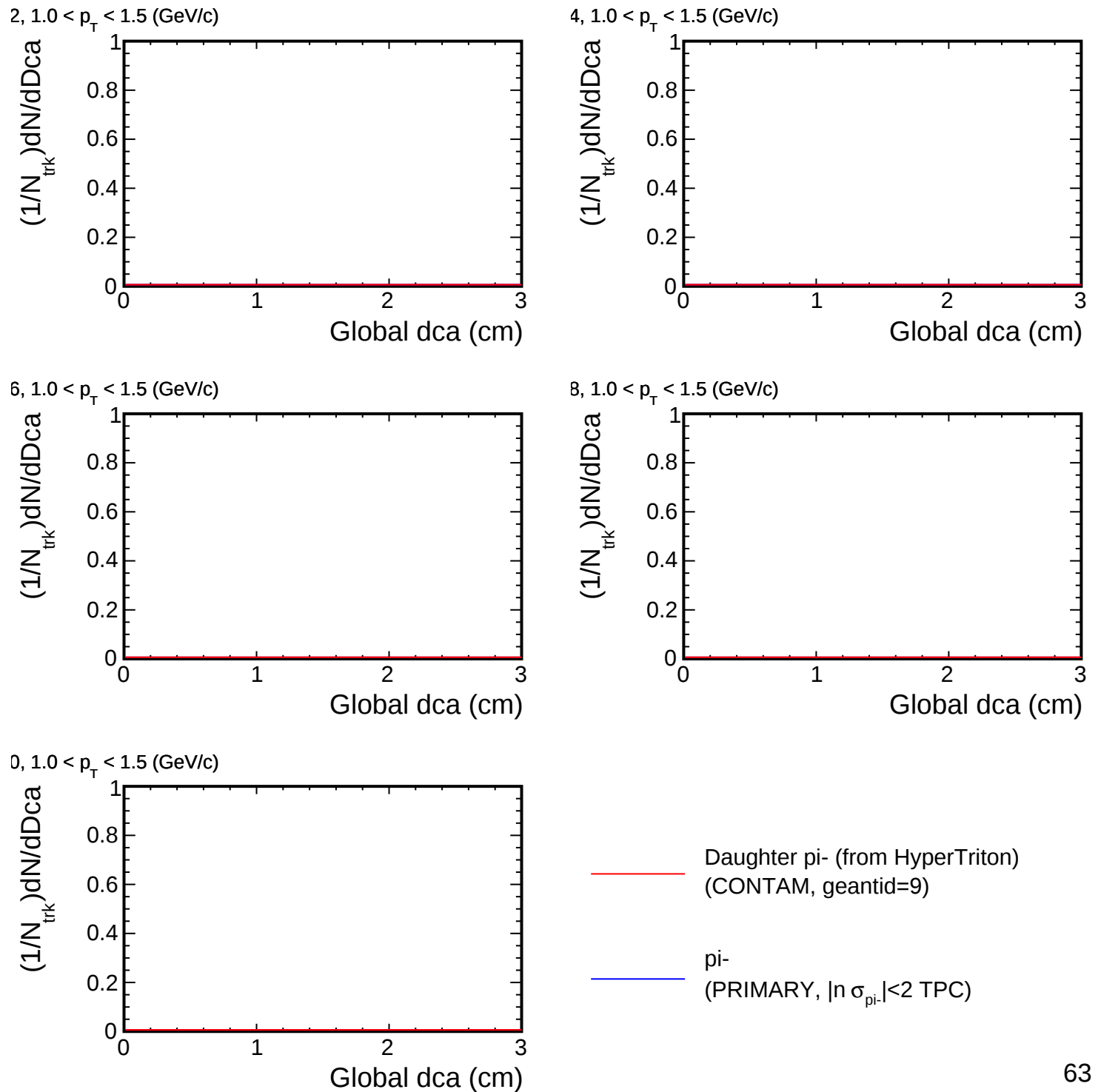
$1.0, 1.0 < p_T < 1.5$ (GeV/c)



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

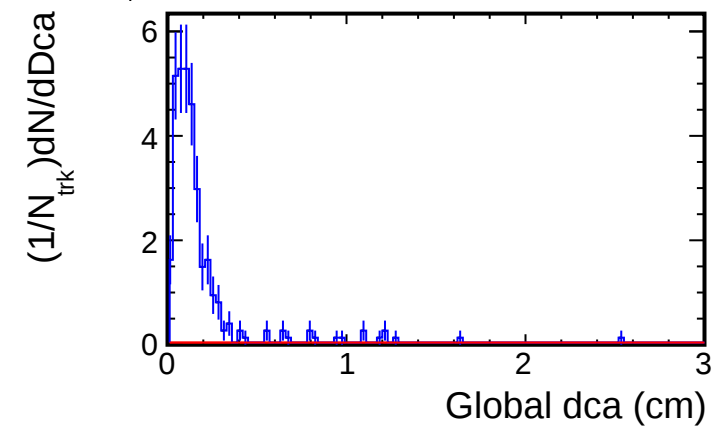
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices

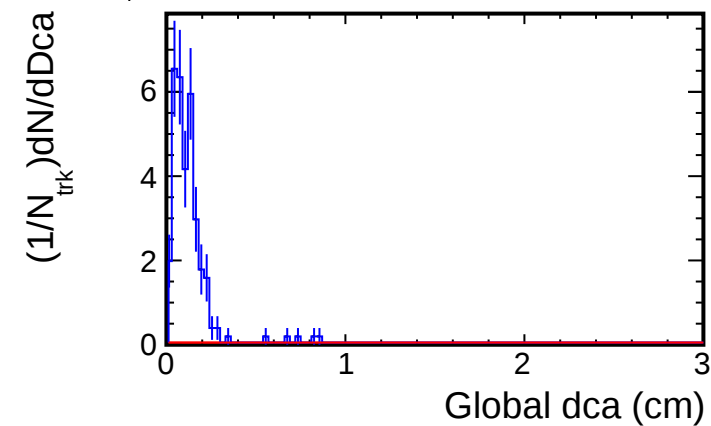


Dca distribution for (p_T , η) slices

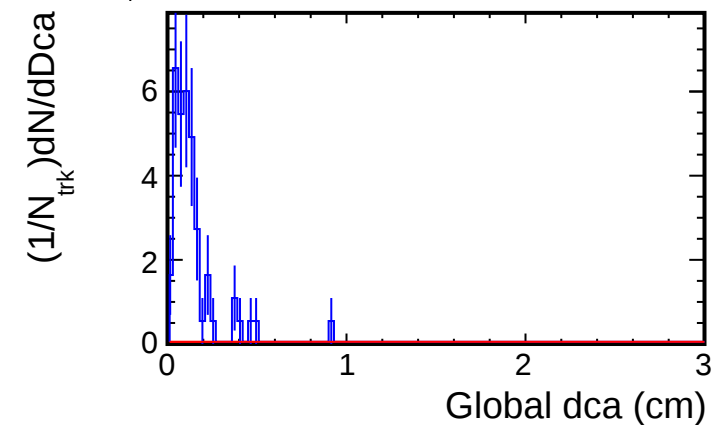
1.8, $1.5 < p_T < 2.0$ (GeV/c)



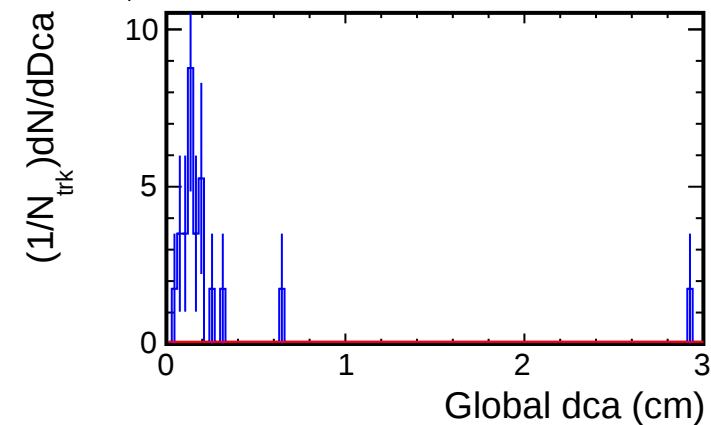
1.6, $1.5 < p_T < 2.0$ (GeV/c)



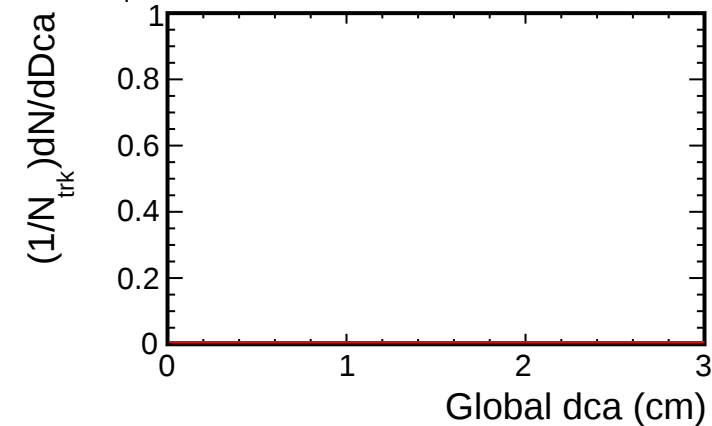
1.4, $1.5 < p_T < 2.0$ (GeV/c)



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



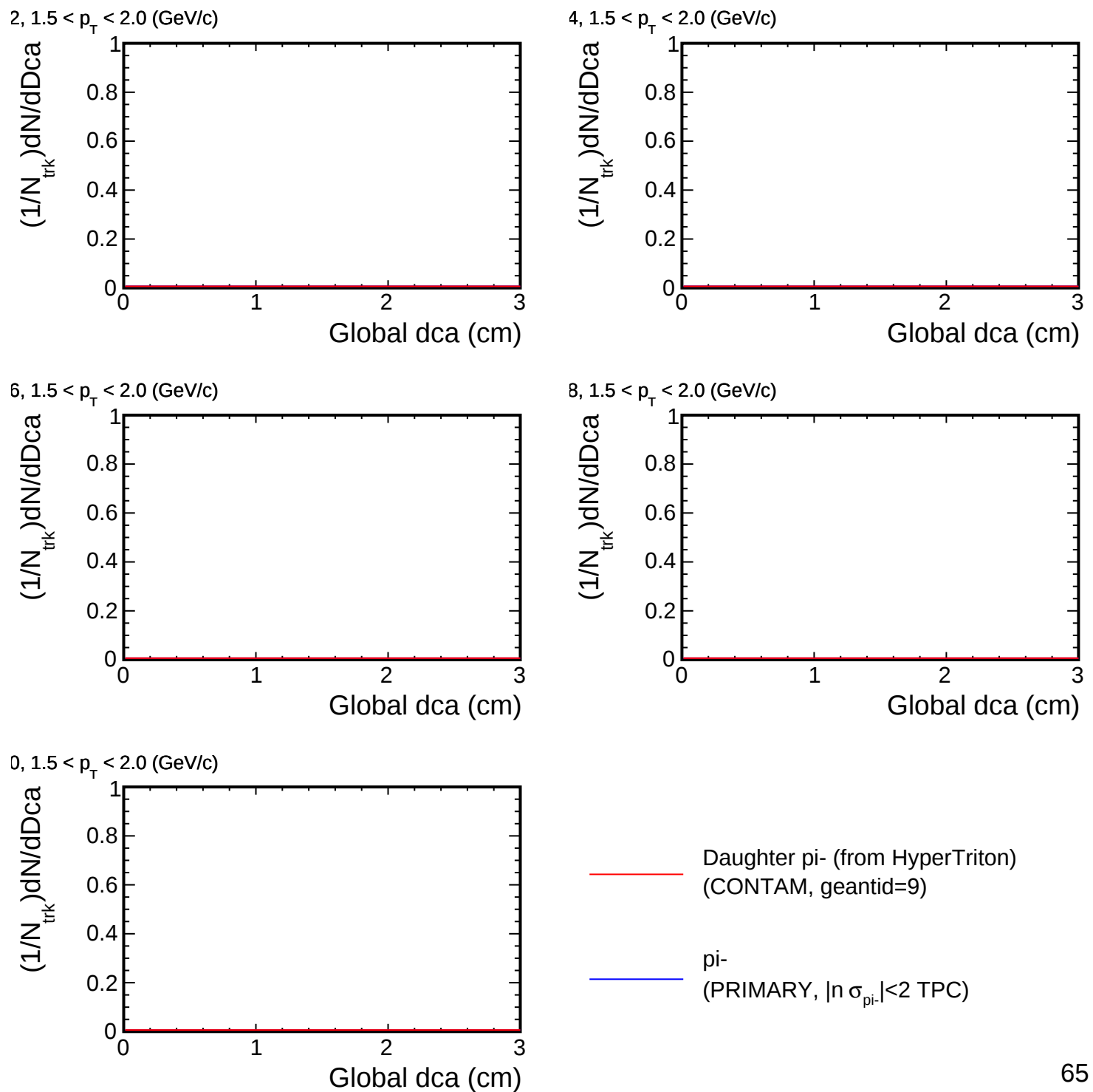
1.0, $1.5 < p_T < 2.0$ (GeV/c)



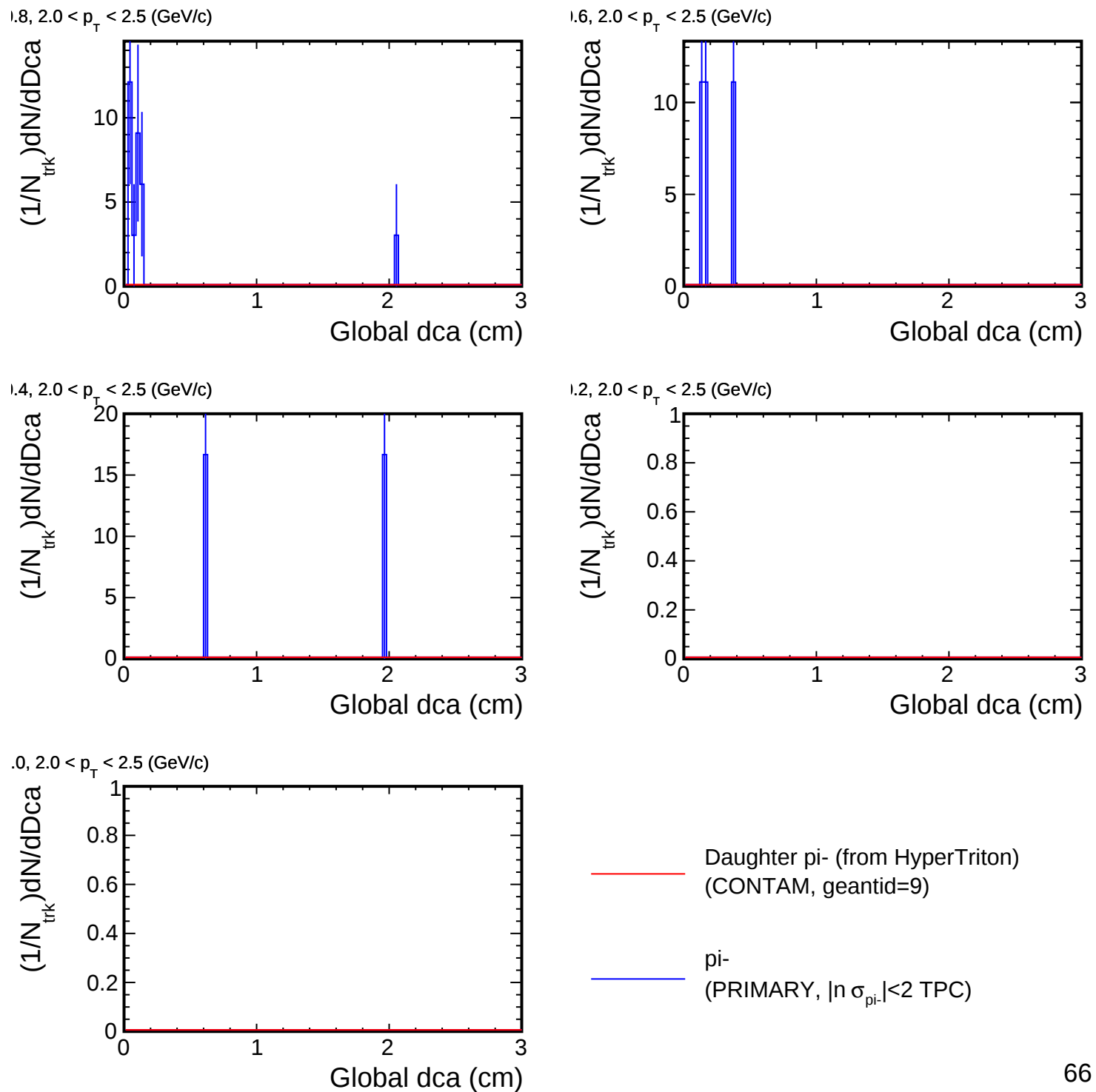
— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

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

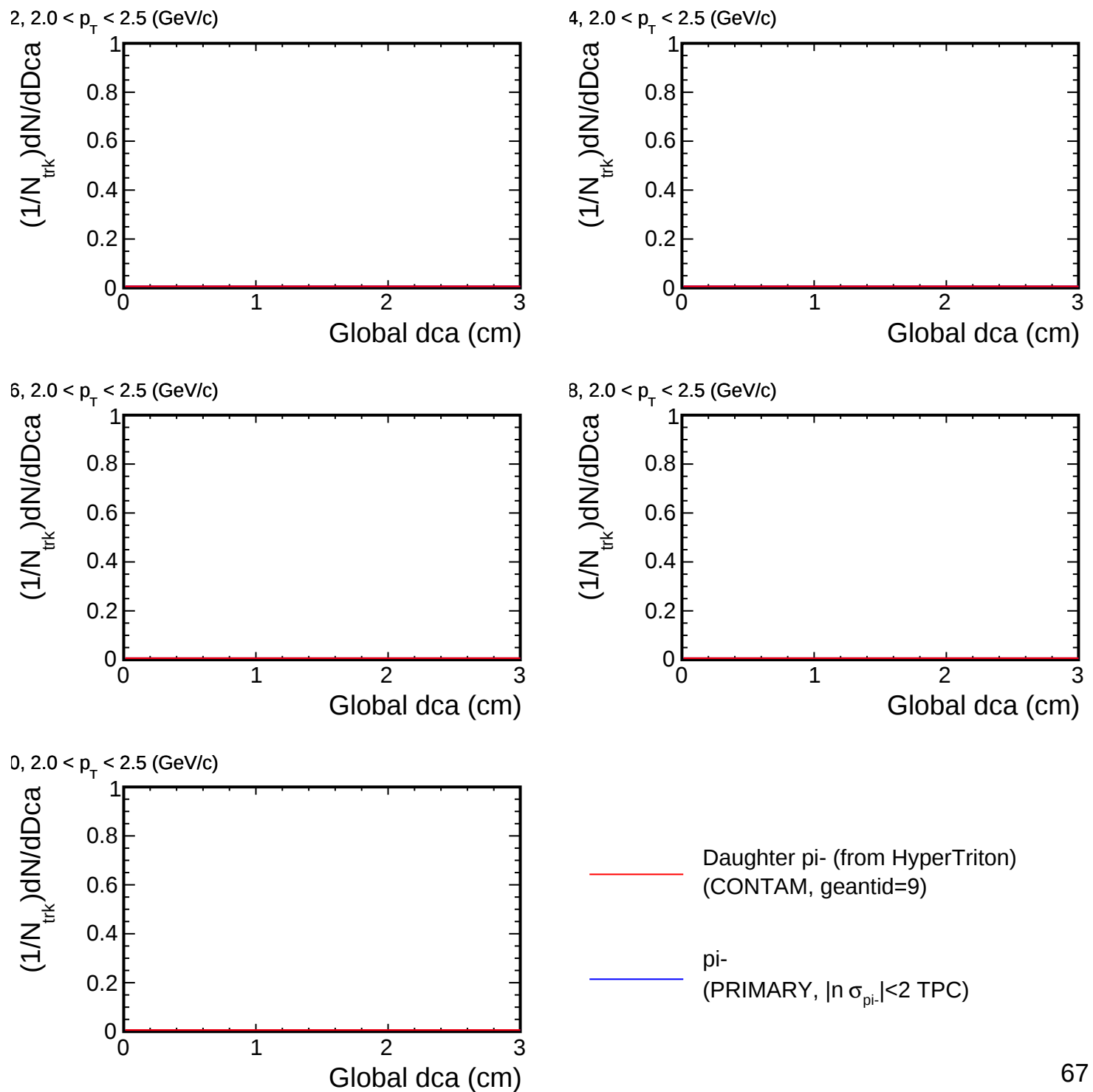
Dca distribution for (p_T , η) slices



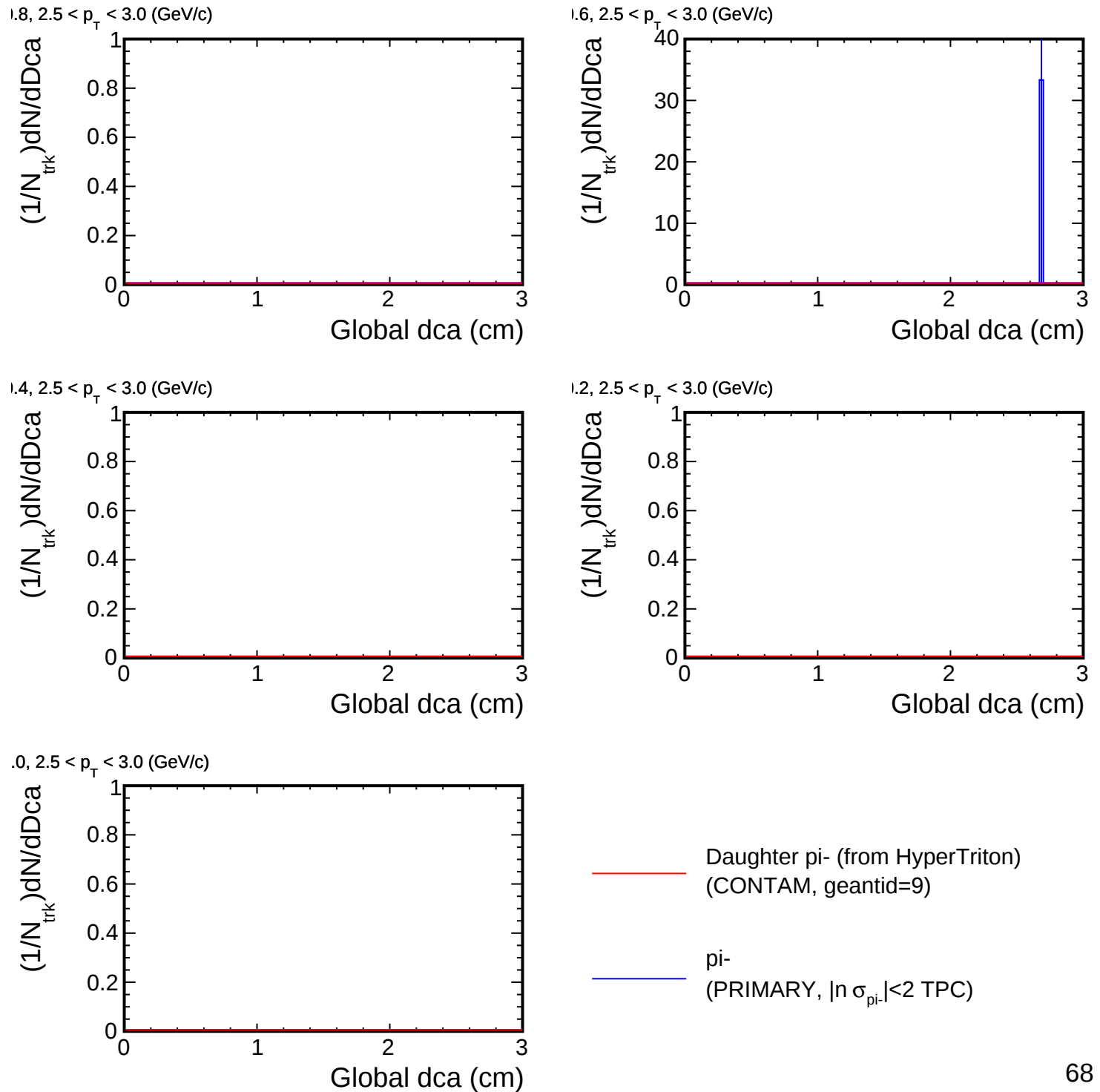
Dca distribution for (p_T , η) slices



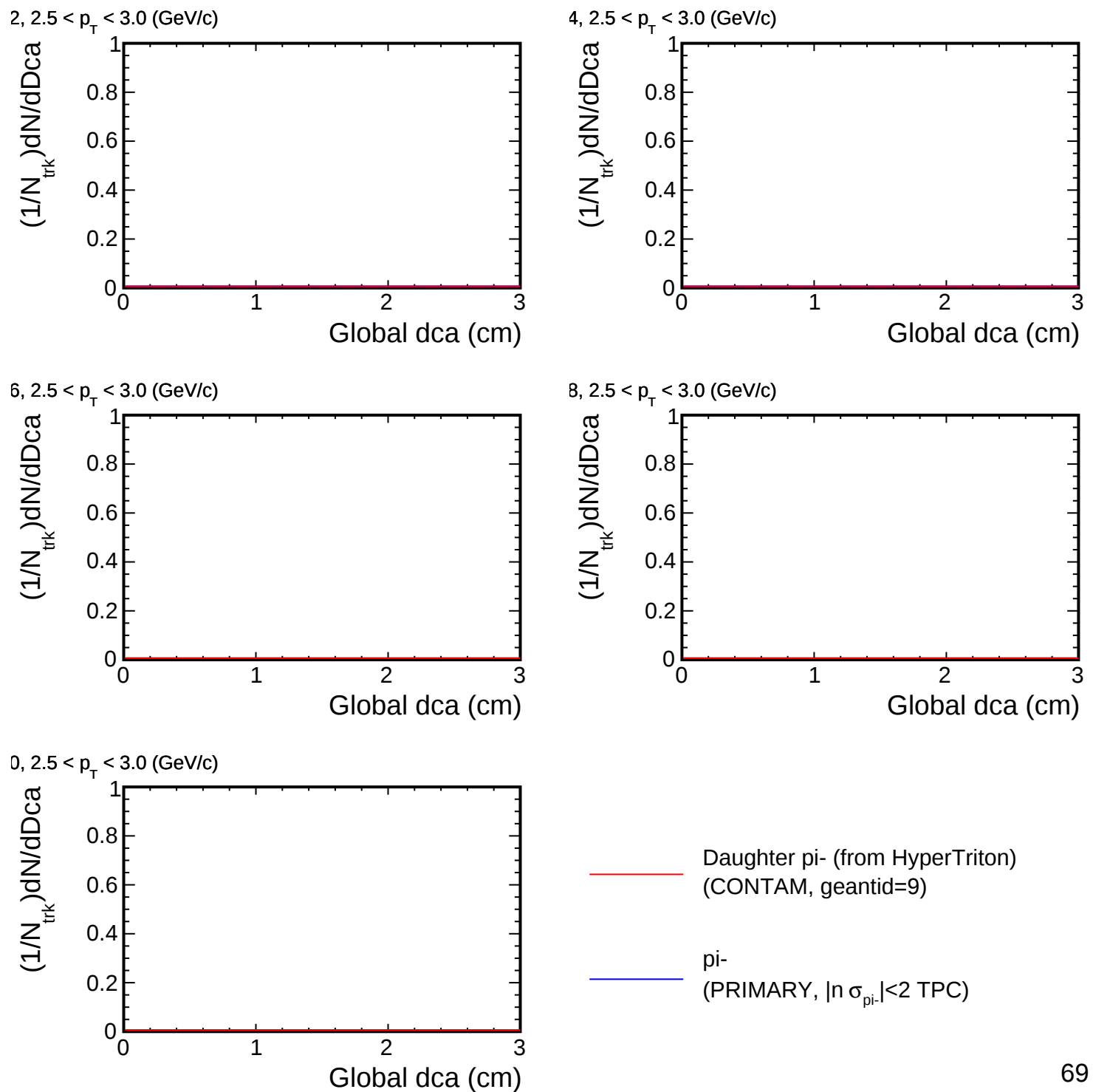
Dca distribution for (p_T , η) slices



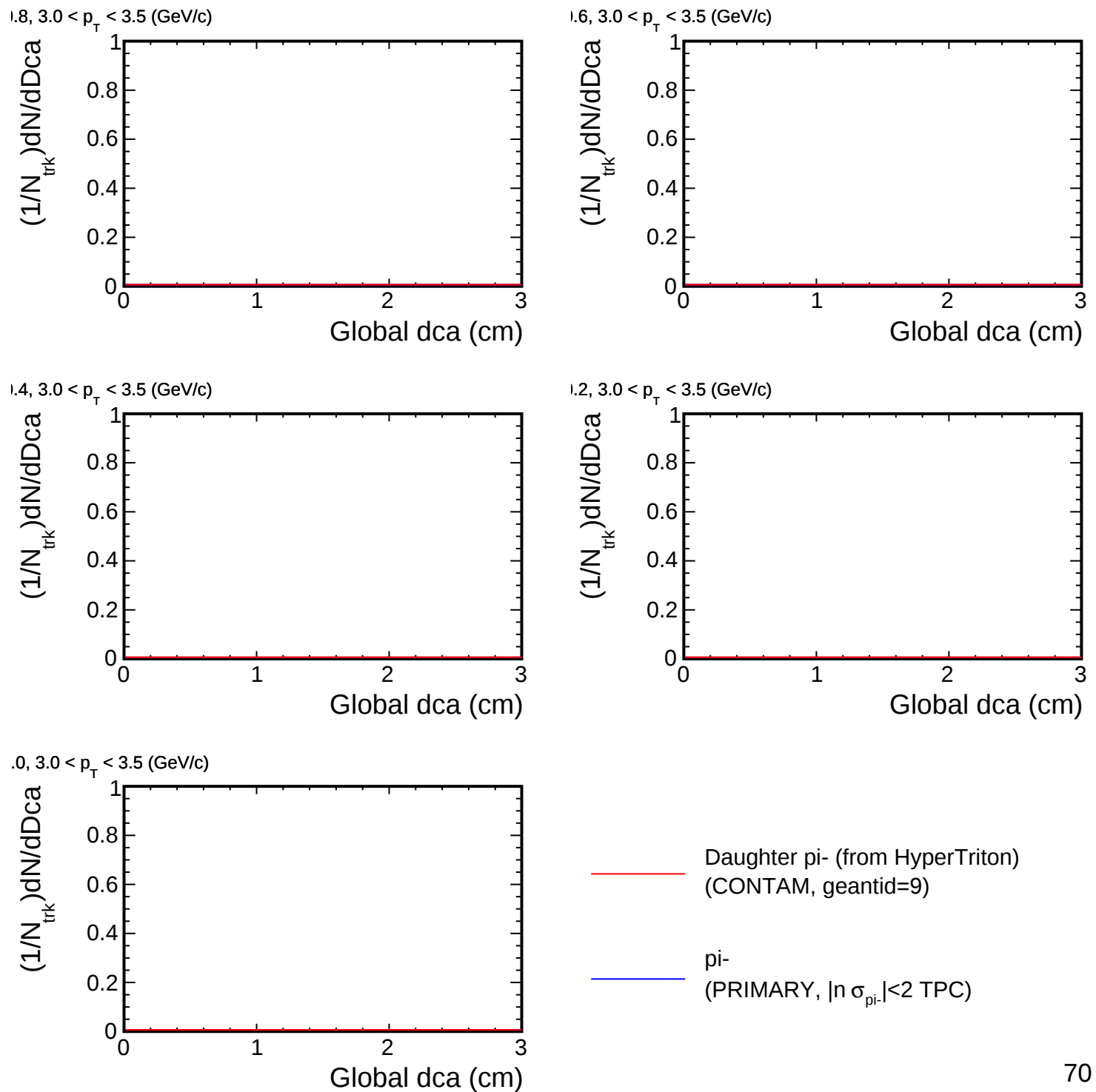
Dca distribution for (p_T , η) slices



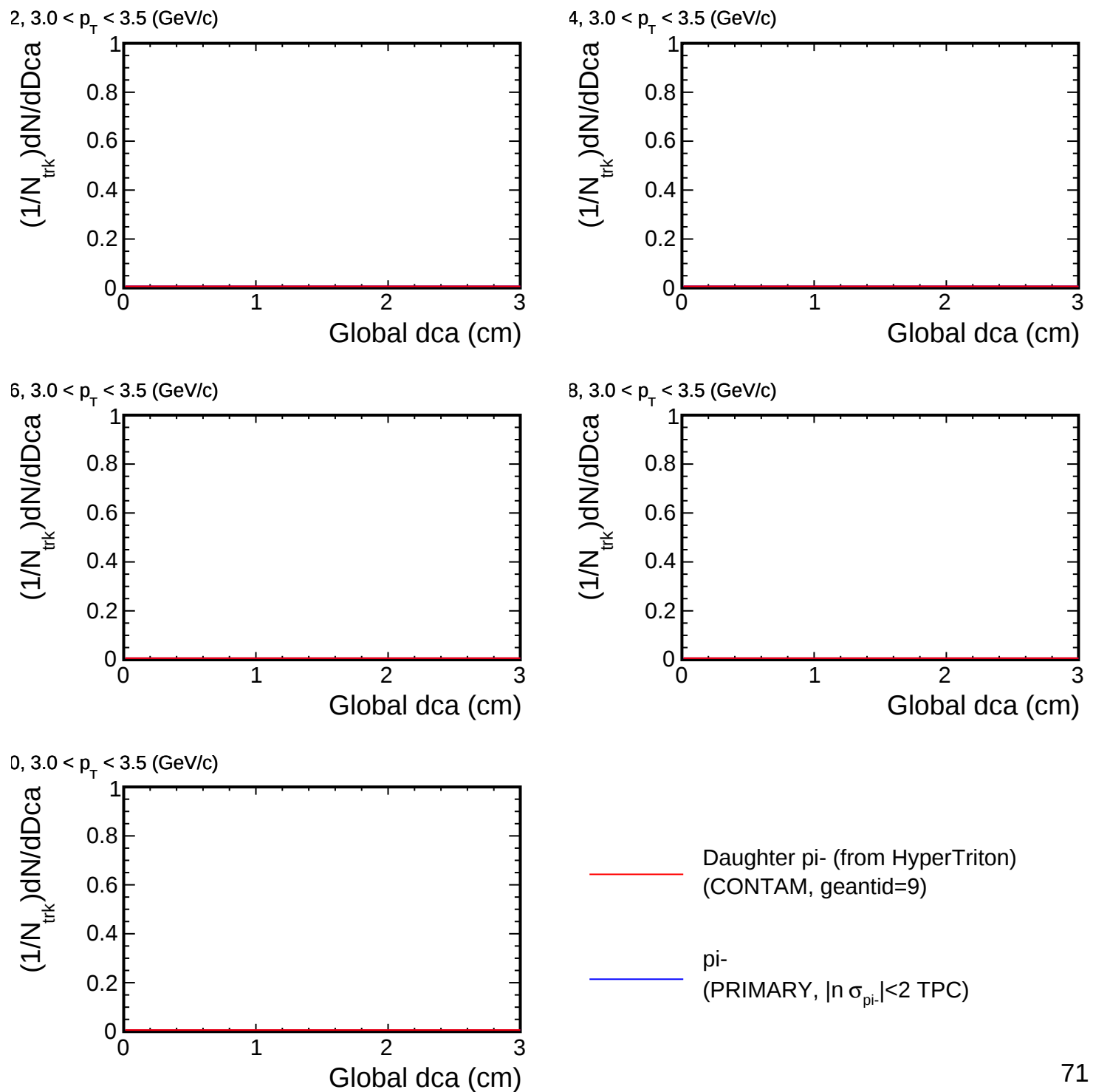
Dca distribution for (p_T , η) slices



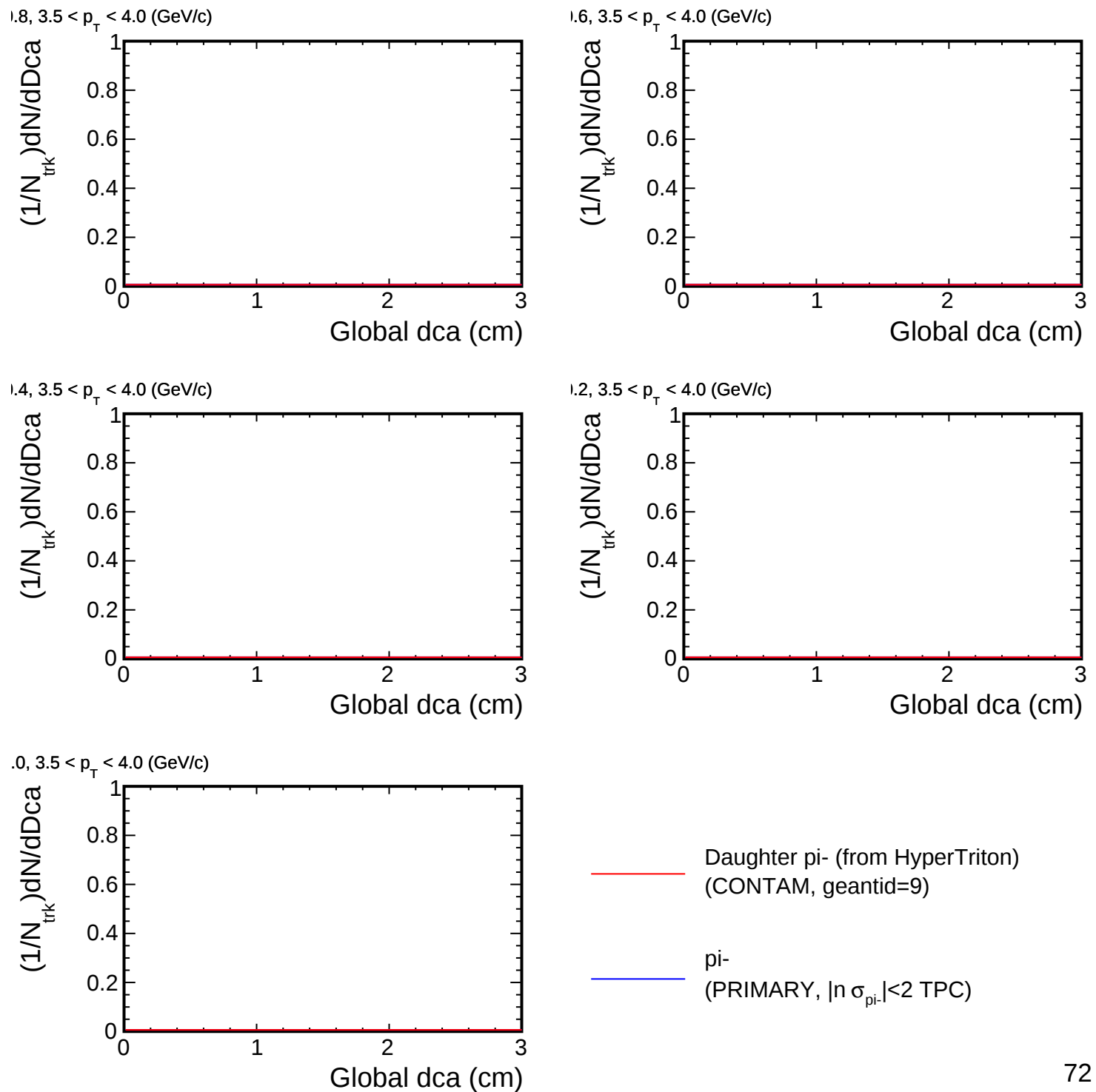
Dca distribution for (p_T , η) slices



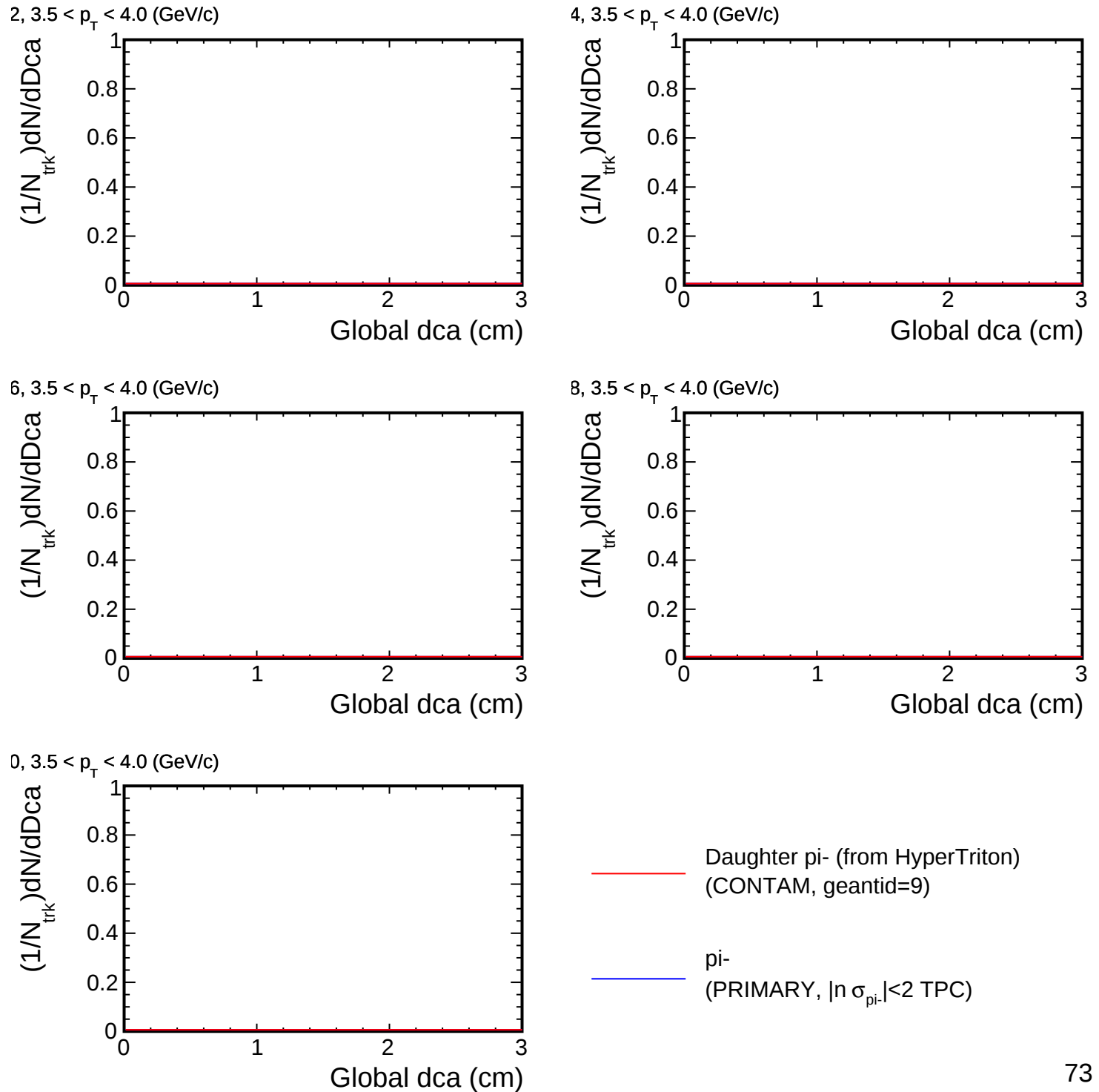
Dca distribution for (p_T , η) slices



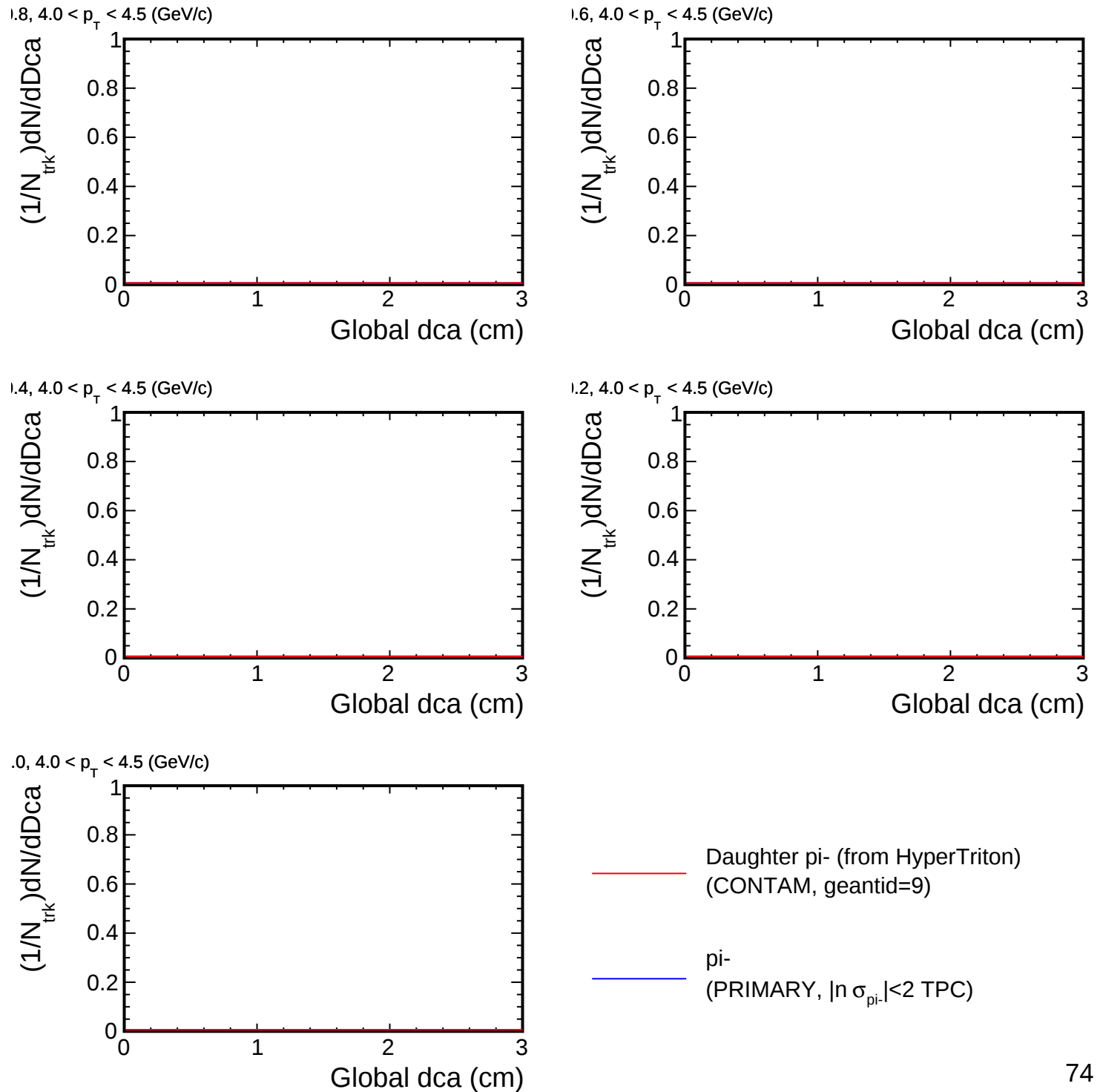
Dca distribution for (p_T , η) slices



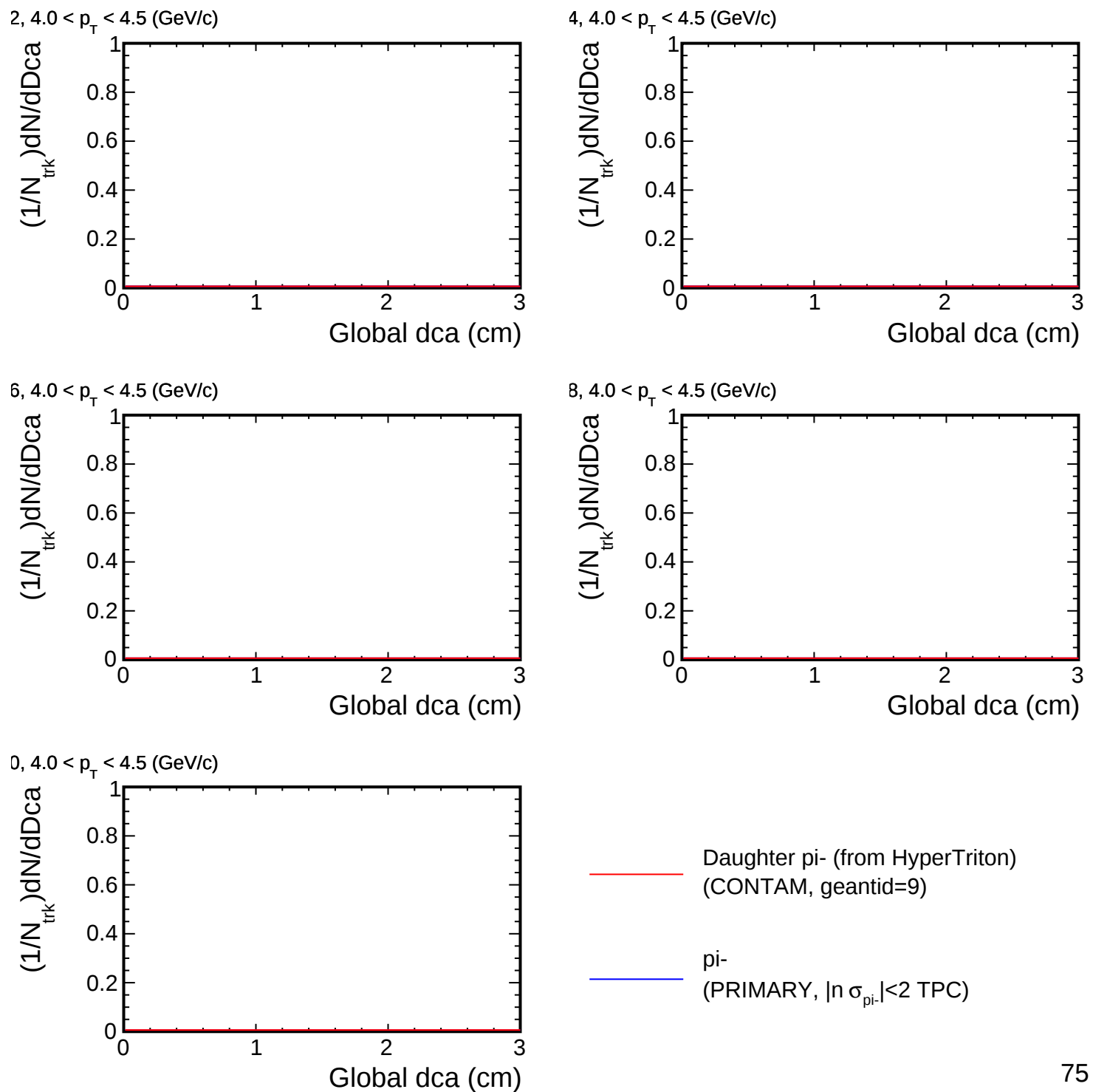
Dca distribution for (p_T , η) slices



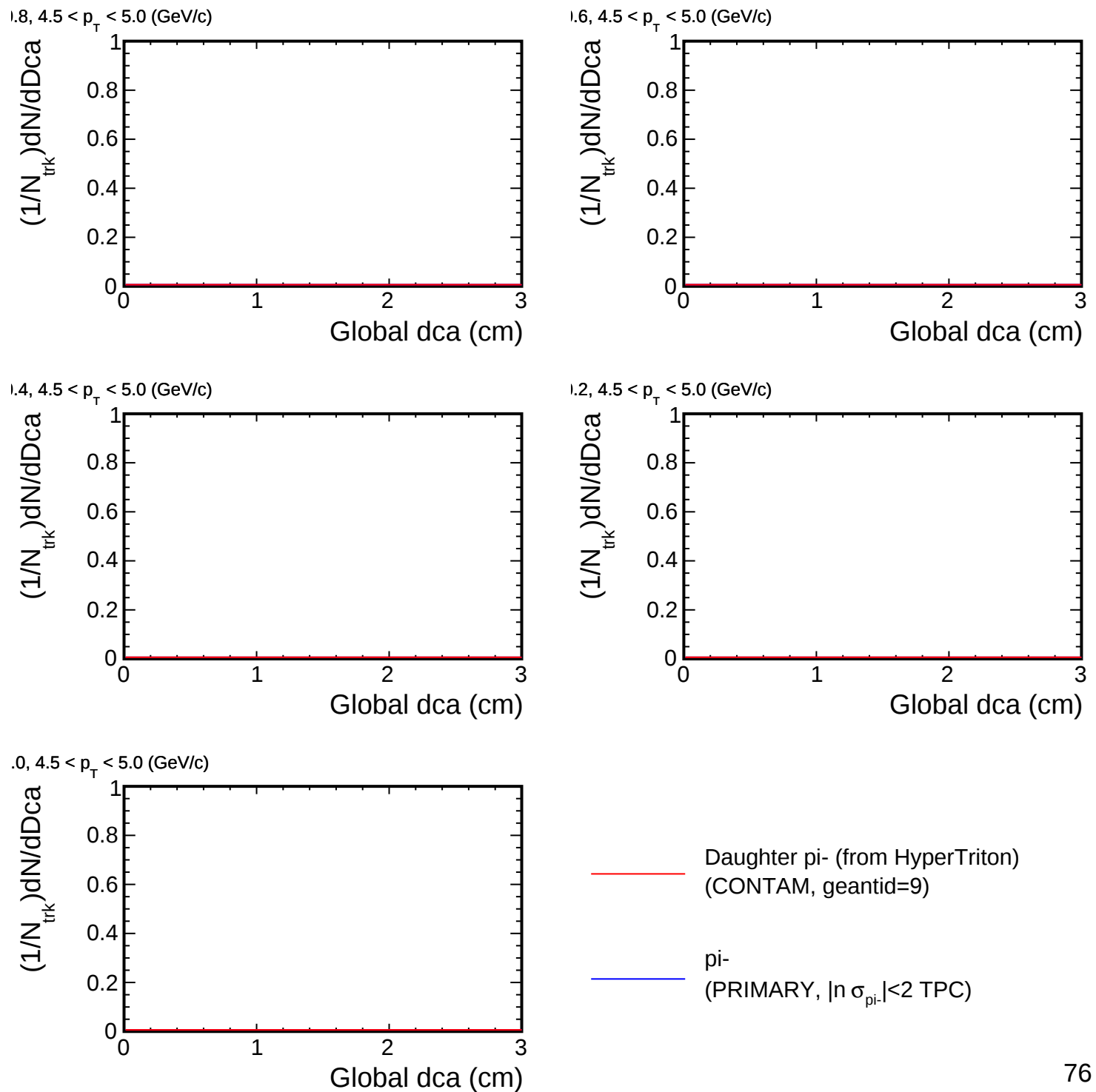
Dca distribution for (p_T , η) slices



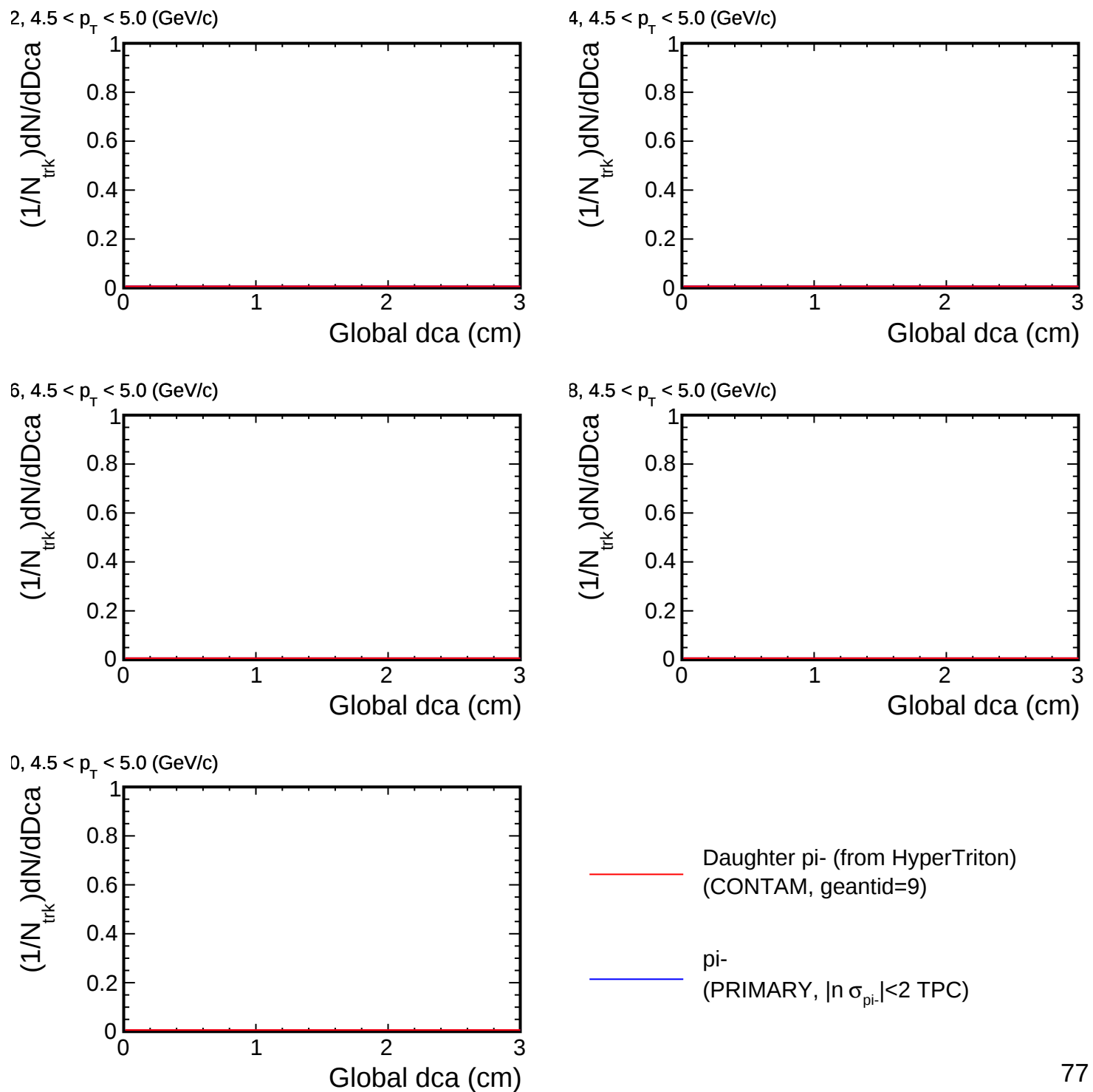
Dca distribution for (p_T , η) slices



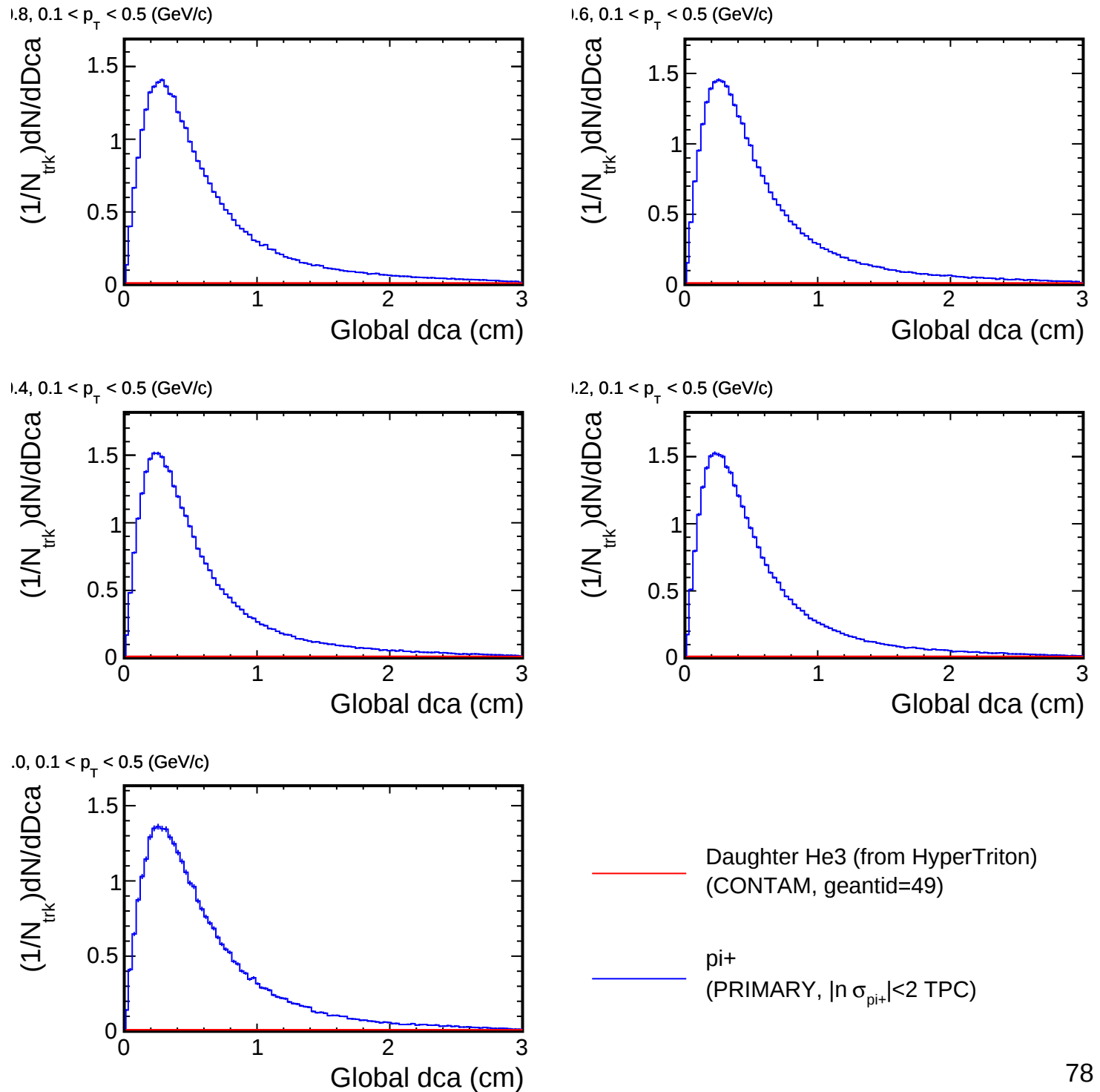
Dca distribution for (p_T , η) slices



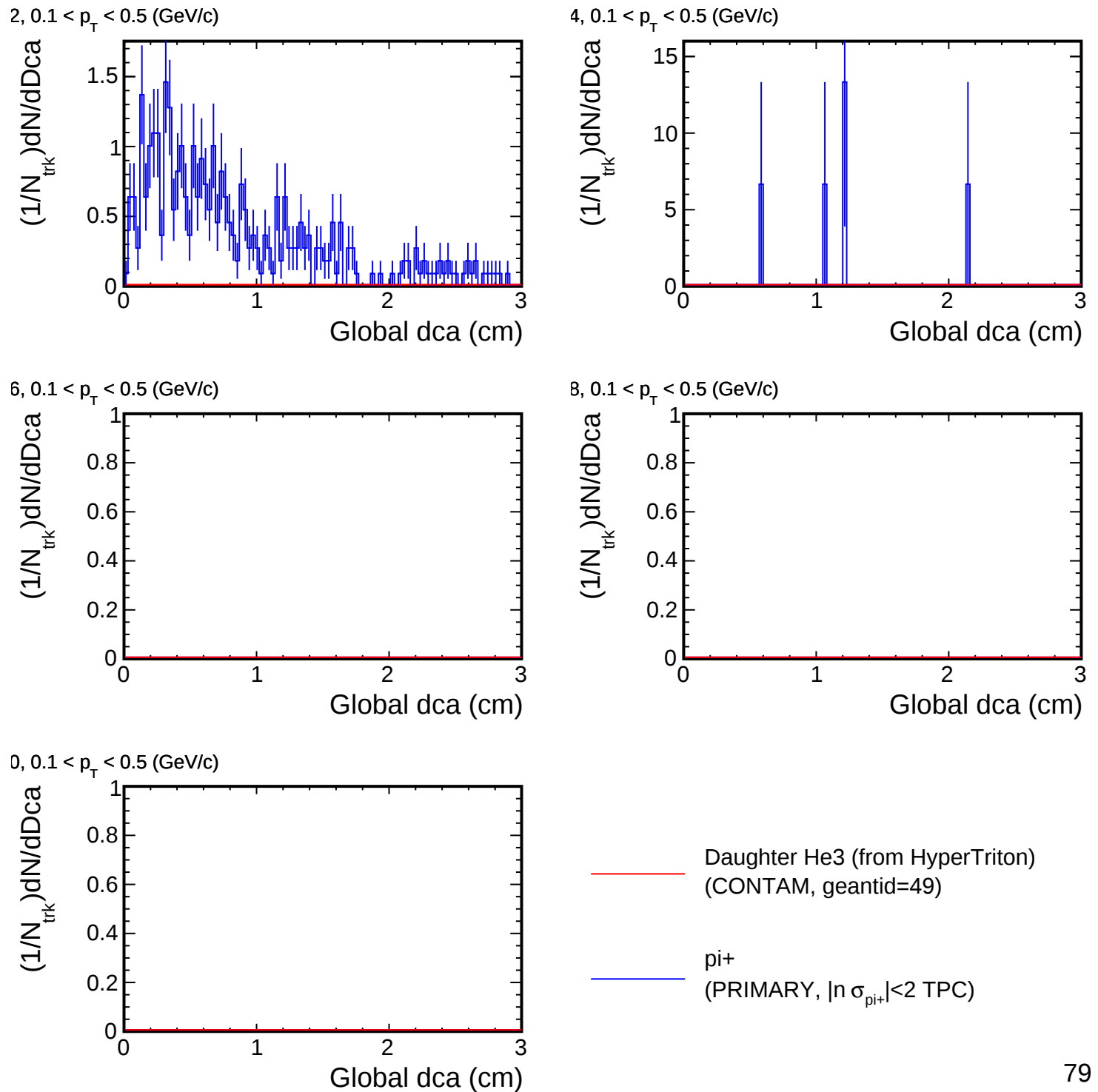
Dca distribution for (p_T , η) slices



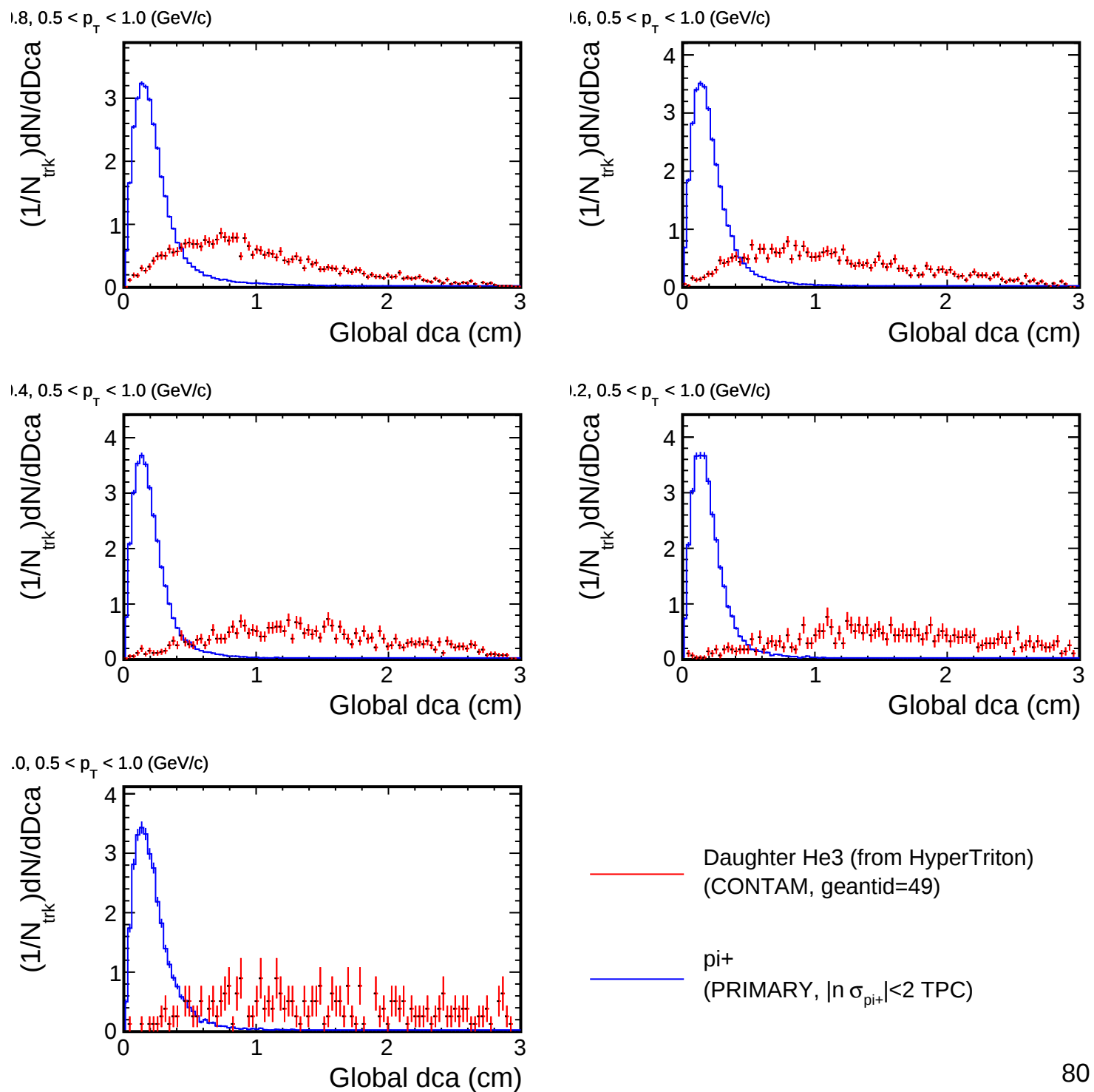
Dca distribution for (p_T , η) slices



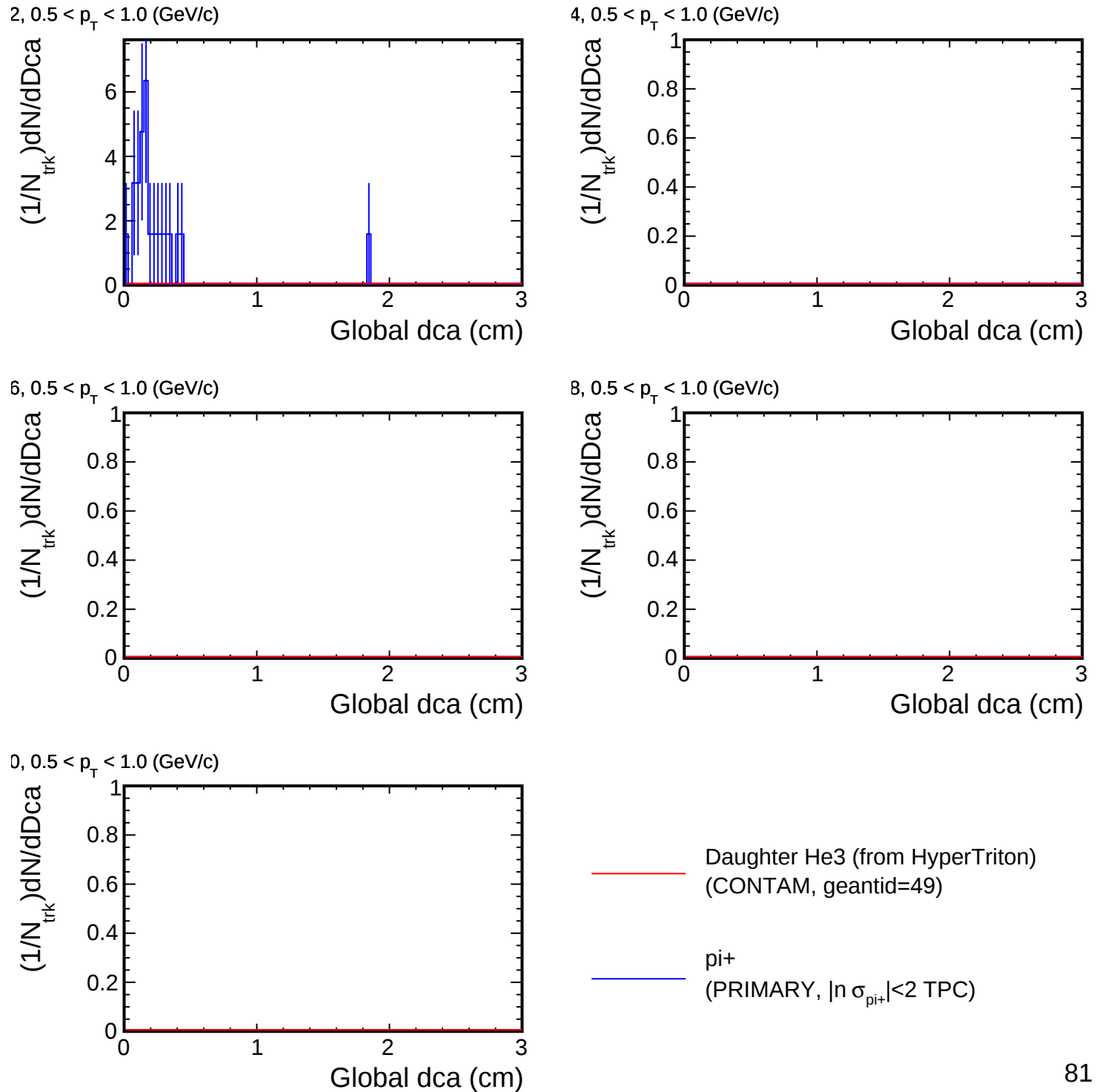
Dca distribution for (p_T , η) slices



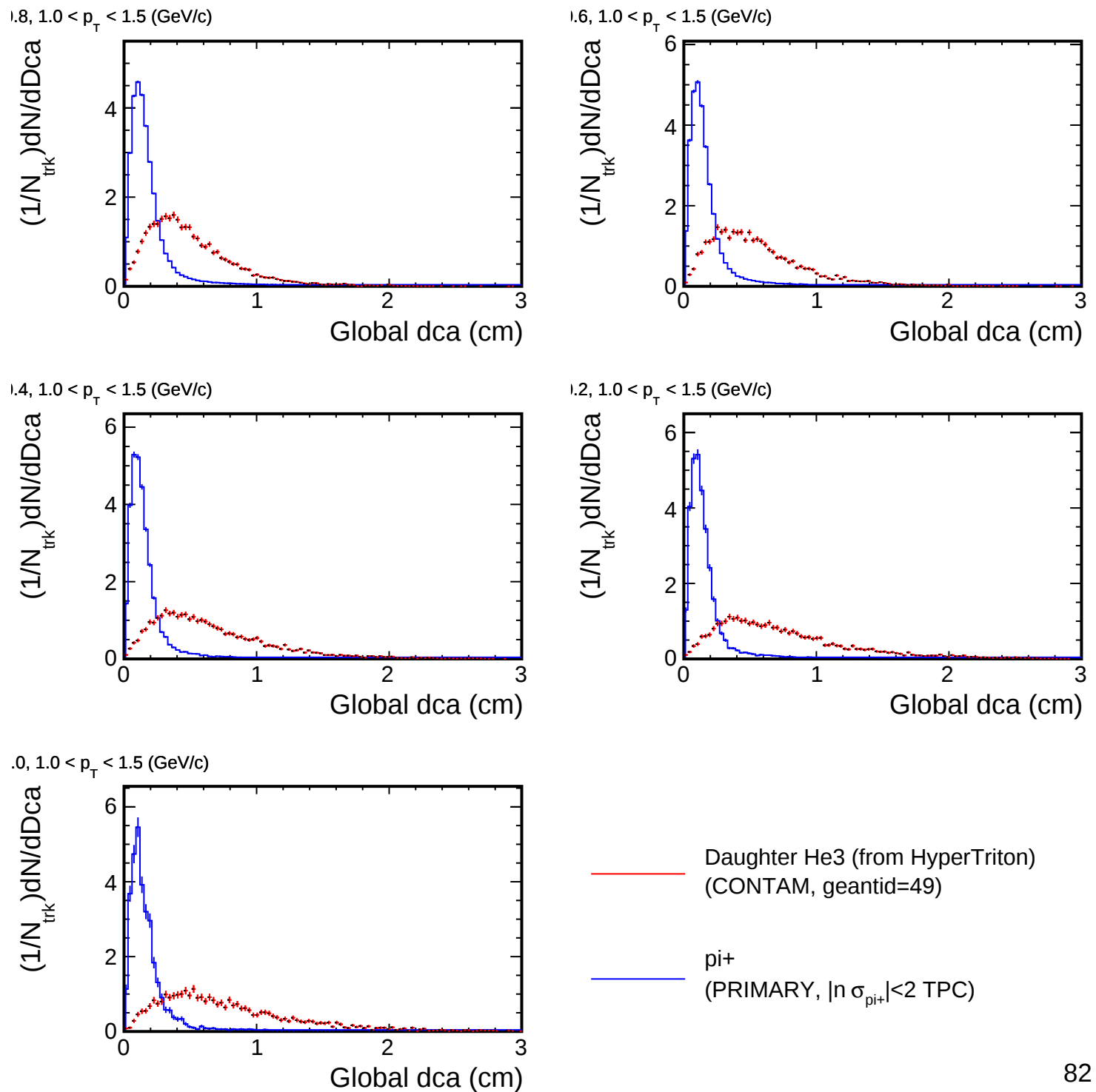
Dca distribution for (p_T , η) slices



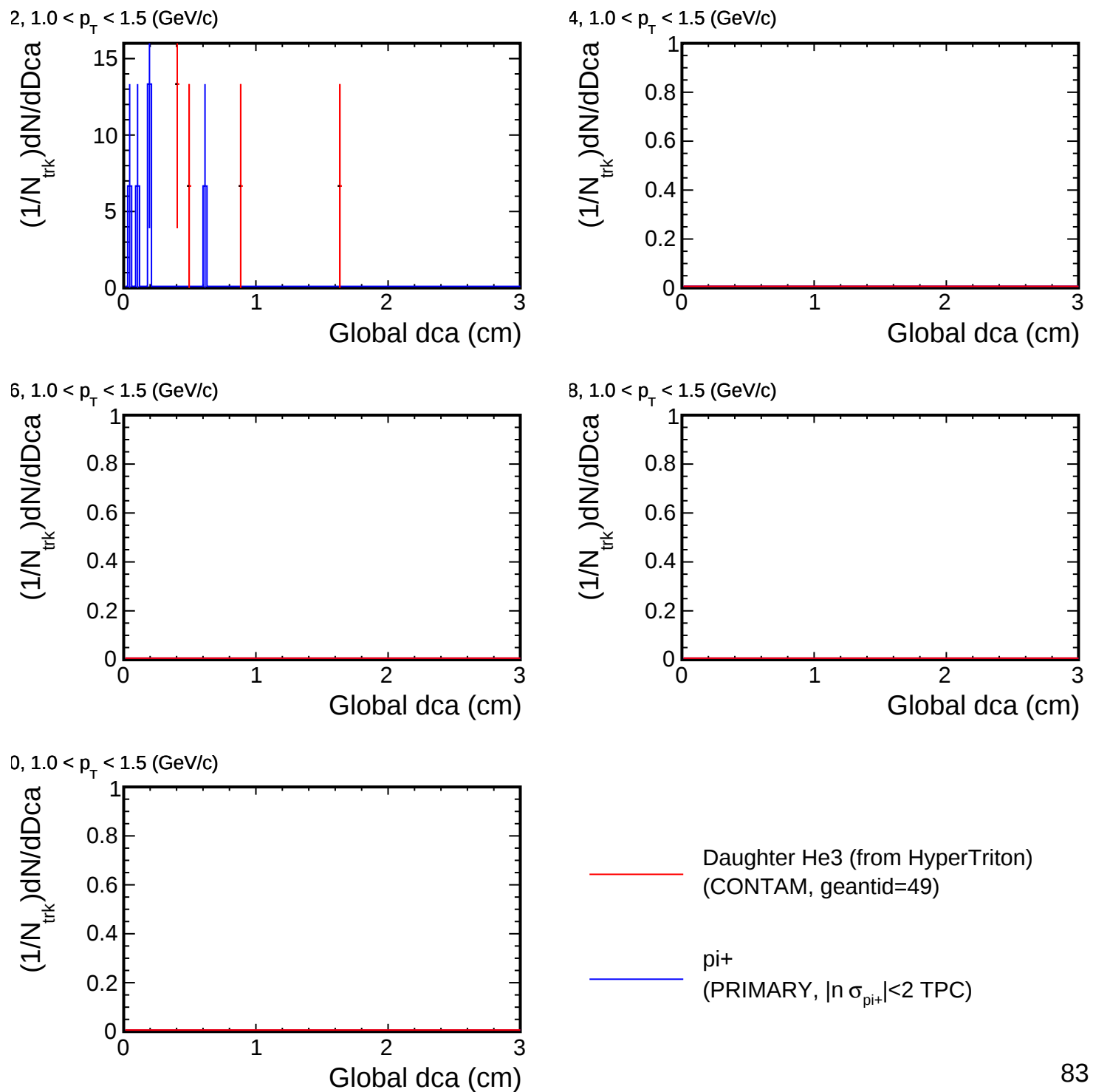
Dca distribution for (p_T , η) slices



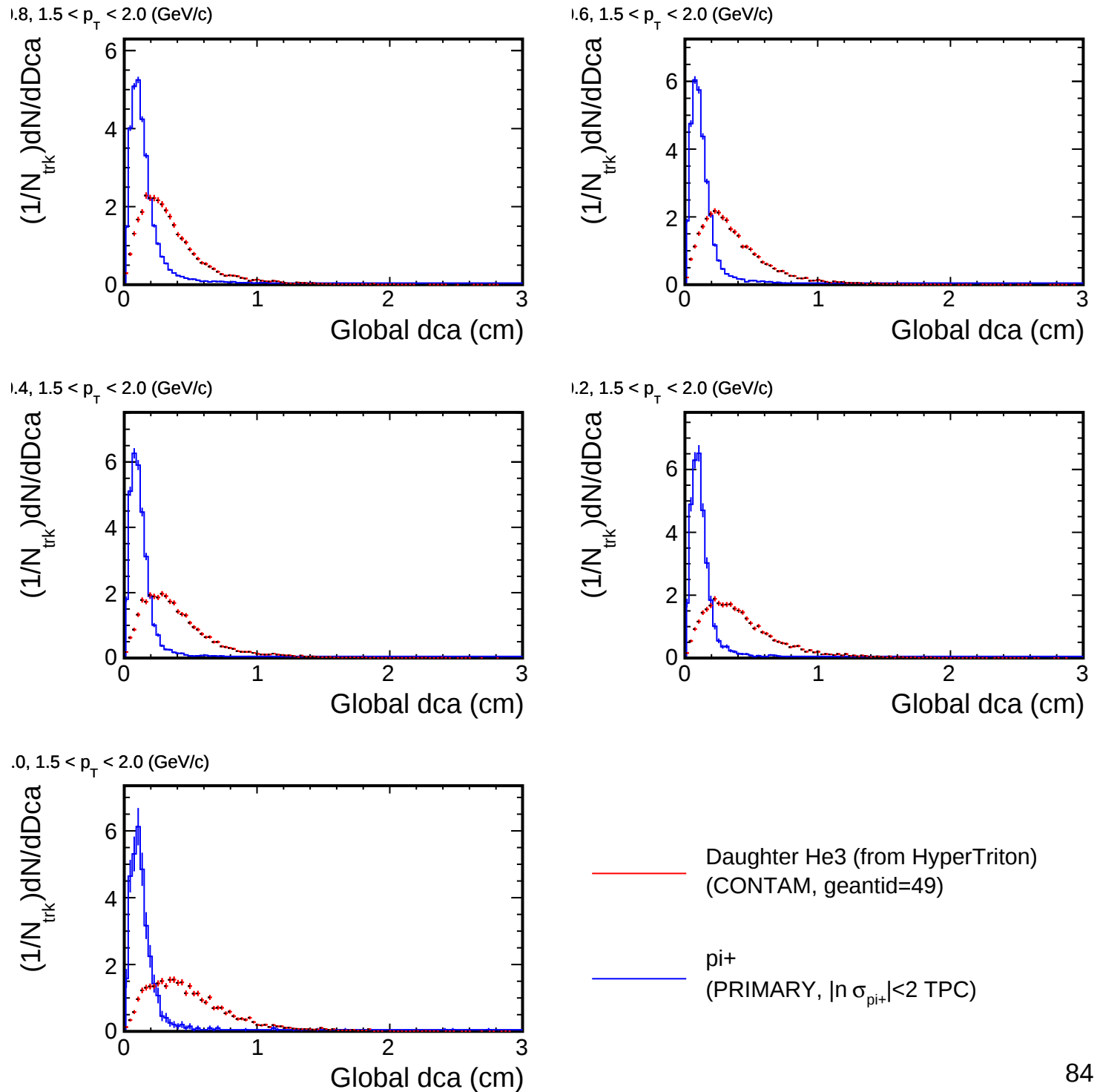
Dca distribution for (p_T , η) slices



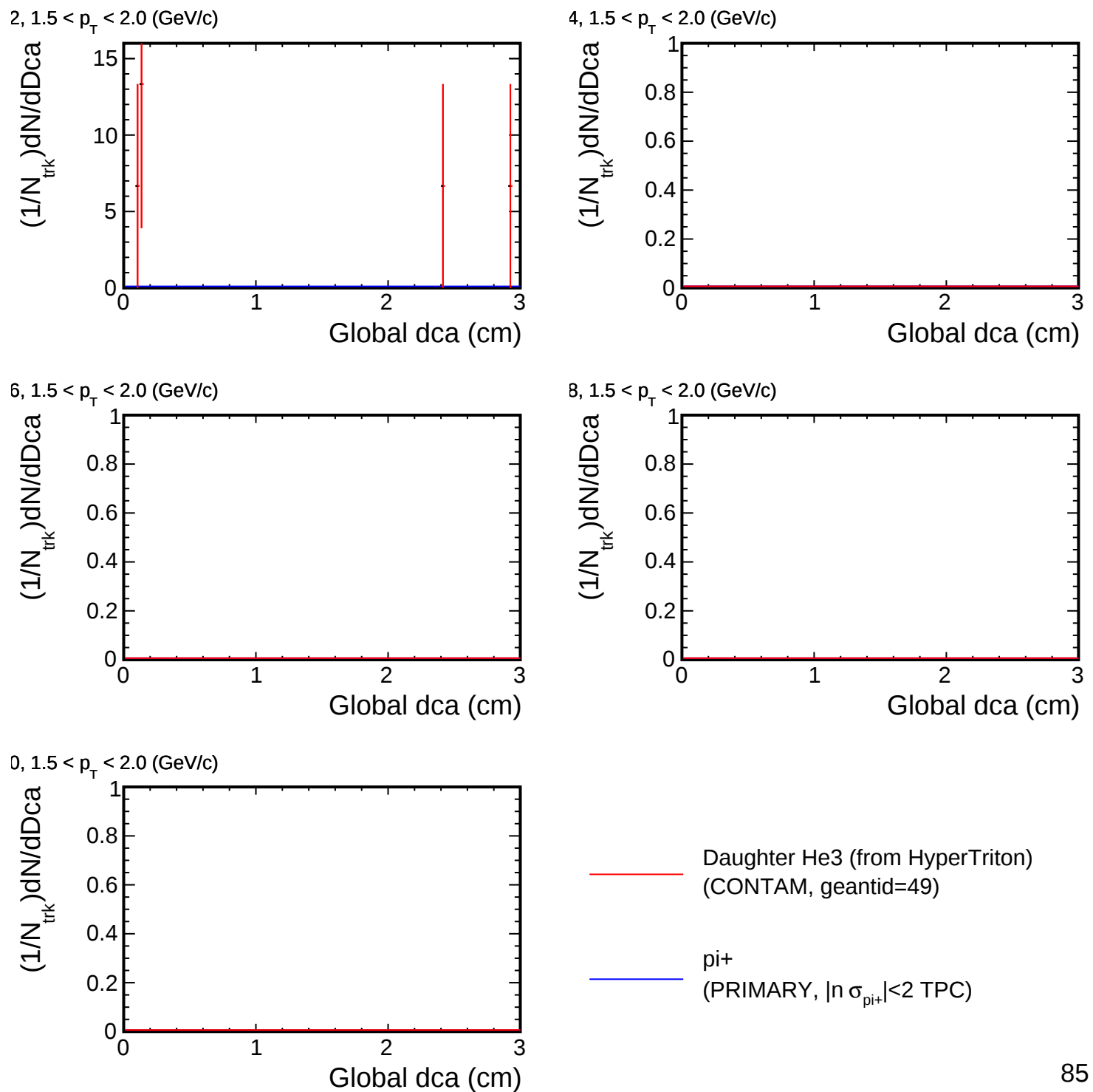
Dca distribution for (p_T , η) slices



Dca distribution for (p_T , η) slices

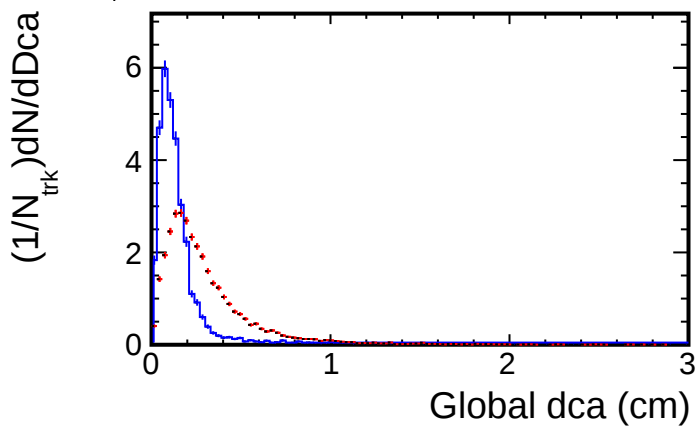


Dca distribution for (p_T , η) slices

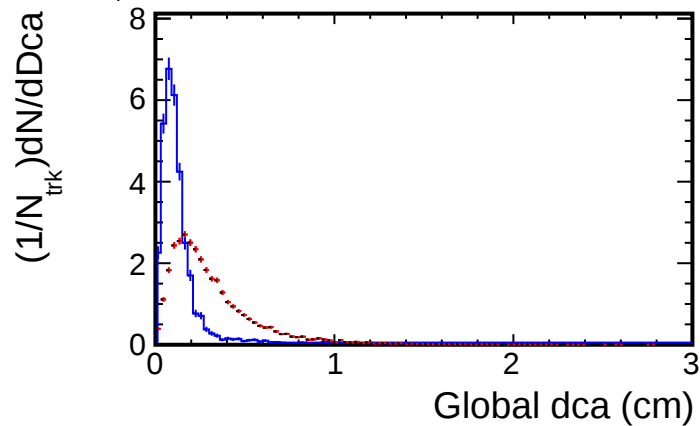


Dca distribution for (p_T , η) slices

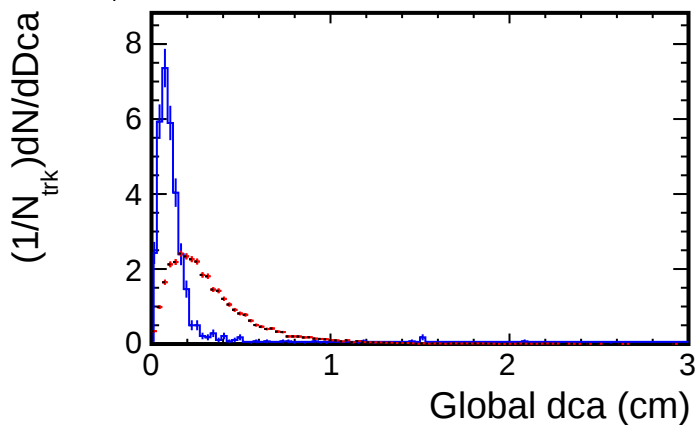
1.8, $2.0 < p_T < 2.5$ (GeV/c)



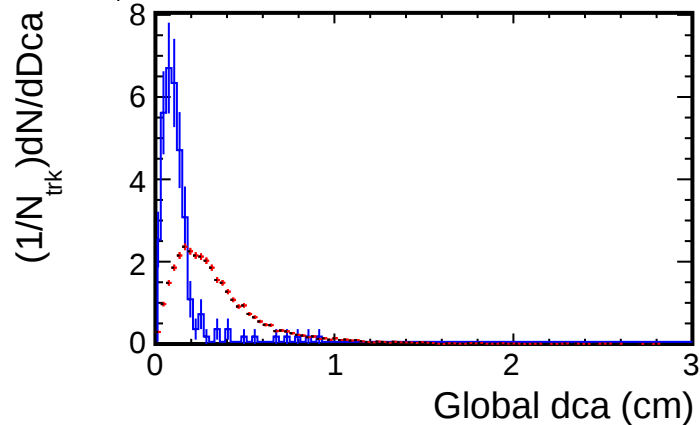
1.6, $2.0 < p_T < 2.5$ (GeV/c)



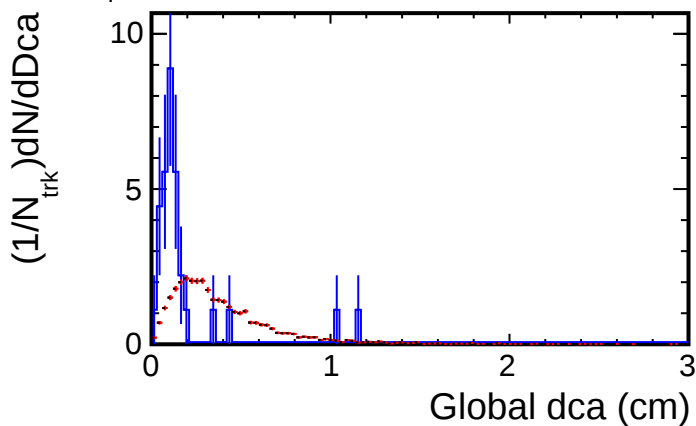
1.4, $2.0 < p_T < 2.5$ (GeV/c)



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



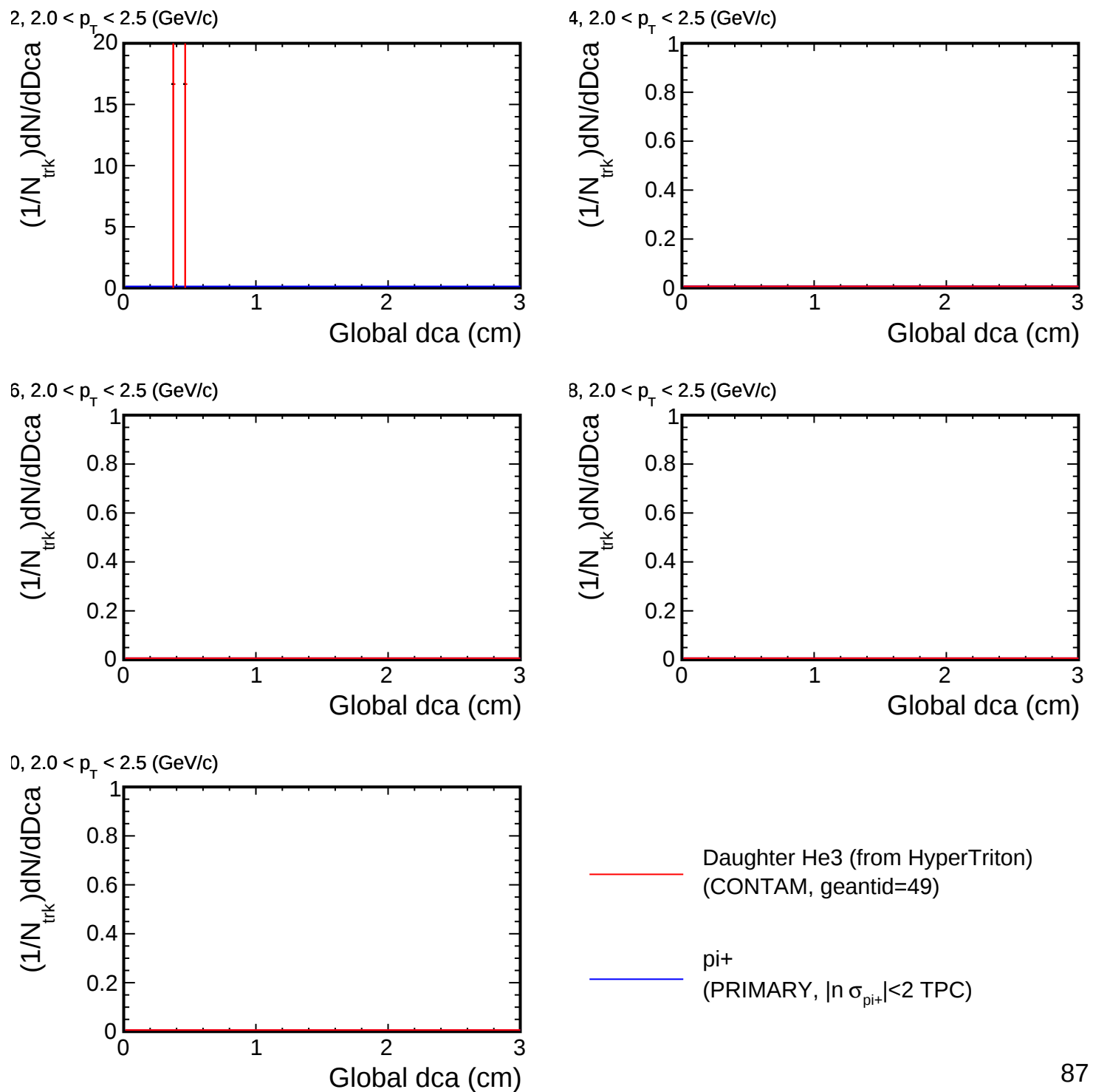
1.0, $2.0 < p_T < 2.5$ (GeV/c)



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

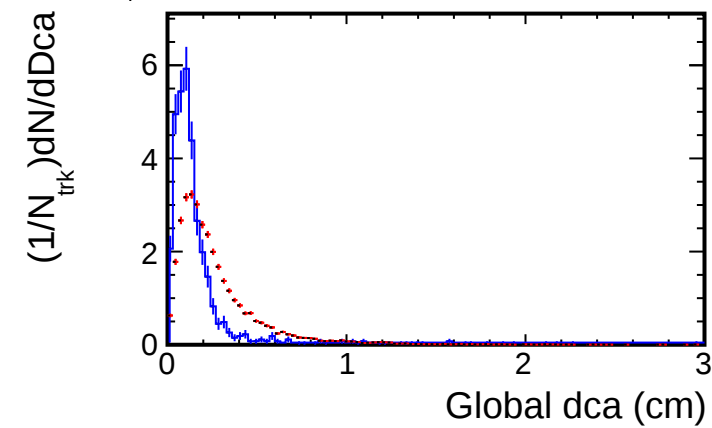
— π^+
(PRIMARY, $|\ln \sigma_{\pi^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices

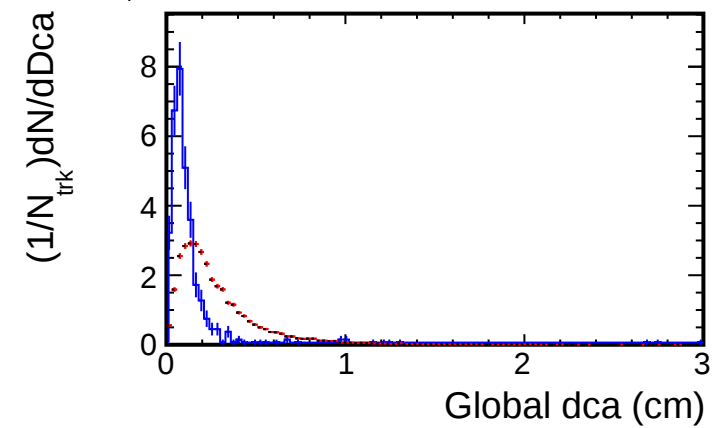


Dca distribution for (p_T , η) slices

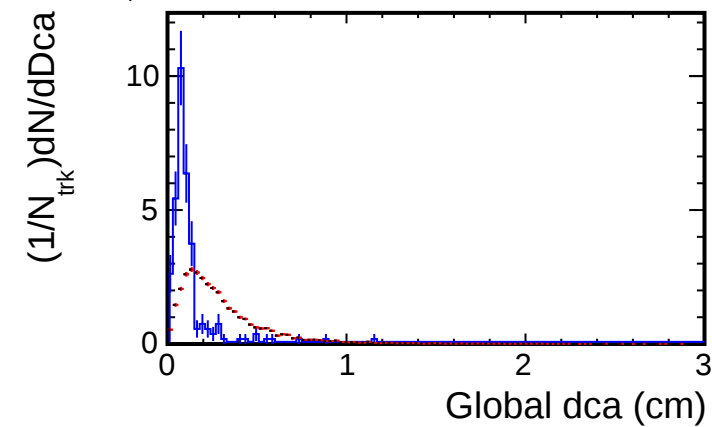
1.8, $2.5 < p_T < 3.0$ (GeV/c)



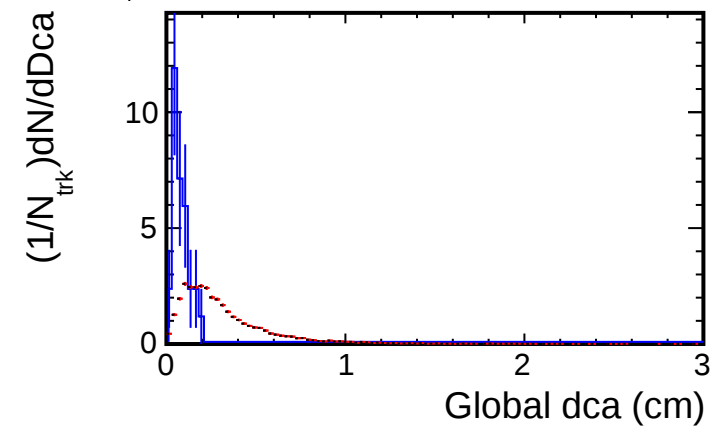
1.6, $2.5 < p_T < 3.0$ (GeV/c)



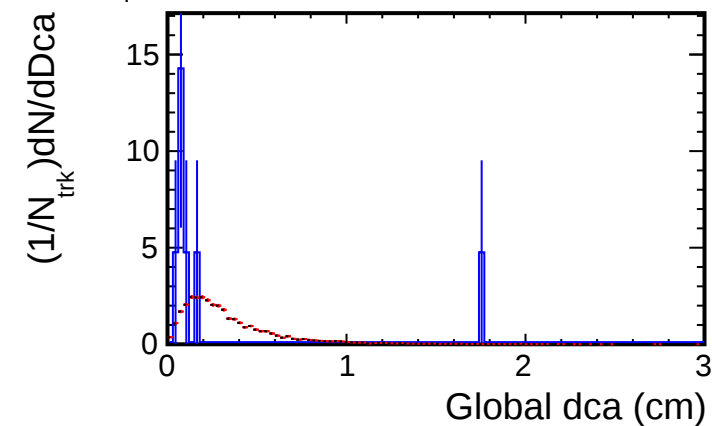
1.4, $2.5 < p_T < 3.0$ (GeV/c)



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



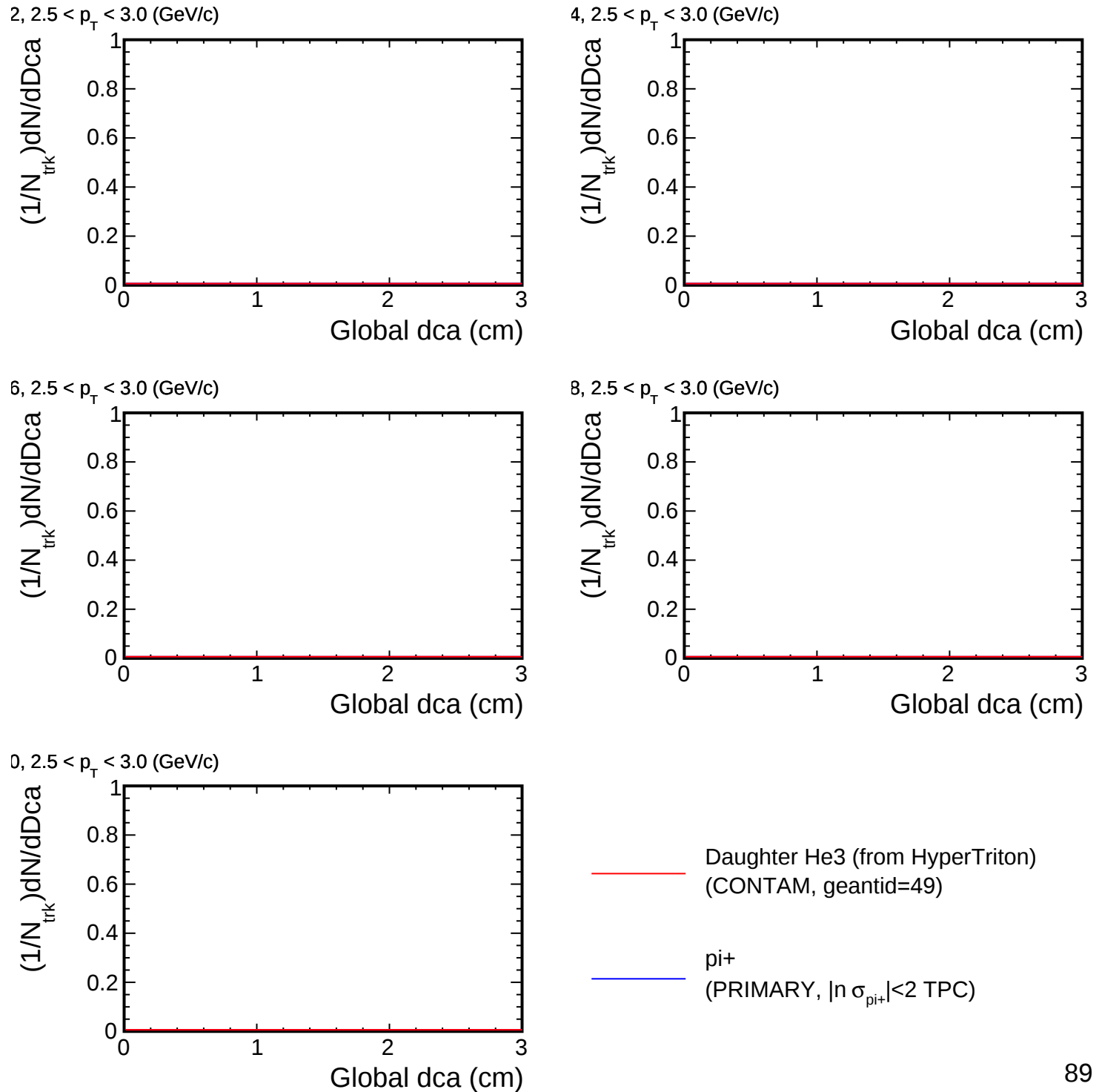
1.0, $2.5 < p_T < 3.0$ (GeV/c)



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

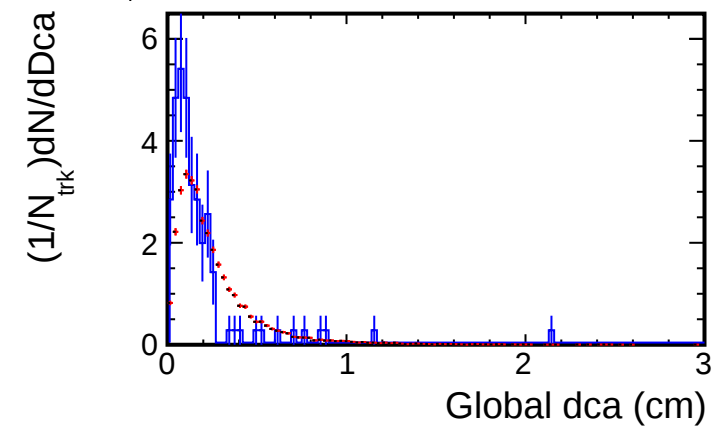
— π^+
(PRIMARY, $|\ln \sigma_{\pi^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices

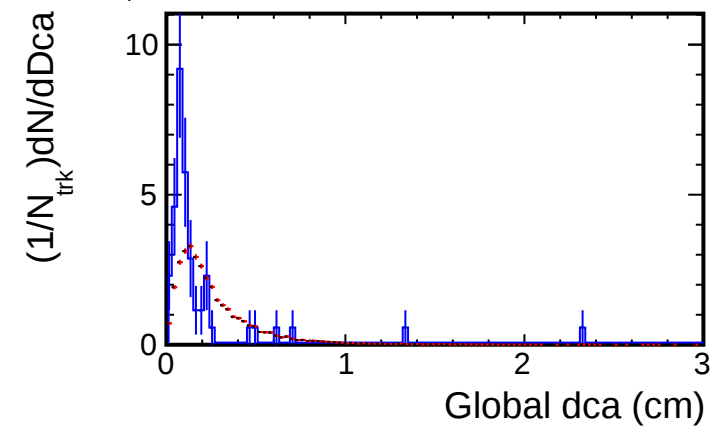


Dca distribution for (p_T , η) slices

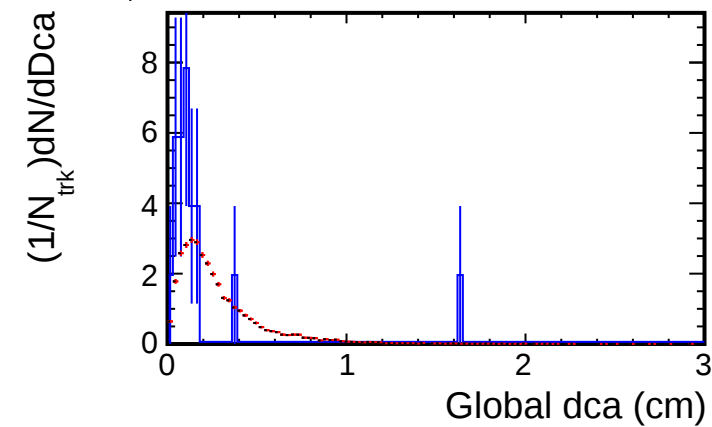
1.8, $3.0 < p_T < 3.5$ (GeV/c)



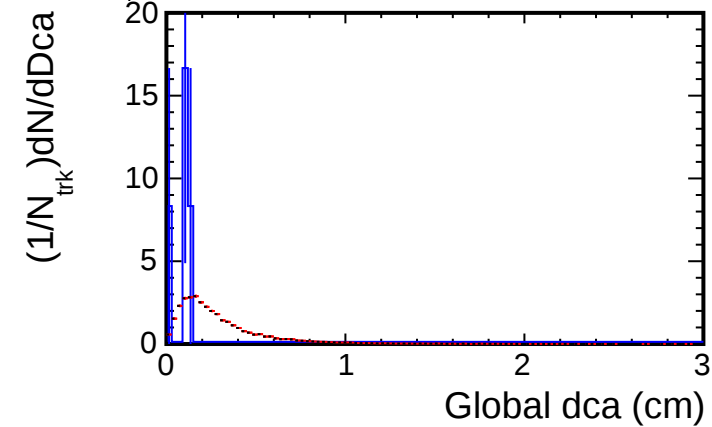
1.6, $3.0 < p_T < 3.5$ (GeV/c)



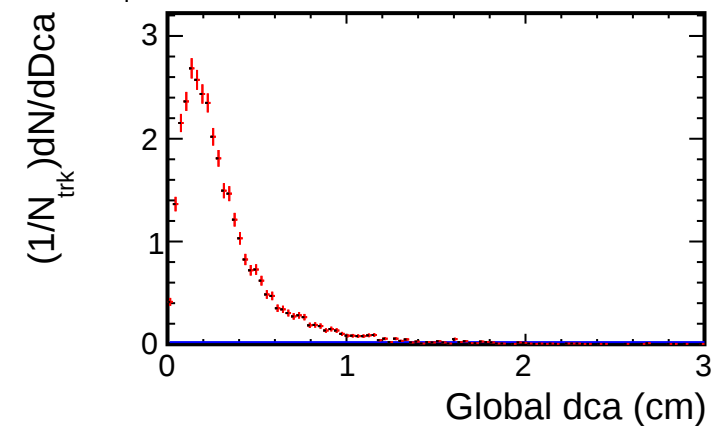
1.4, $3.0 < p_T < 3.5$ (GeV/c)



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



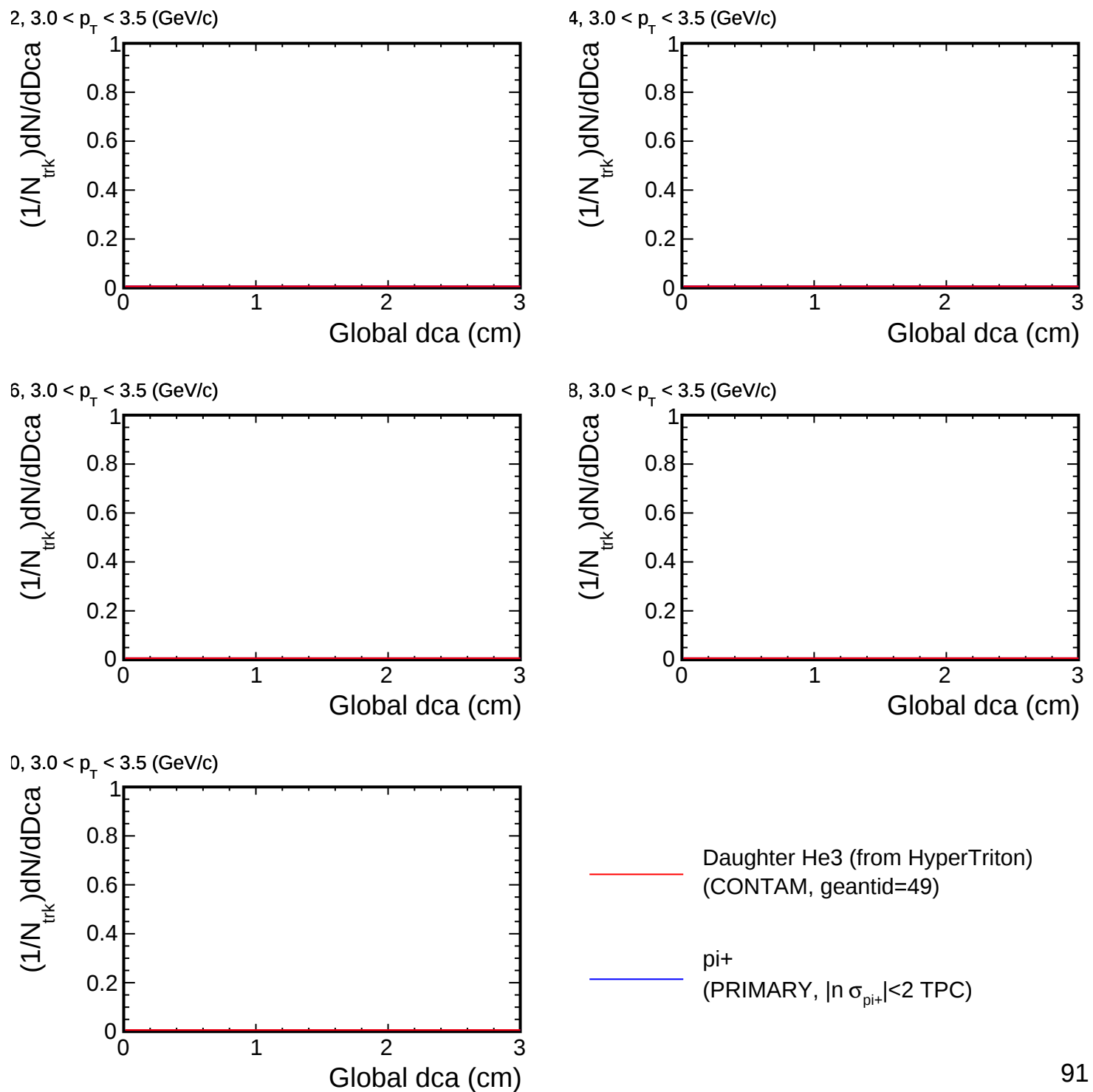
1.0, $3.0 < p_T < 3.5$ (GeV/c)



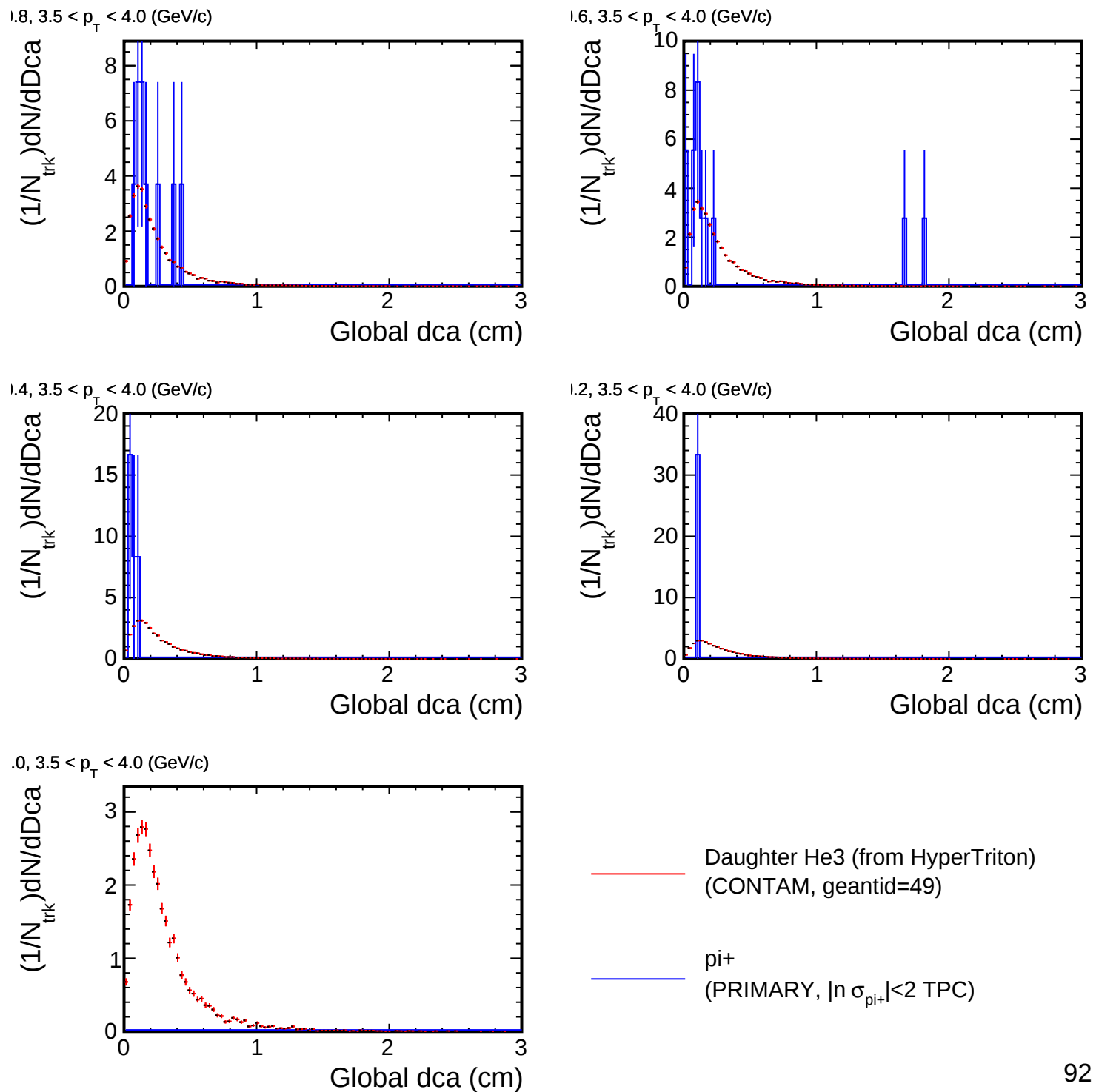
— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

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

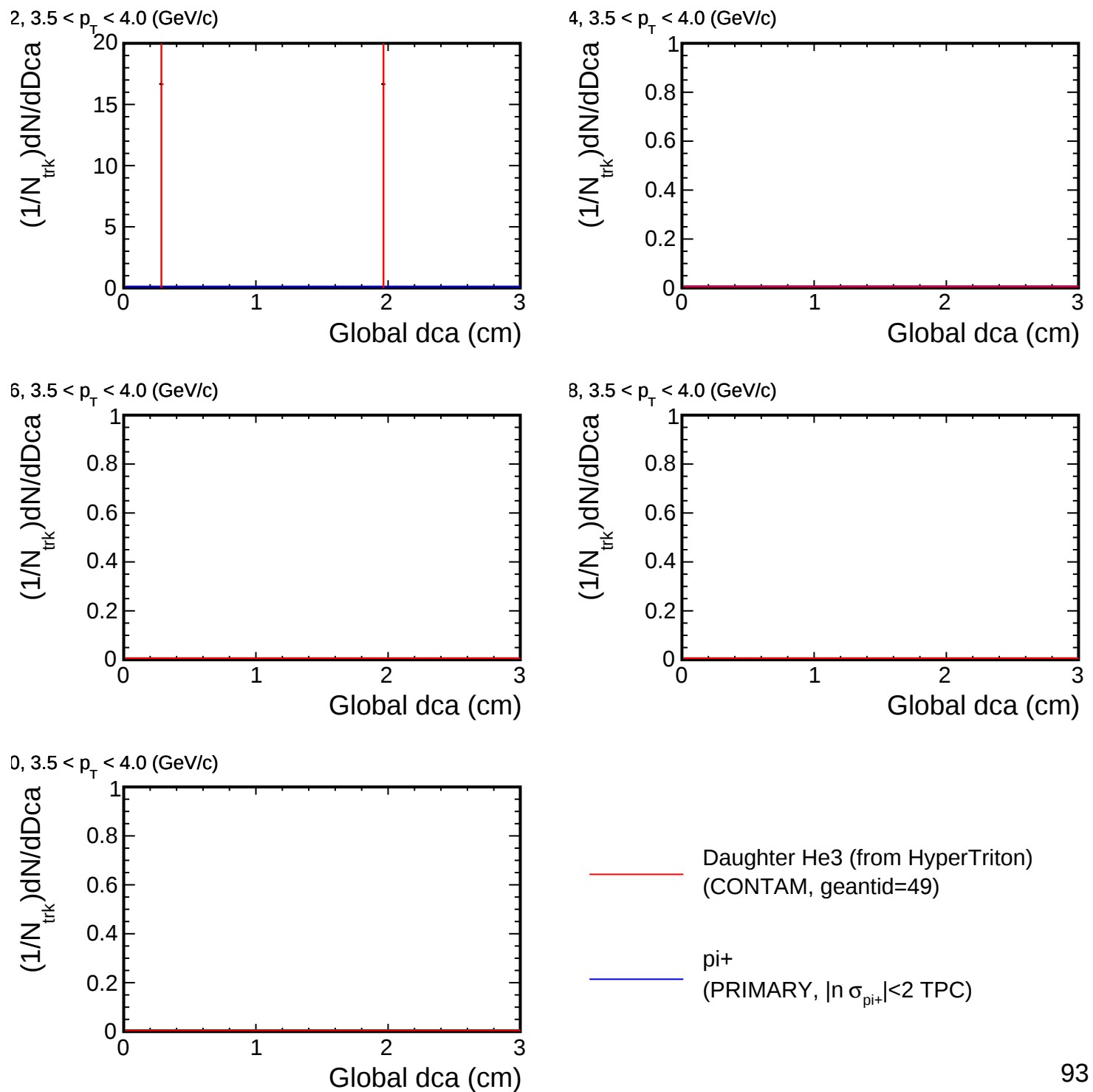
Dca distribution for (p_T , η) slices



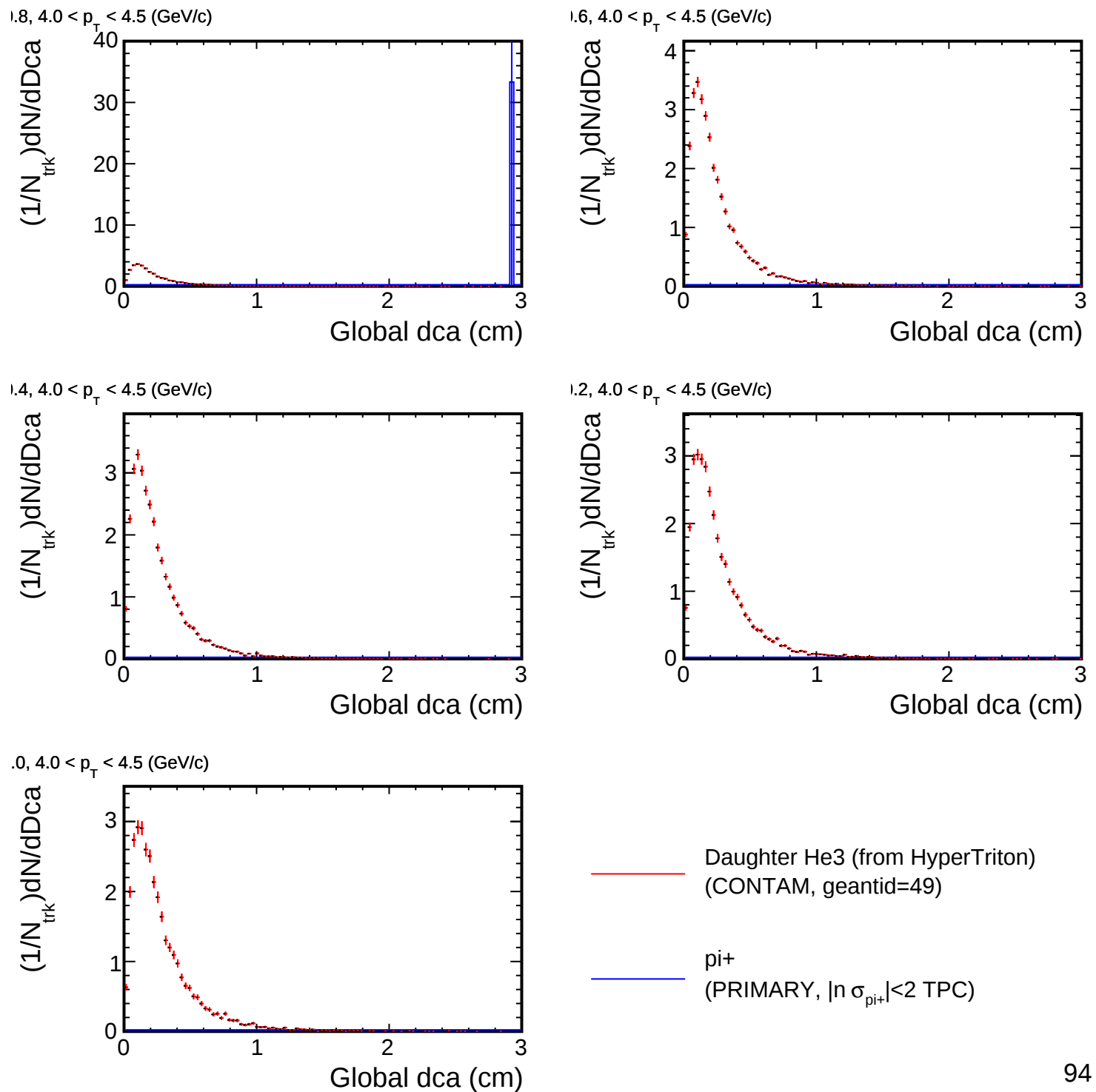
Dca distribution for (p_T , η) slices



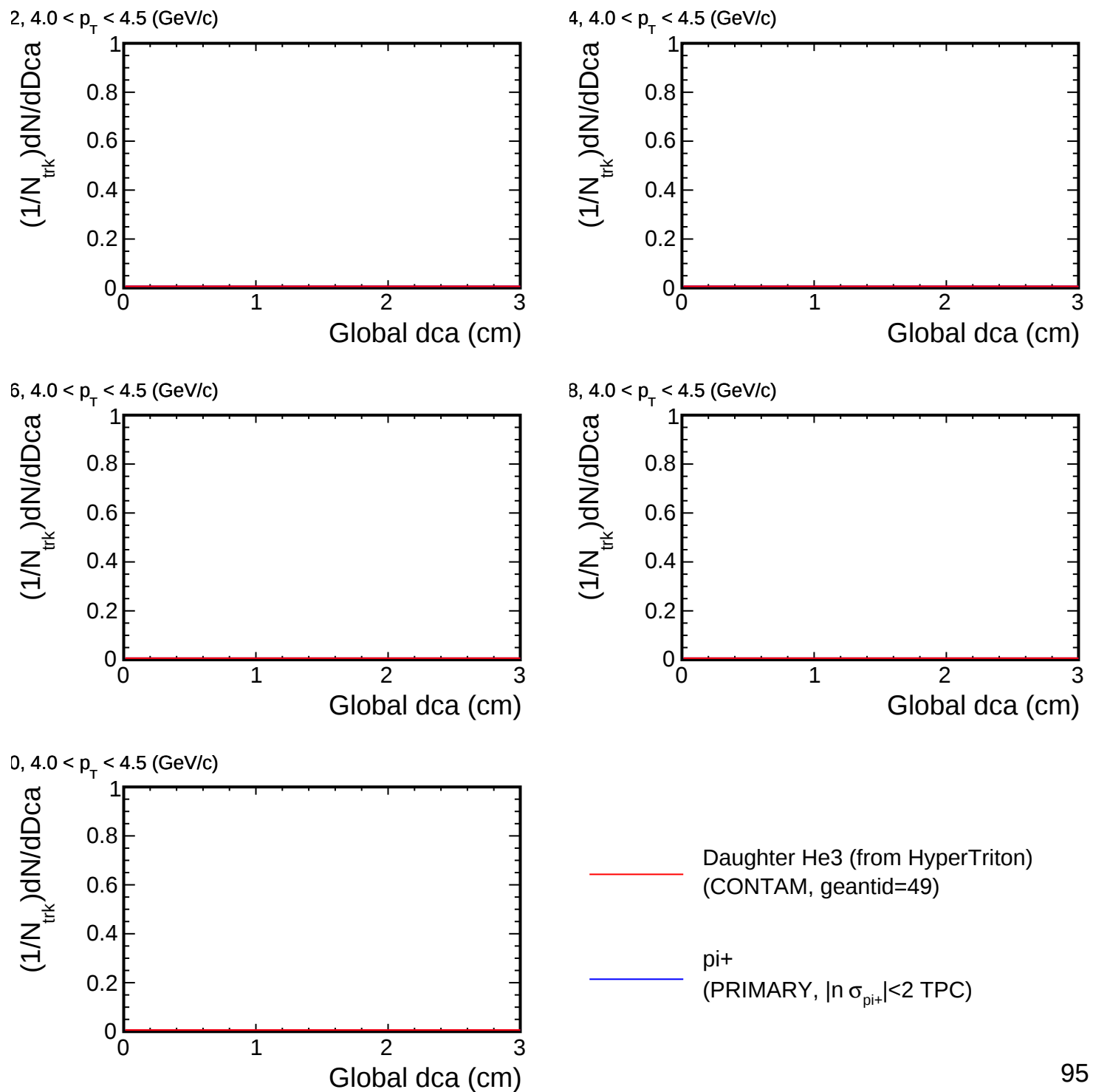
Dca distribution for (p_T , η) slices



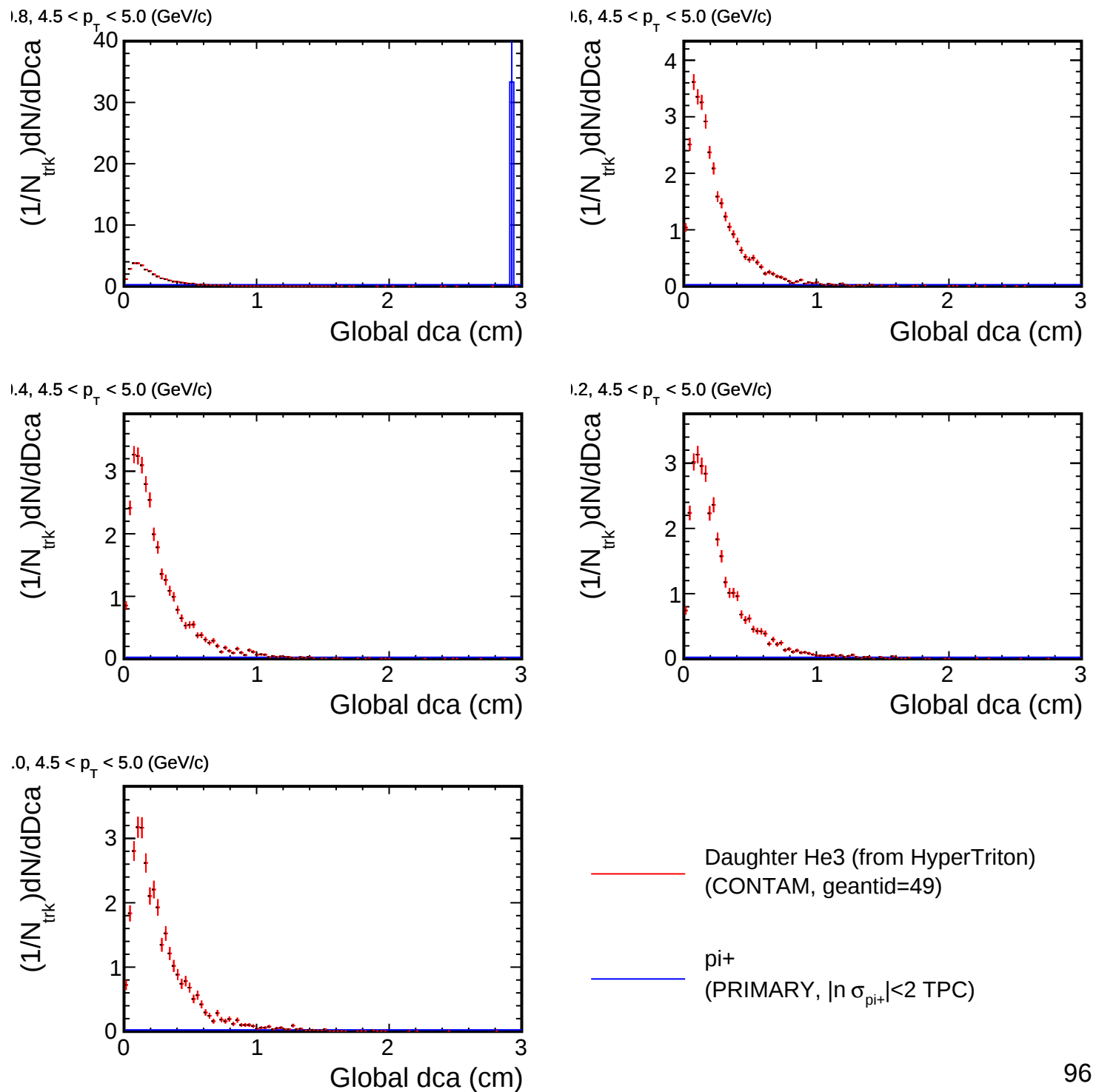
Dca distribution for (p_T , η) slices



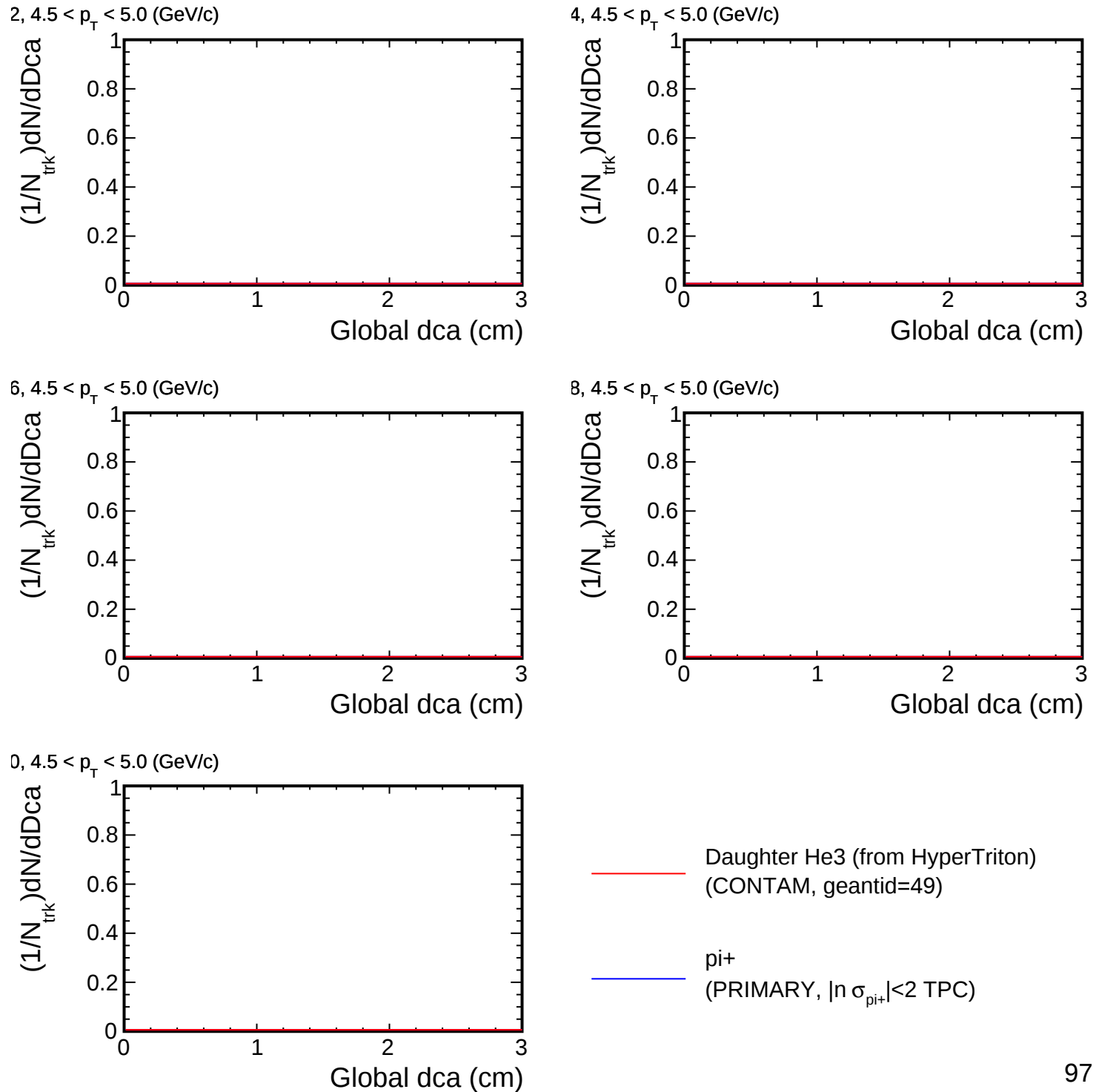
Dca distribution for (p_T , η) slices



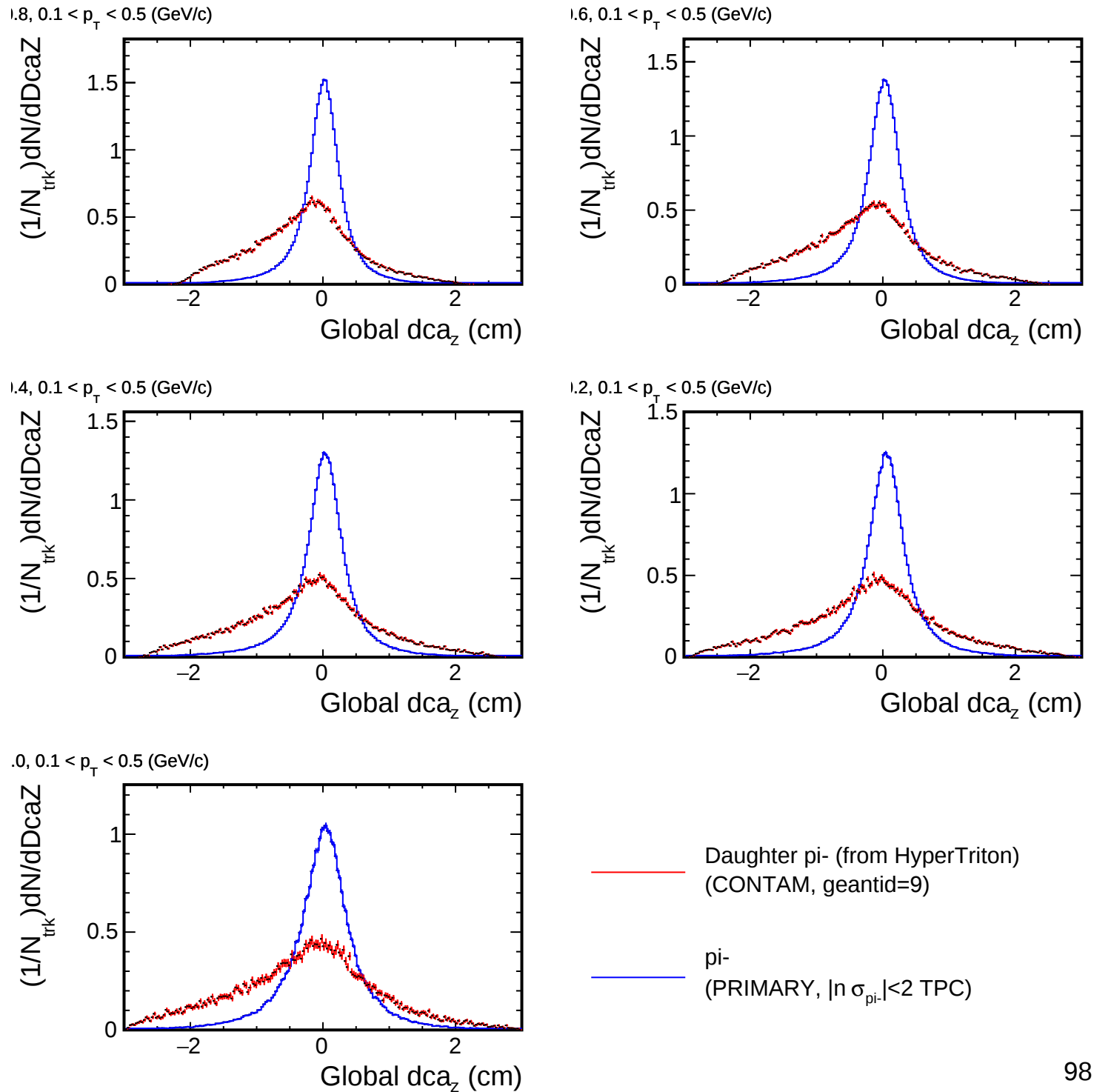
Dca distribution for (p_T , η) slices



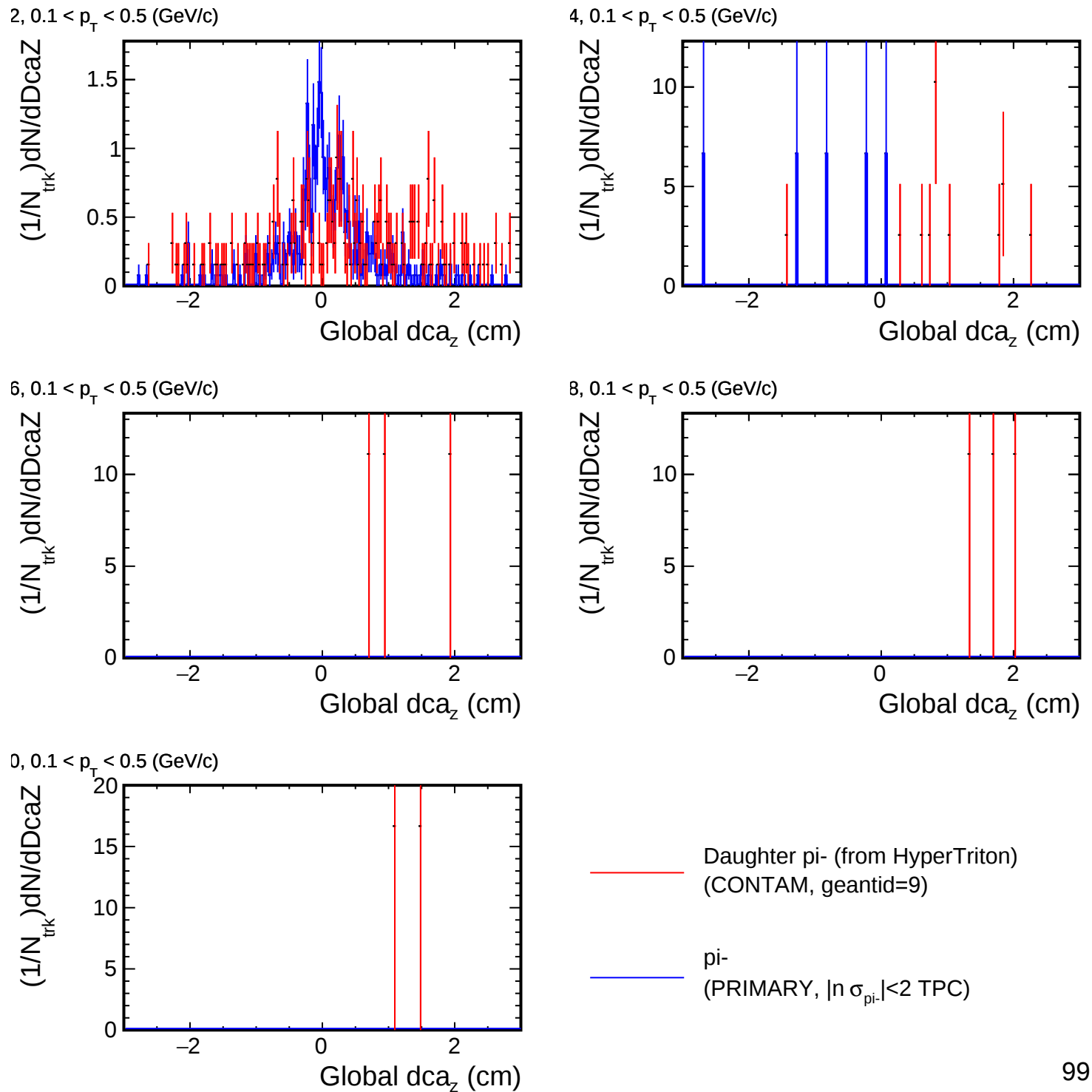
Dca distribution for (p_T , η) slices



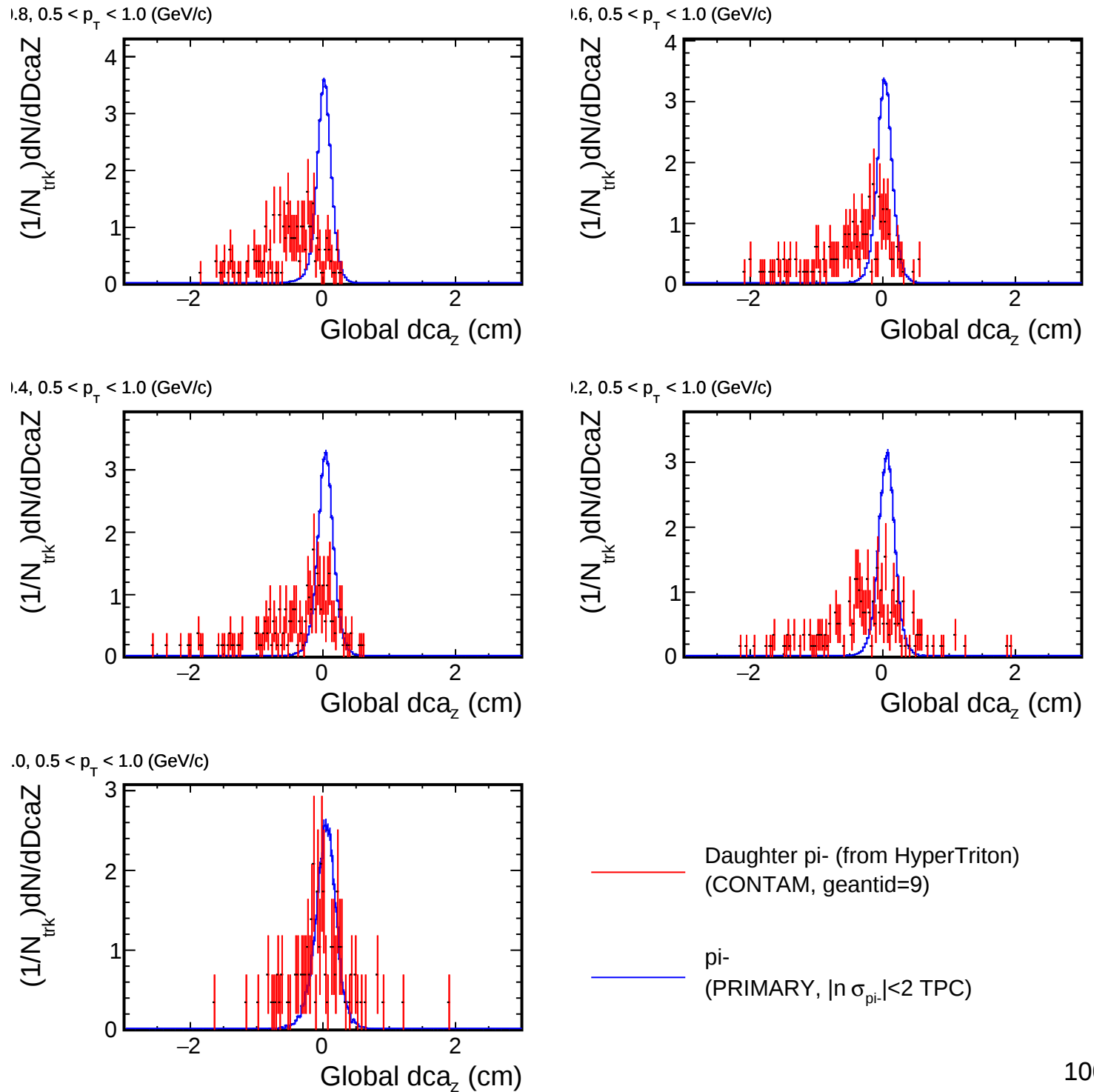
DcaZ distribution for (p_T , η) slices



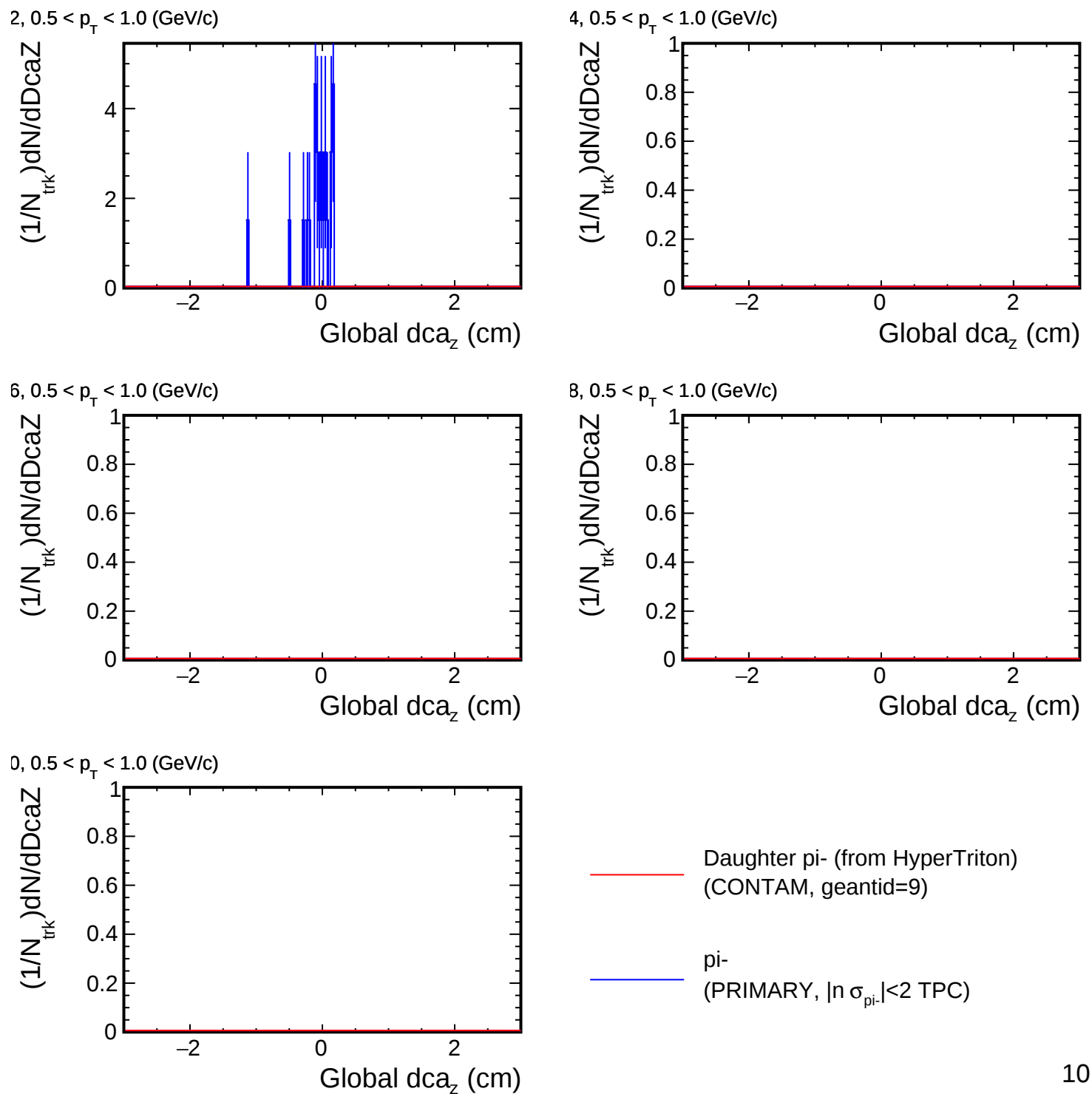
DcaZ distribution for (p_T , η) slices



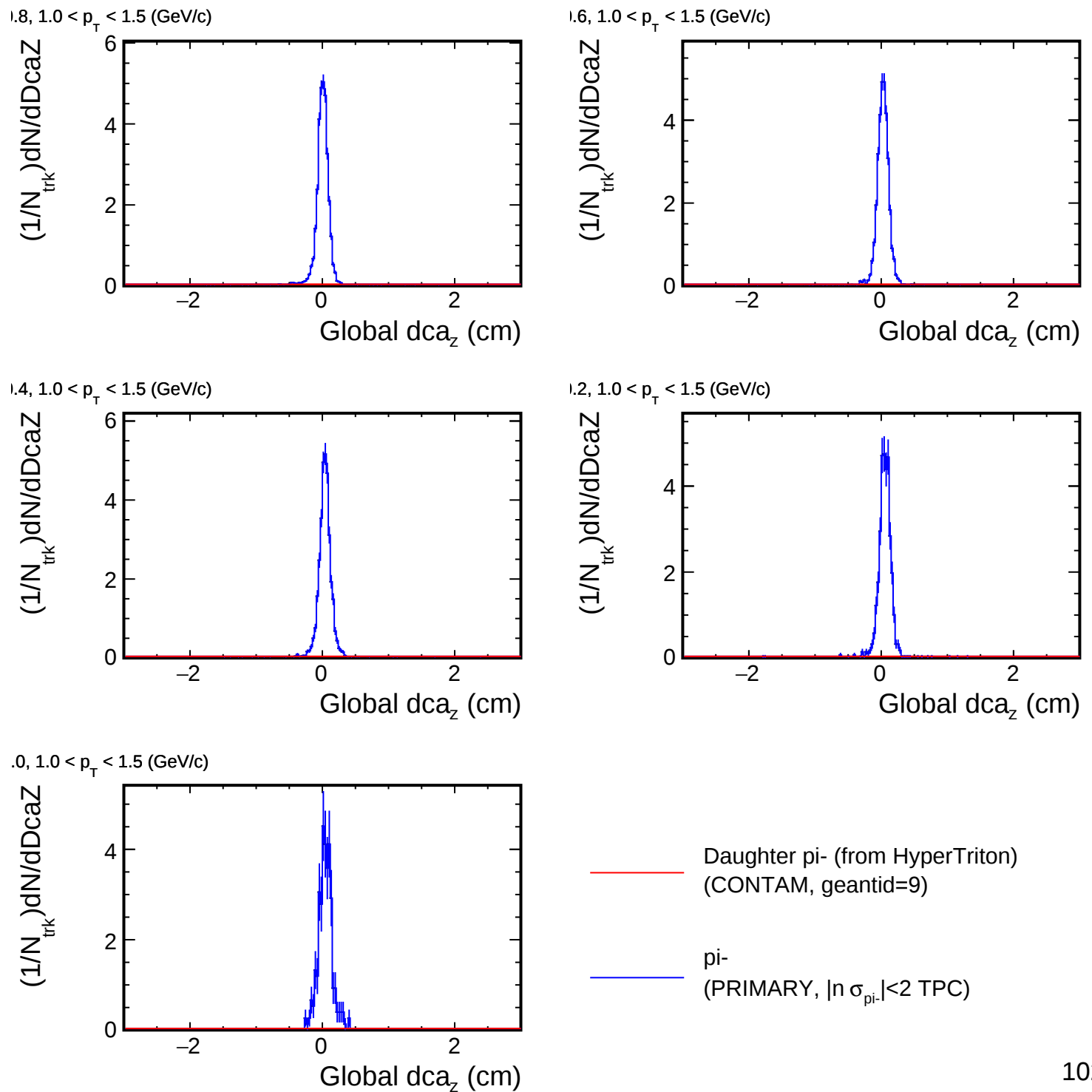
DcaZ distribution for (p_T , η) slices



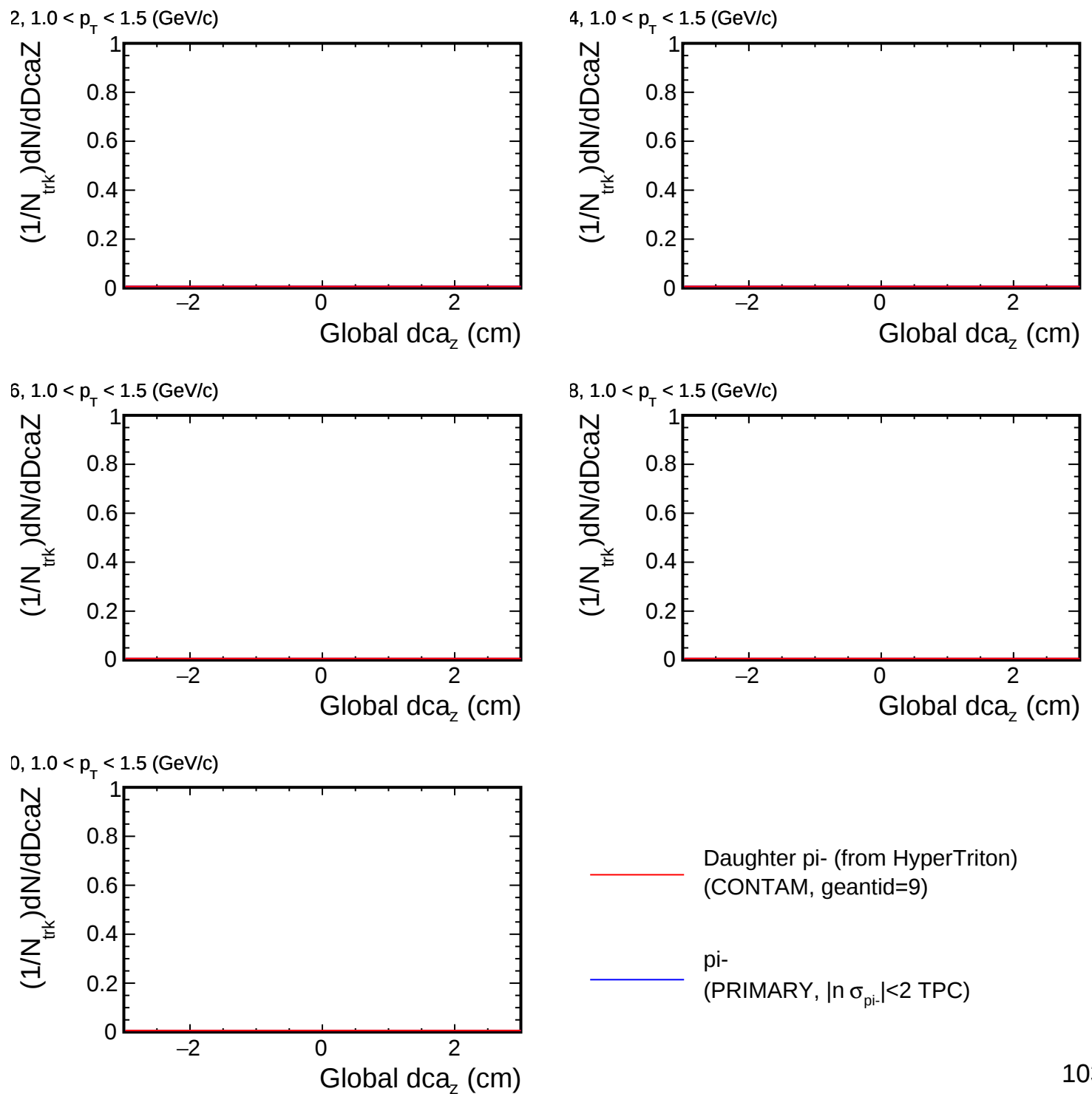
DcaZ distribution for (p_T , η) slices



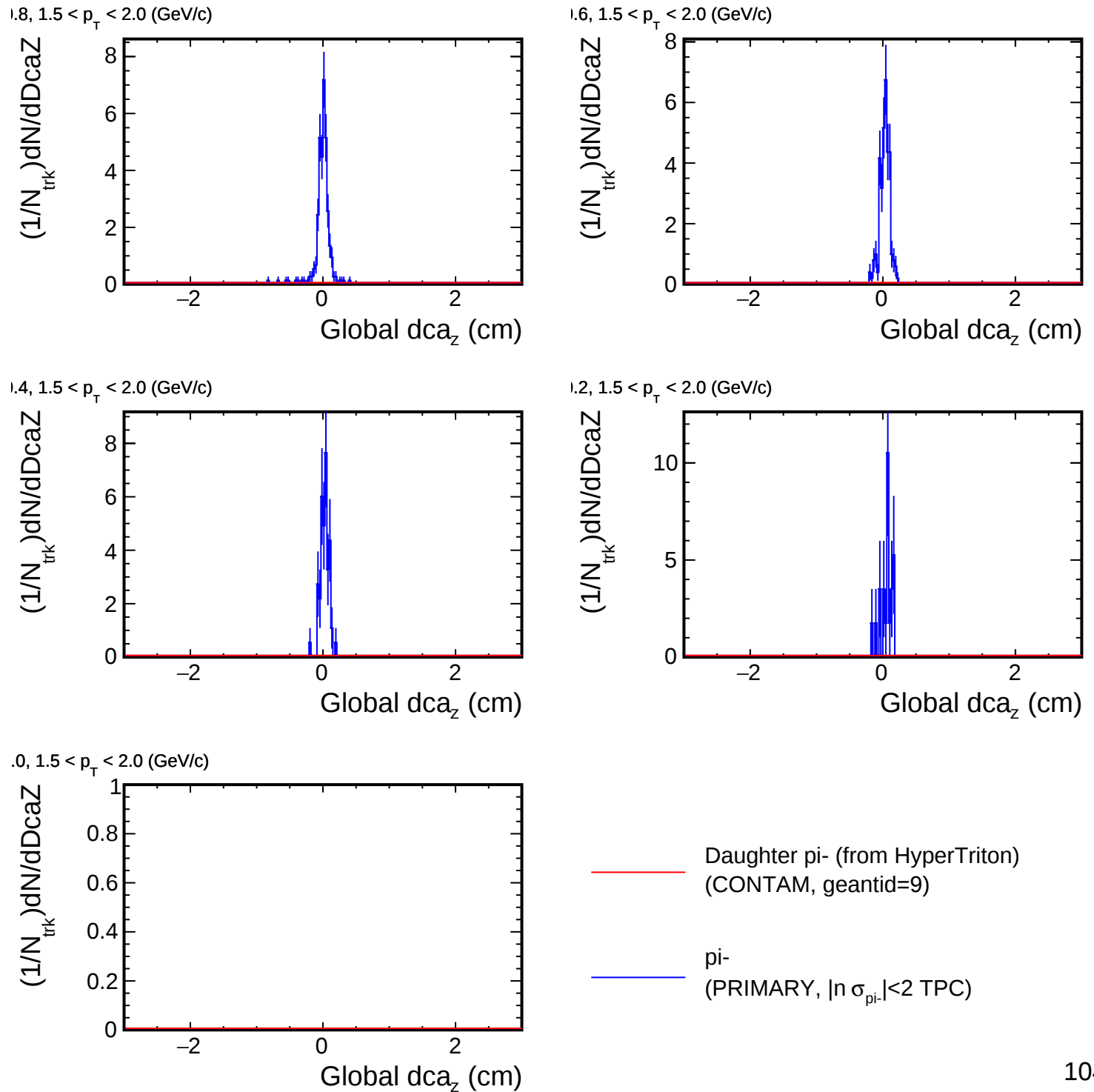
DcaZ distribution for (p_T , η) slices



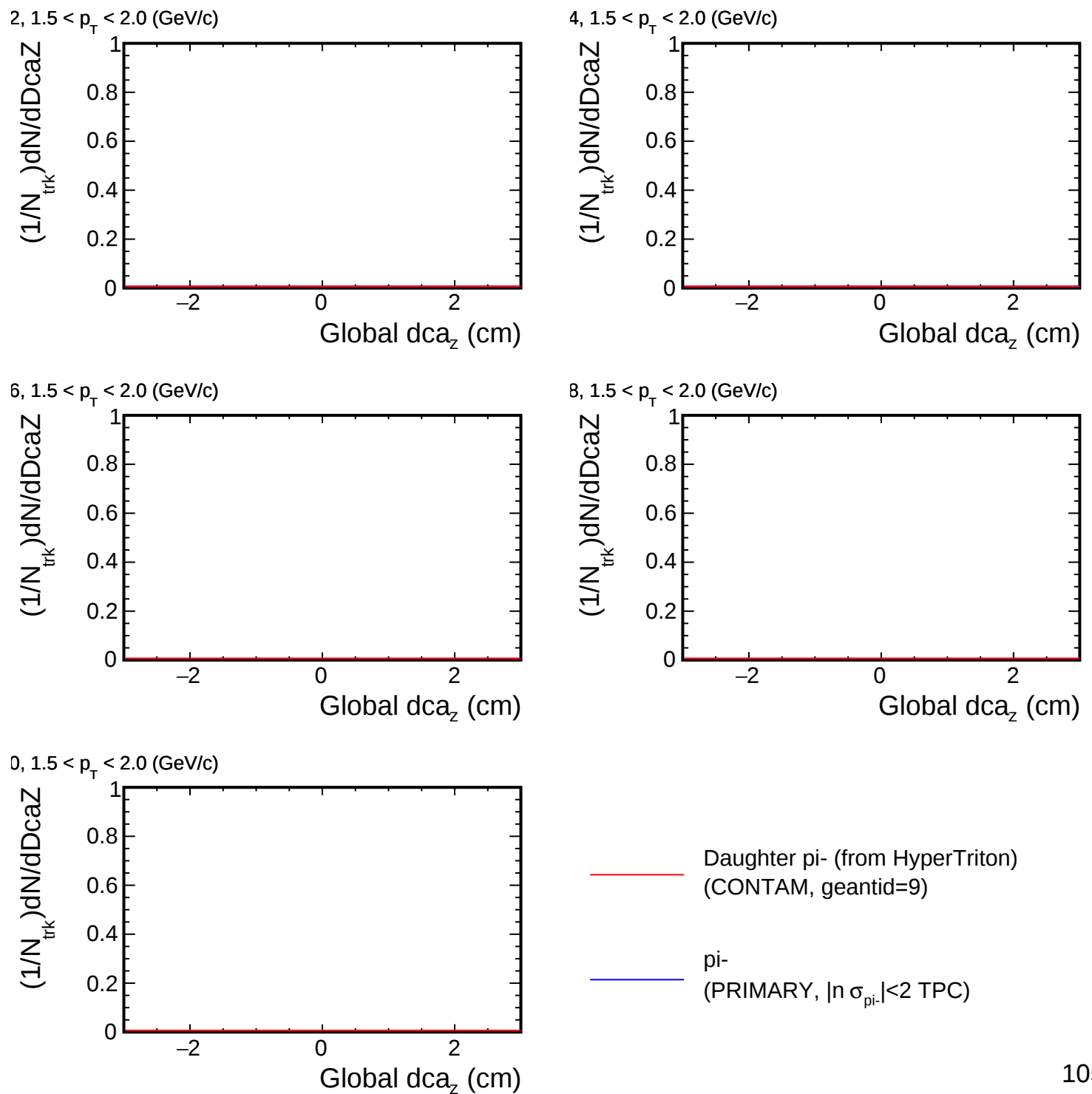
DcaZ distribution for (p_T , η) slices



DcaZ distribution for (p_T , η) slices

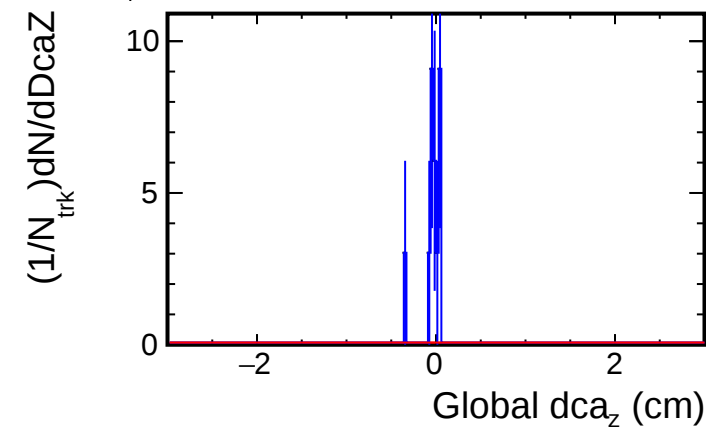


DcaZ distribution for (p_T , η) slices

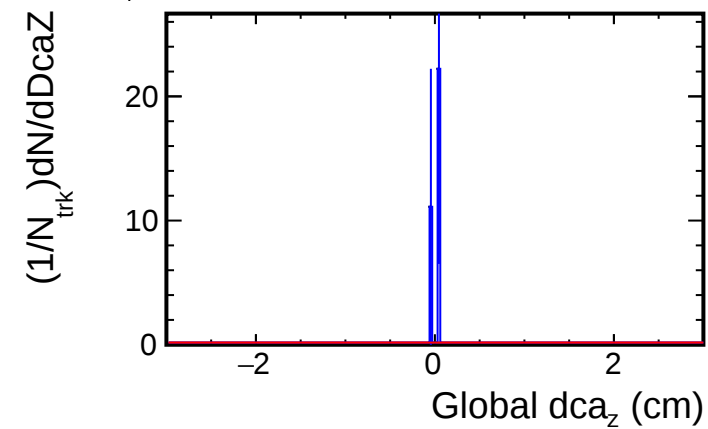


DcaZ distribution for (p_T , η) slices

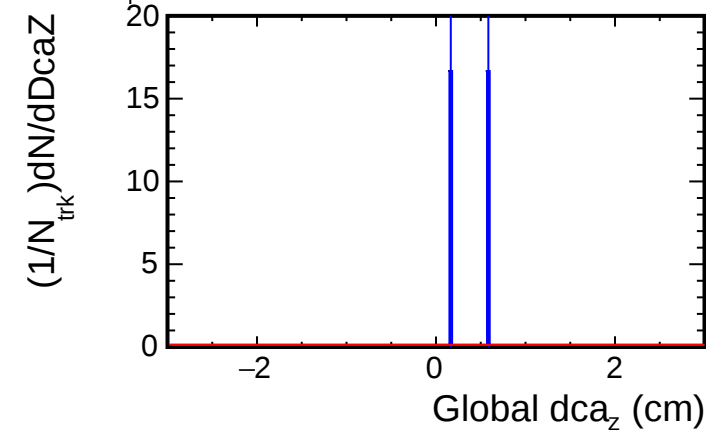
1.8, $2.0 < p_T < 2.5$ (GeV/c)



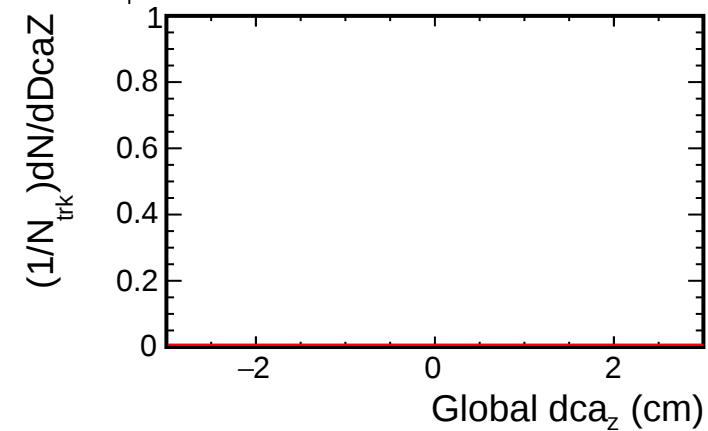
1.6, $2.0 < p_T < 2.5$ (GeV/c)



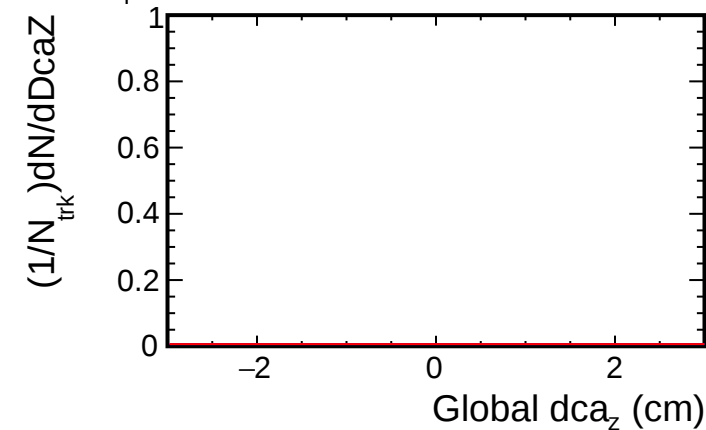
1.4, $2.0 < p_T < 2.5$ (GeV/c)



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



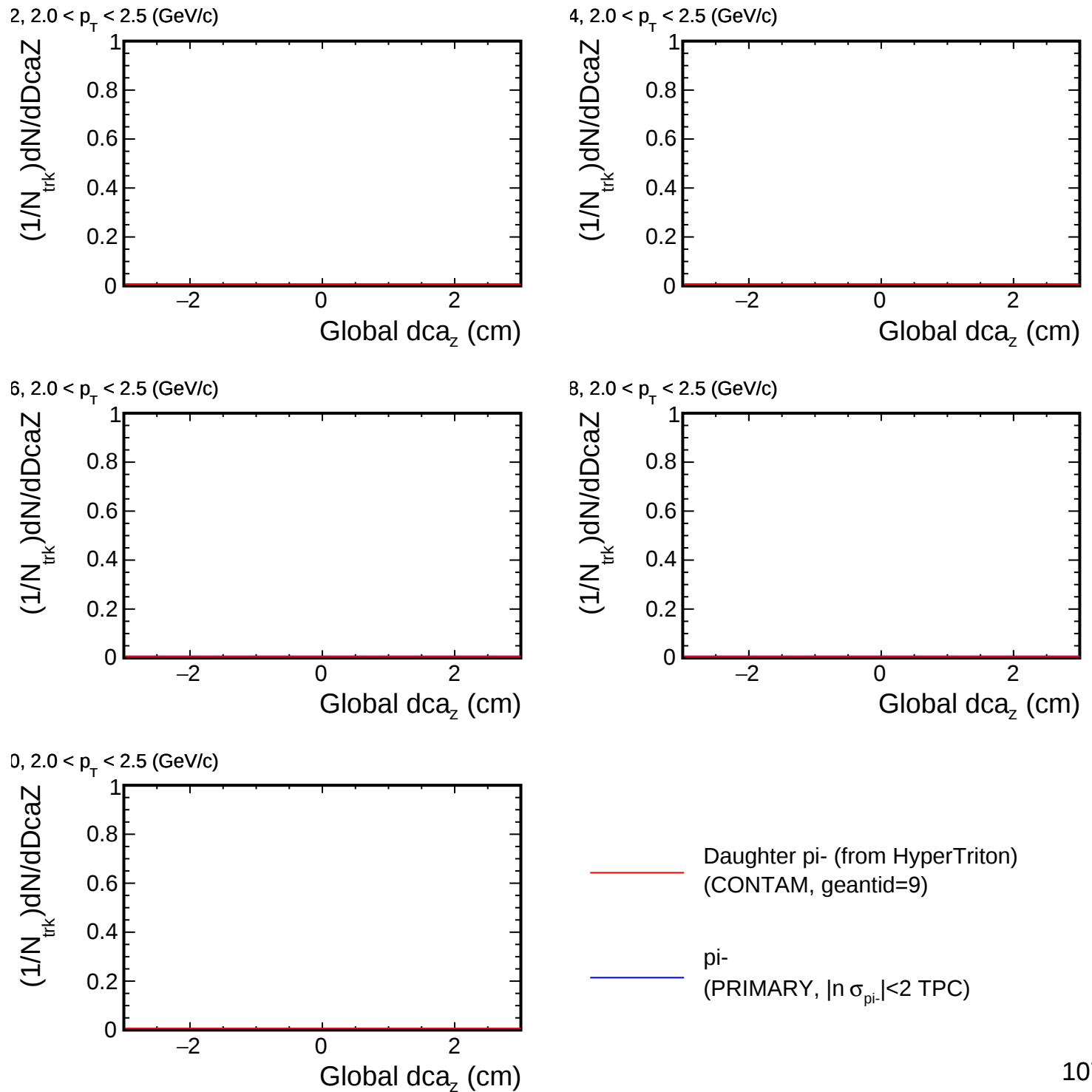
1.0, $2.0 < p_T < 2.5$ (GeV/c)



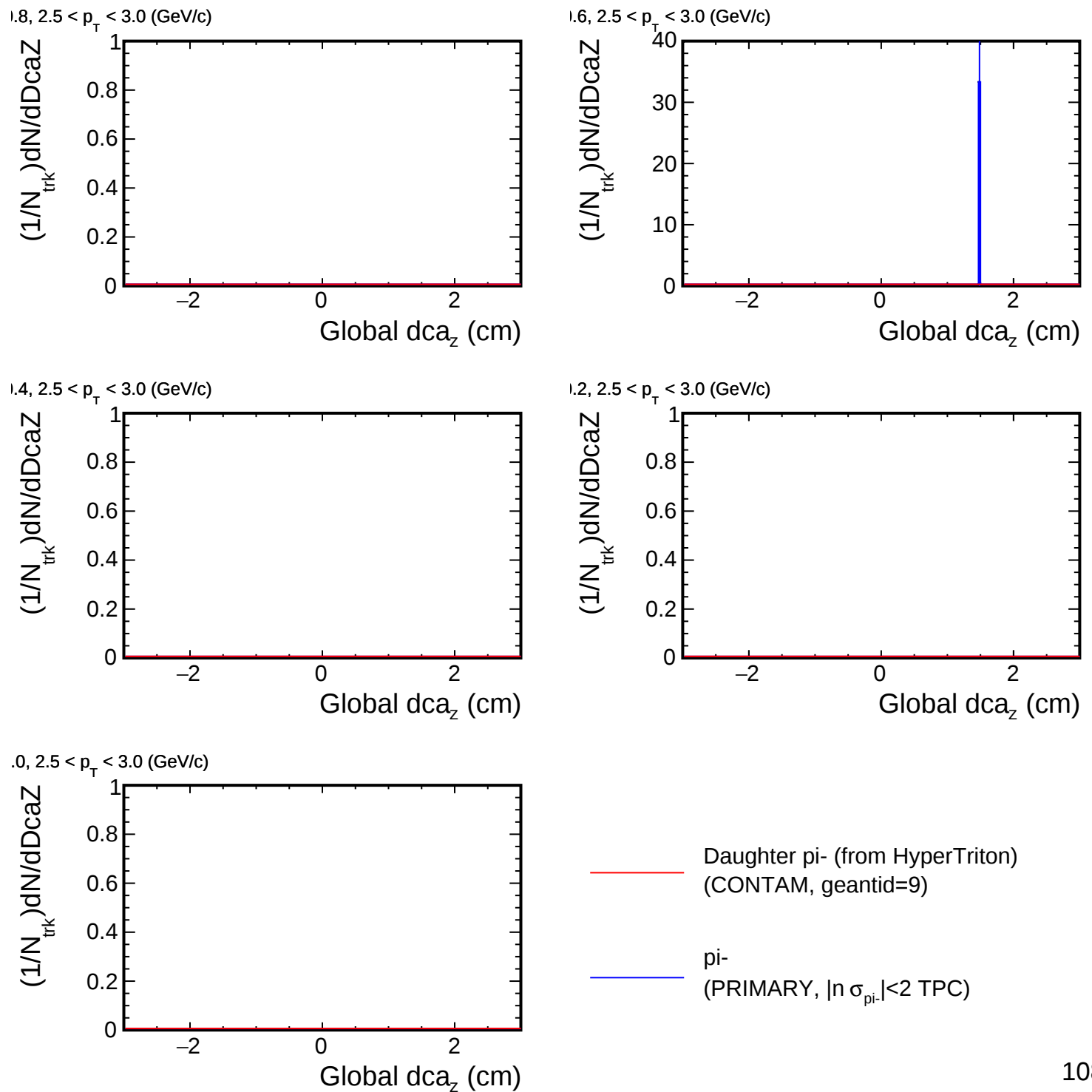
— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

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

DcaZ distribution for (p_T , η) slices

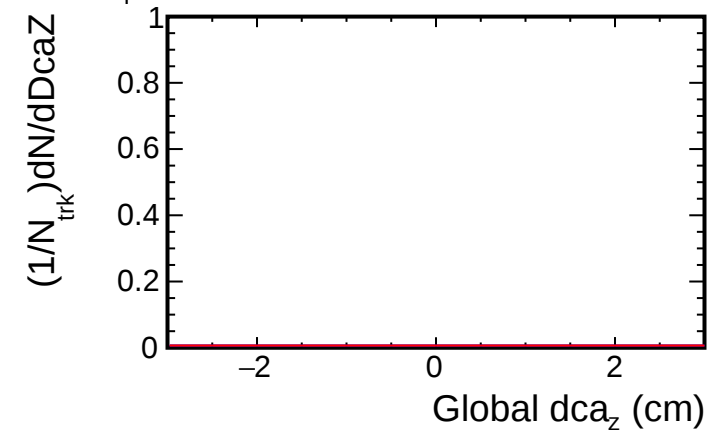


DcaZ distribution for (p_T , η) slices

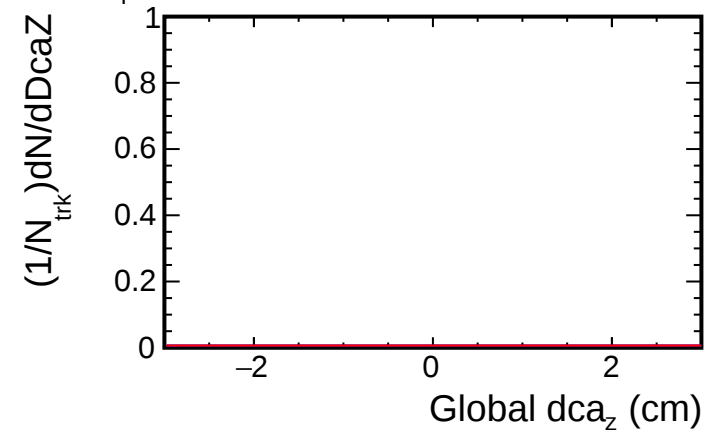


DcaZ distribution for (p_T , η) slices

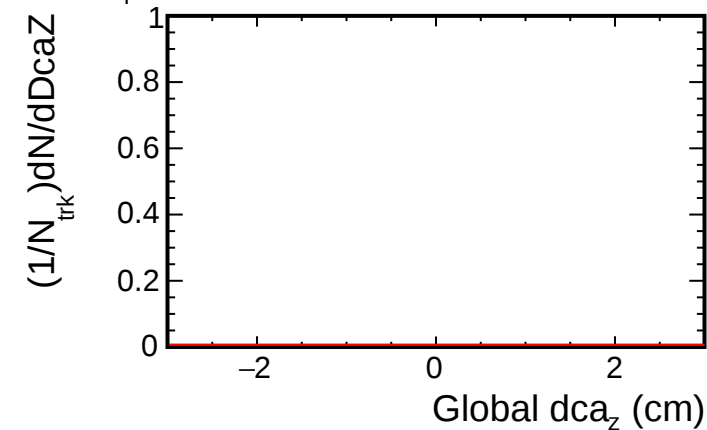
2, $2.5 < p_T < 3.0$ (GeV/c)



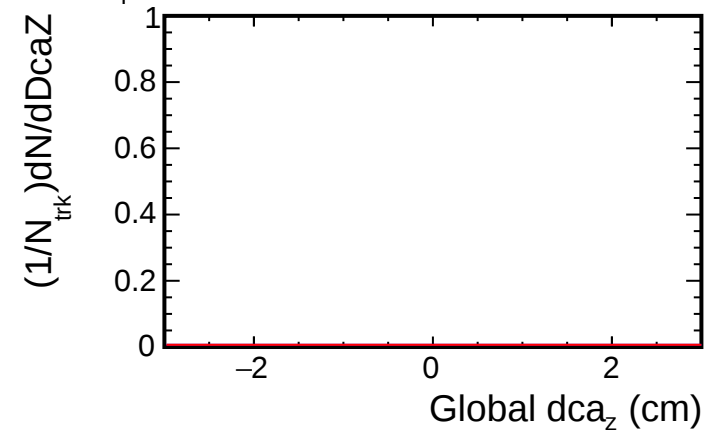
4, $2.5 < p_T < 3.0$ (GeV/c)



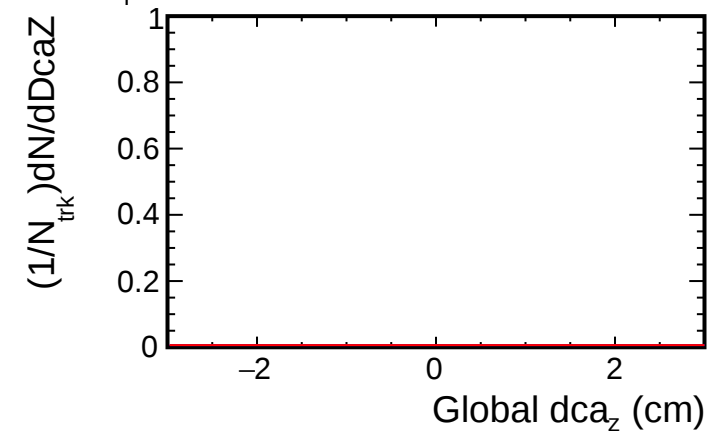
6, $2.5 < p_T < 3.0$ (GeV/c)



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



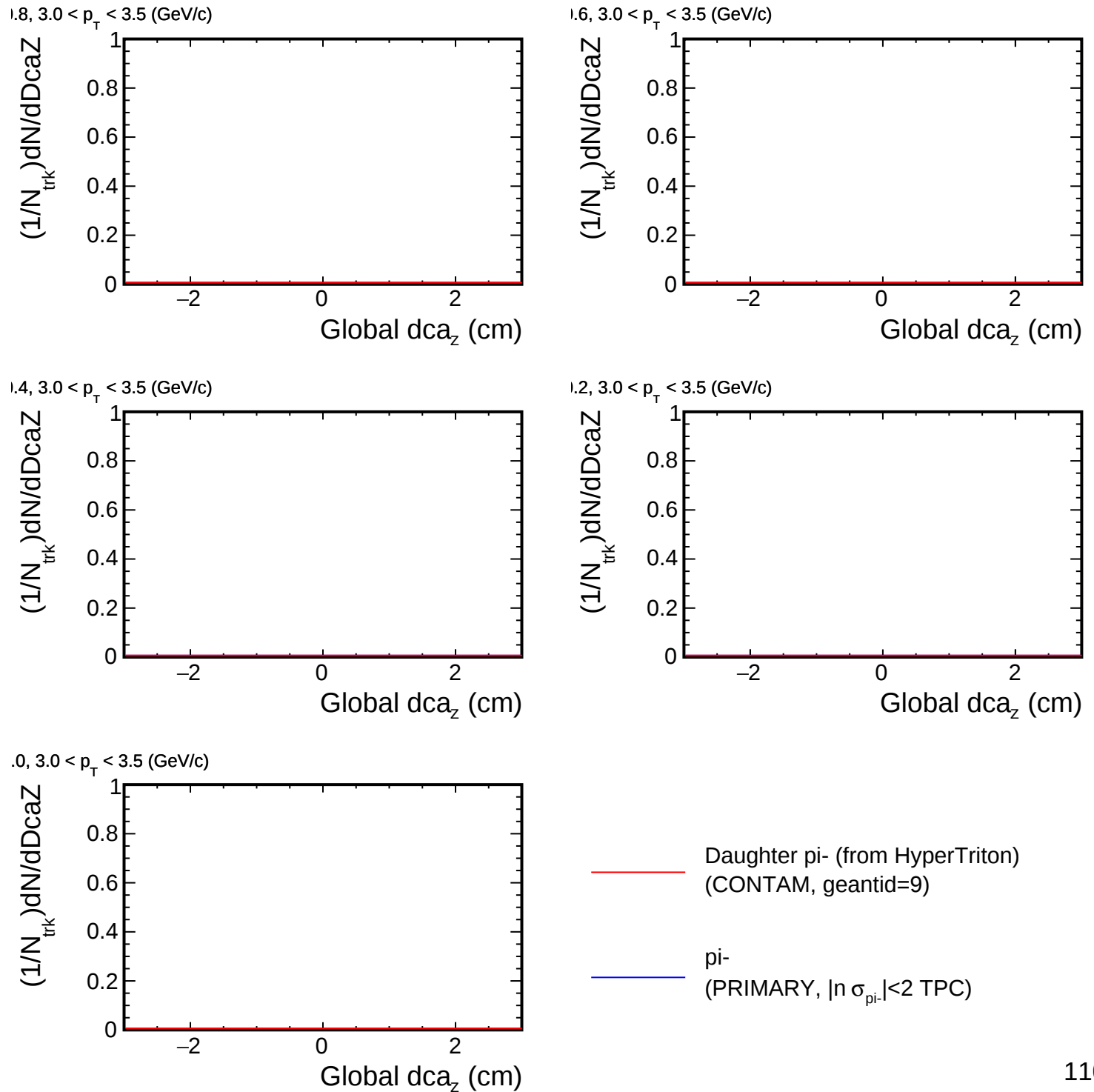
0, $2.5 < p_T < 3.0$ (GeV/c)



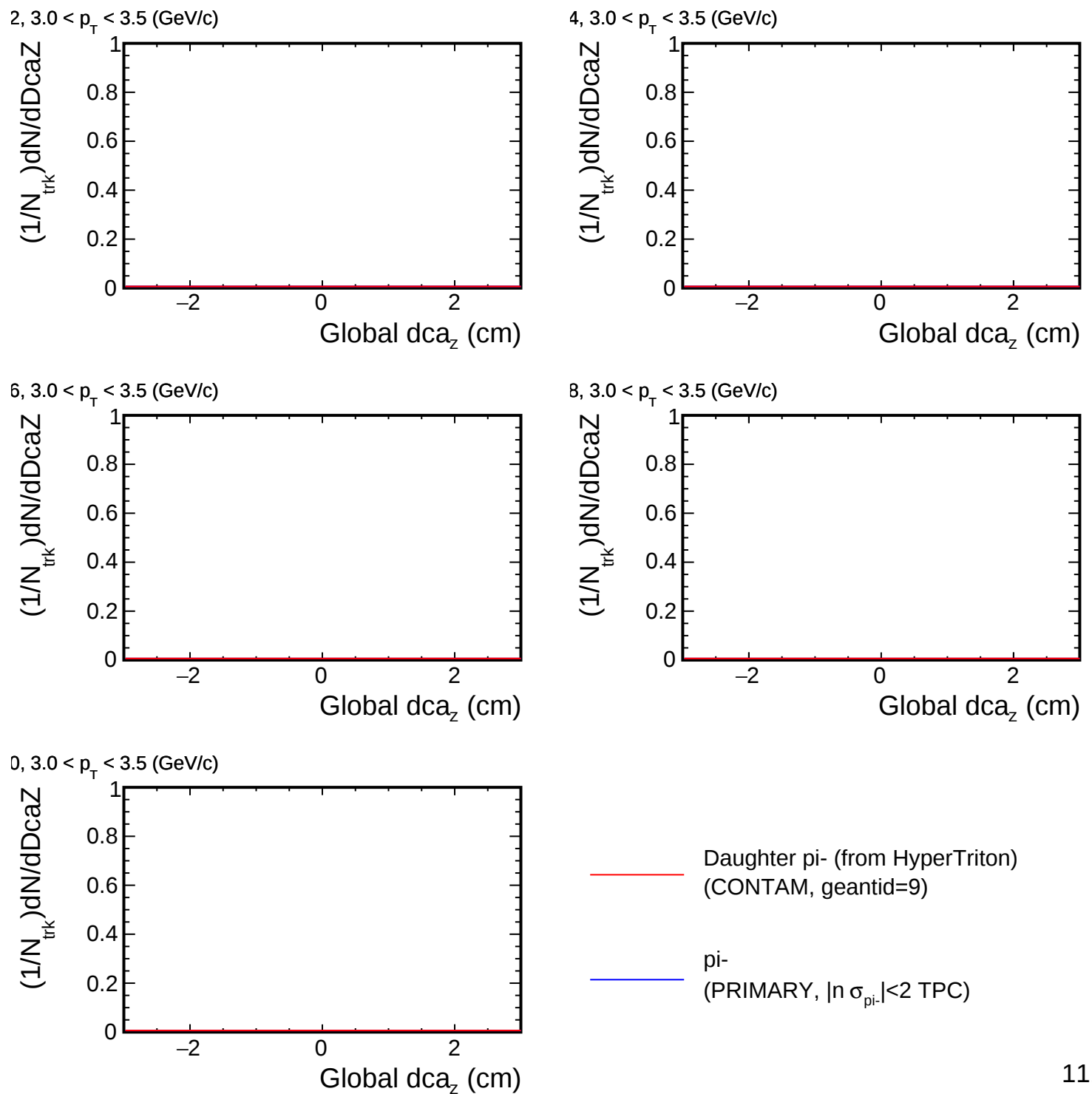
— Daughter π^- (from HyperTriton)
(CONTAM, geantid=9)

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

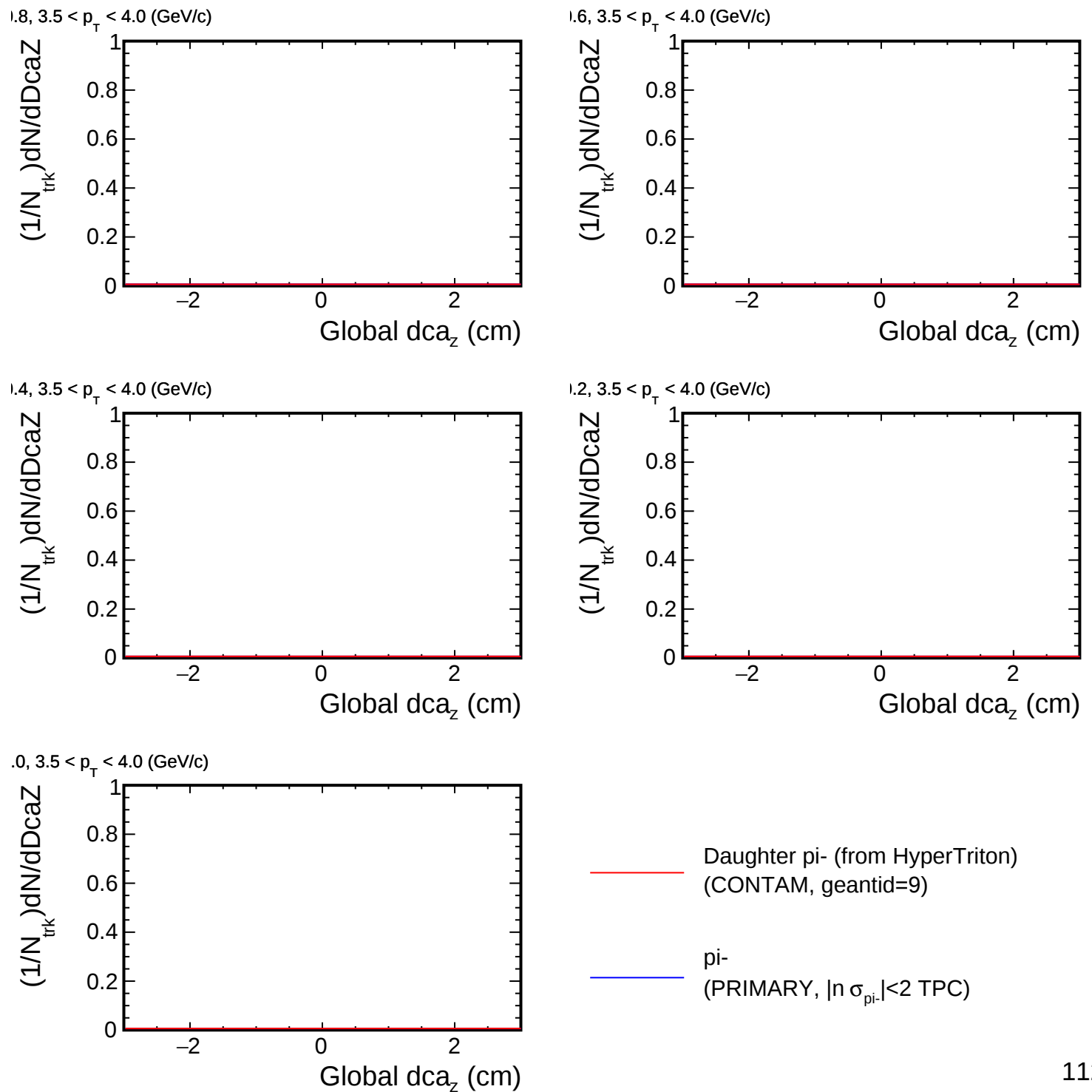
DcaZ distribution for (p_T , η) slices



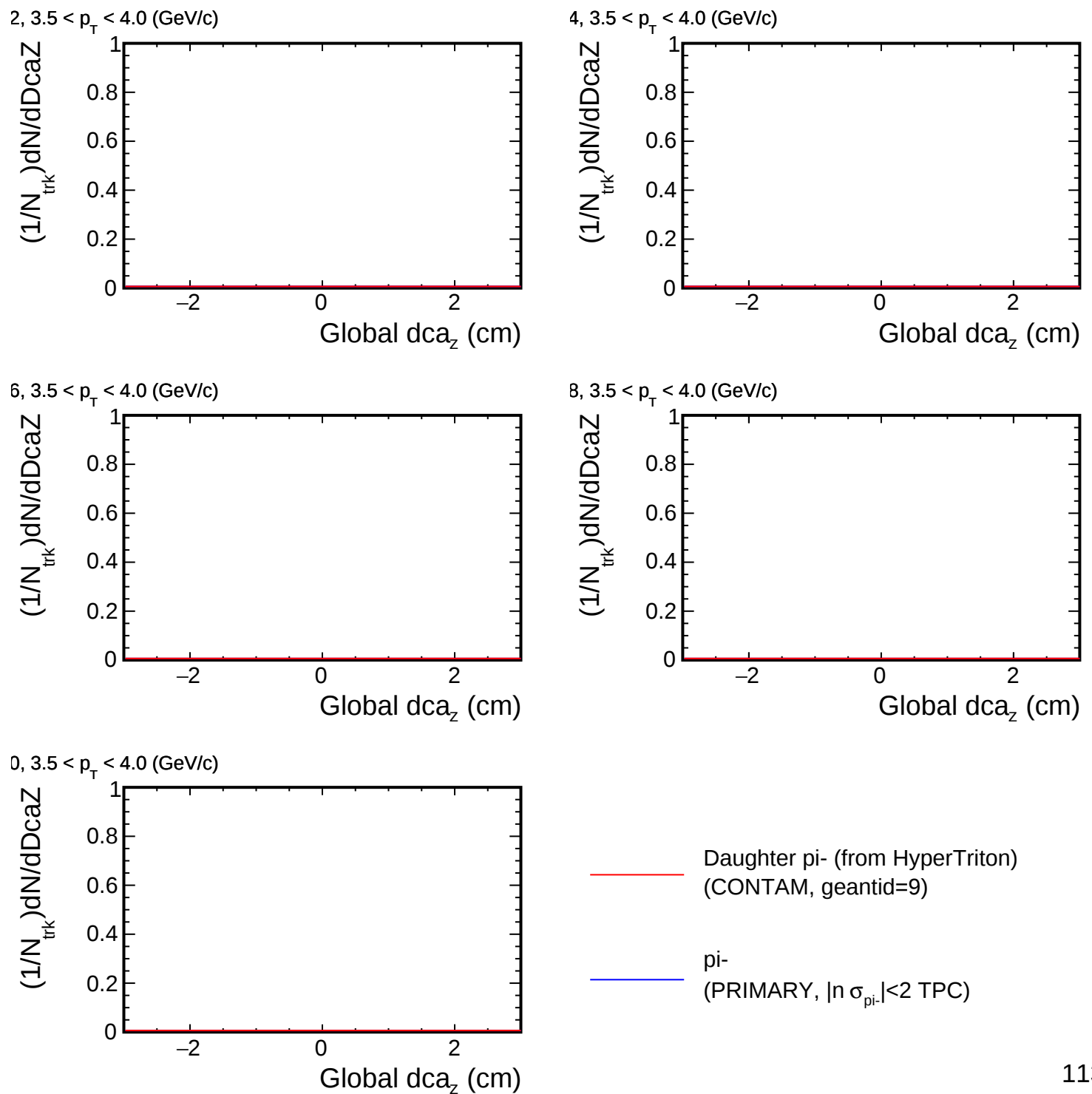
DcaZ distribution for (p_T , η) slices



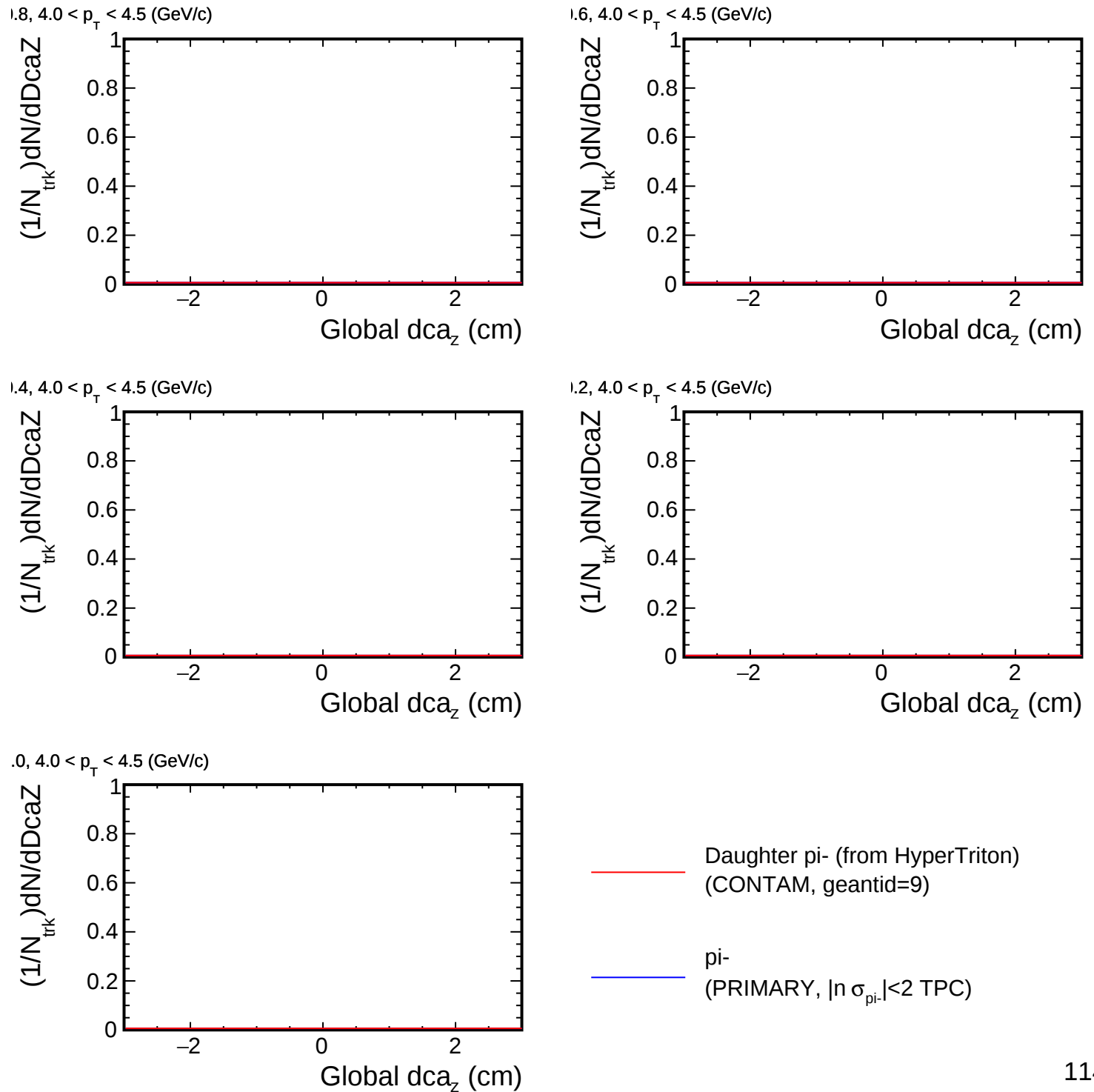
DcaZ distribution for (p_T , η) slices



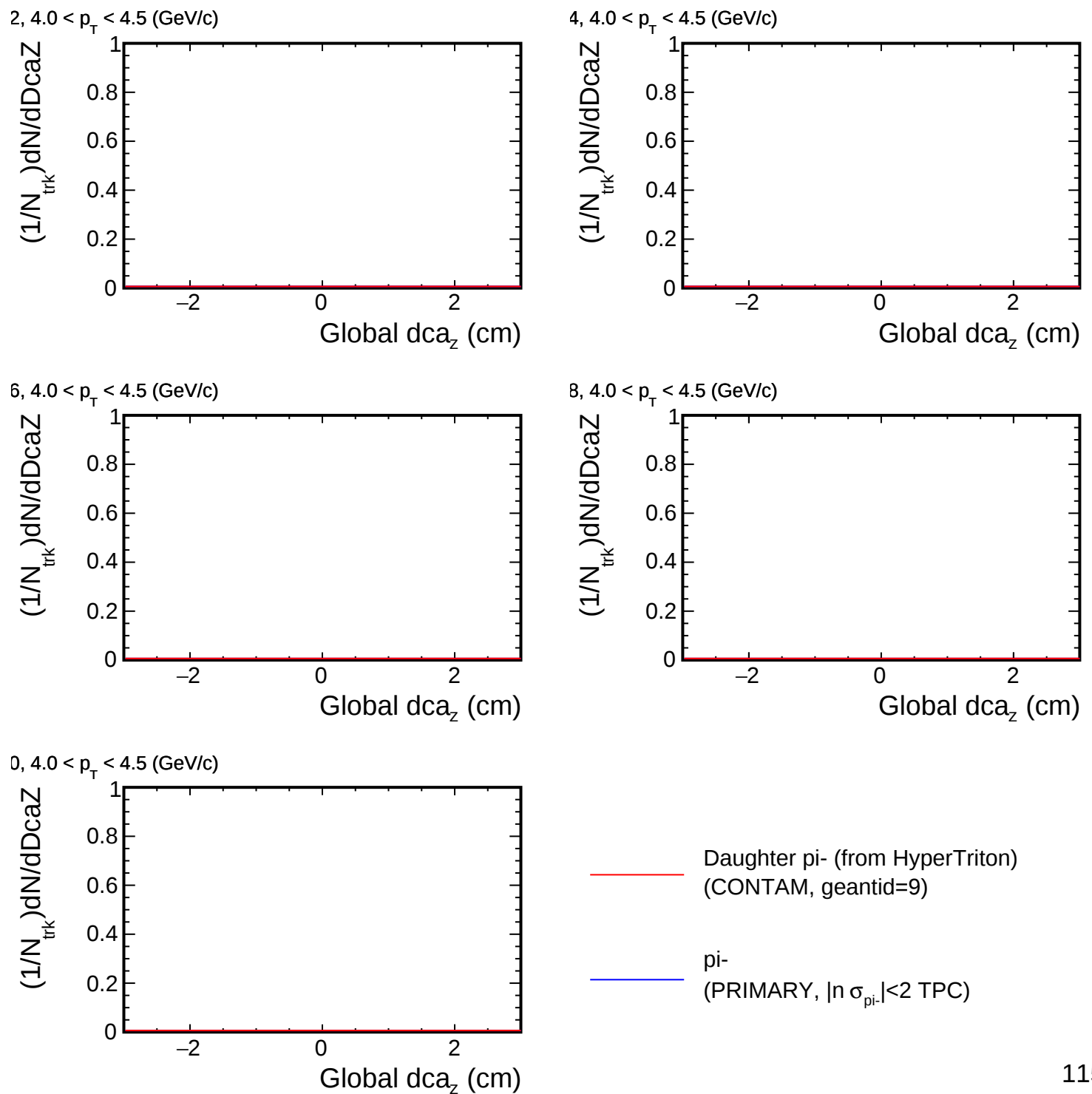
DcaZ distribution for (p_T , η) slices



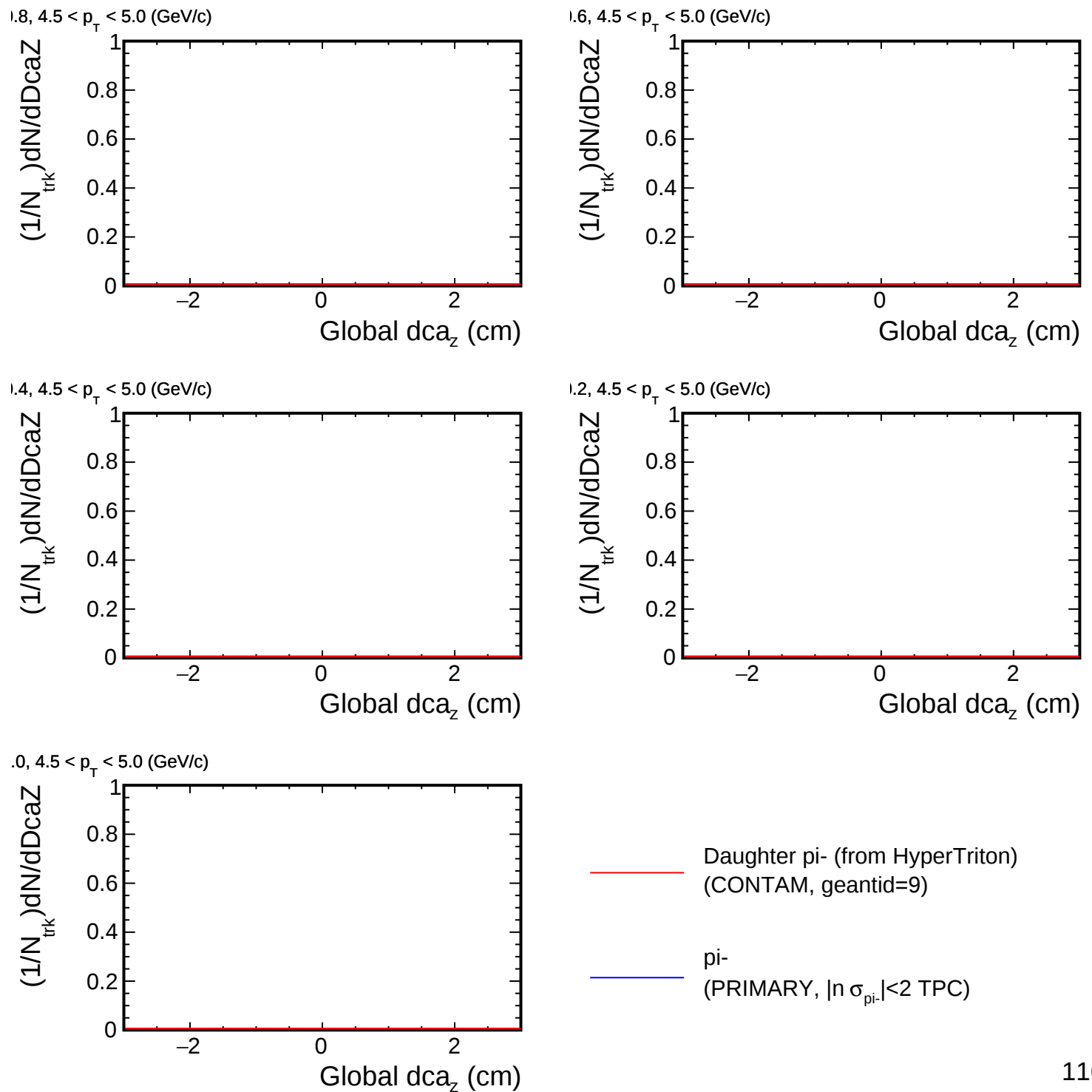
DcaZ distribution for (p_T , η) slices



DcaZ distribution for (p_T , η) slices

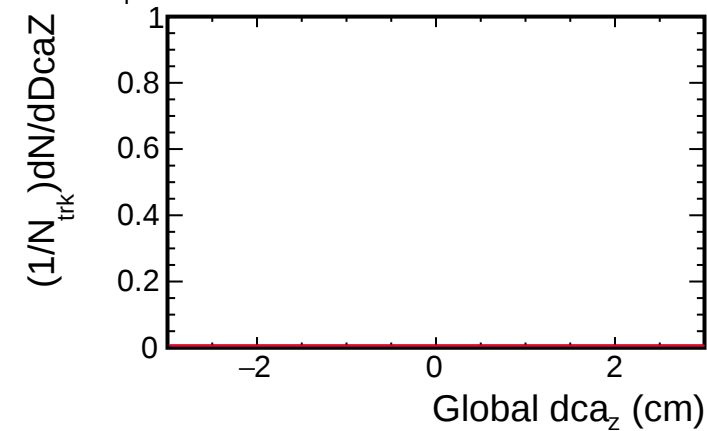


DcaZ distribution for (p_T , η) slices

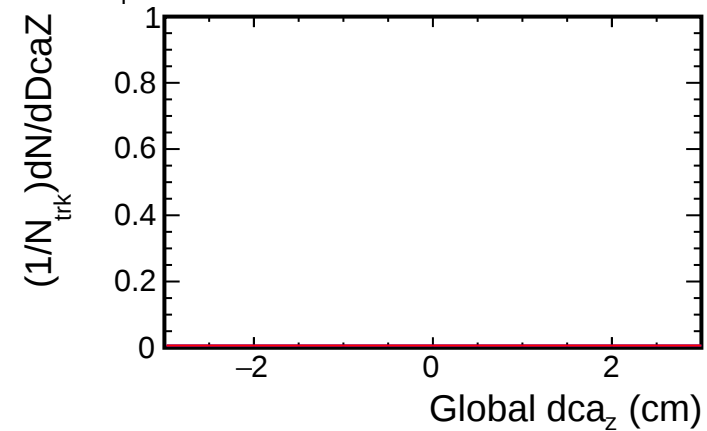


DcaZ distribution for (p_T , η) slices

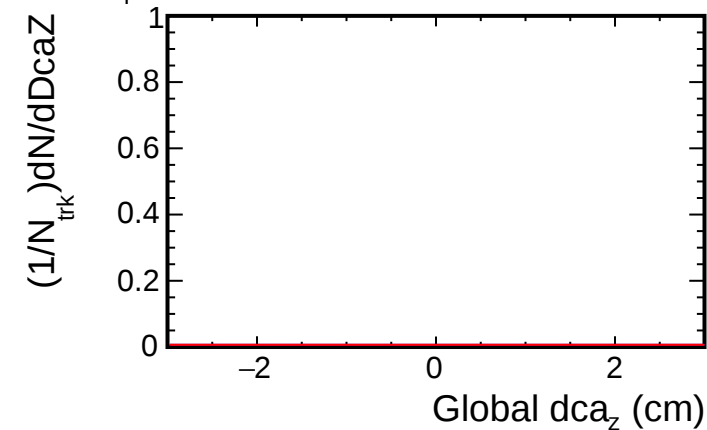
2, $4.5 < p_T < 5.0$ (GeV/c)



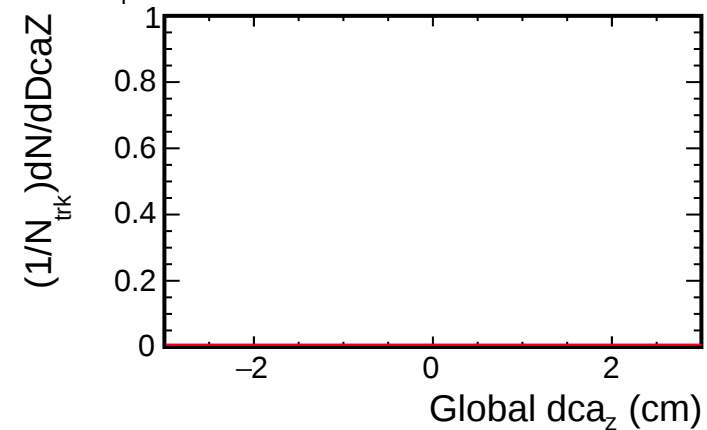
4, $4.5 < p_T < 5.0$ (GeV/c)



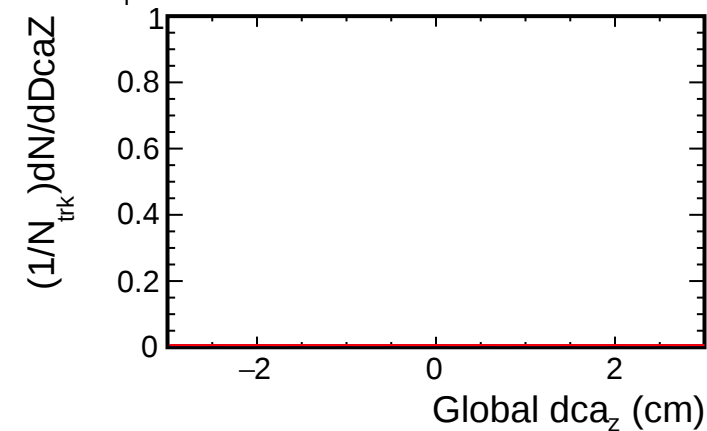
6, $4.5 < p_T < 5.0$ (GeV/c)



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



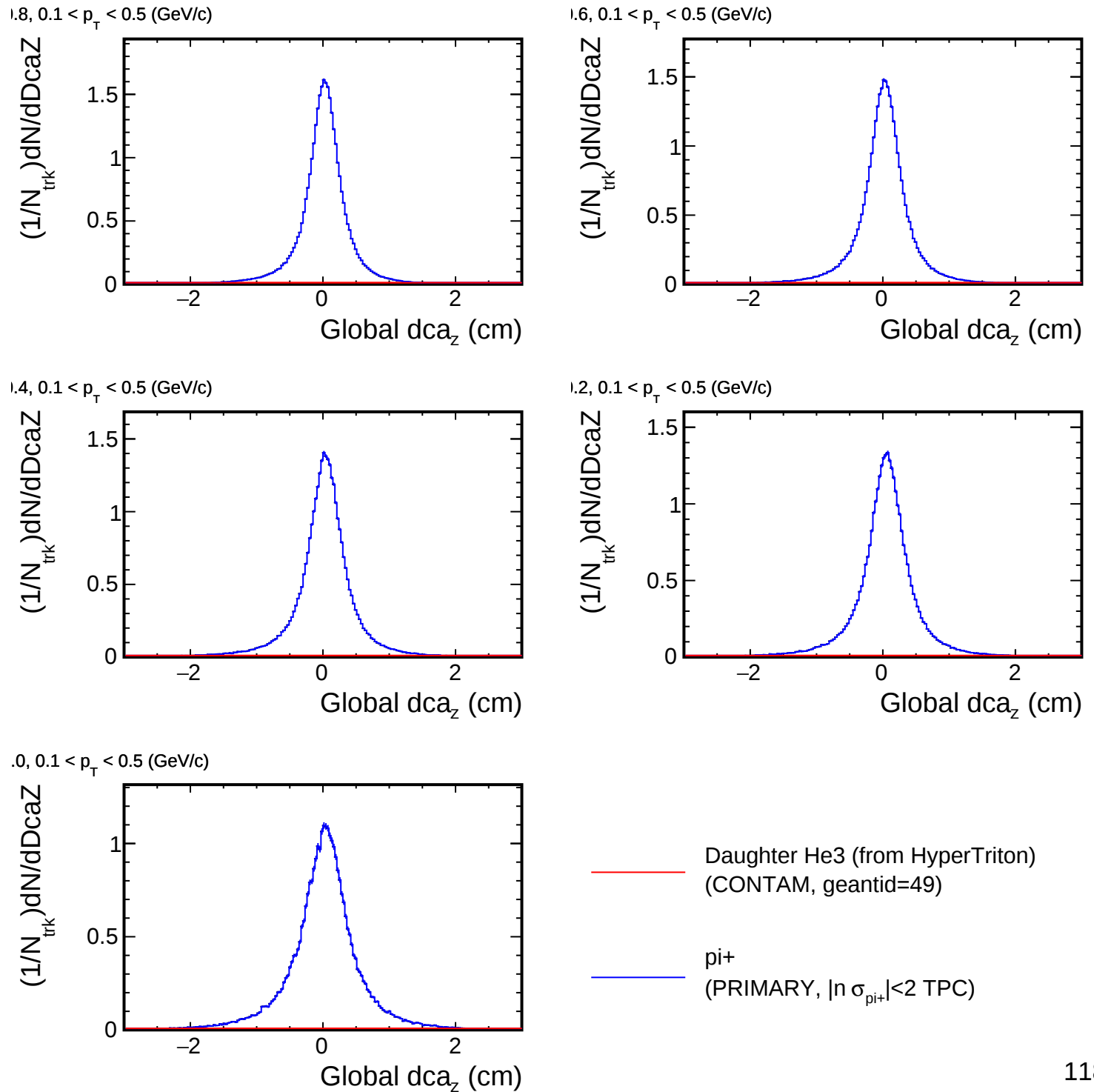
0, $4.5 < p_T < 5.0$ (GeV/c)



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

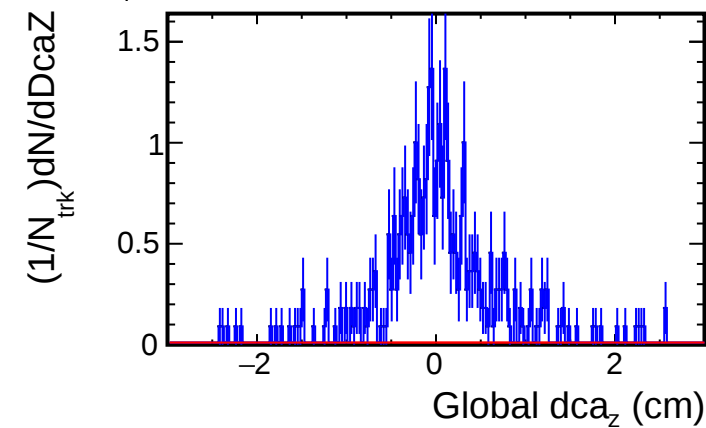
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

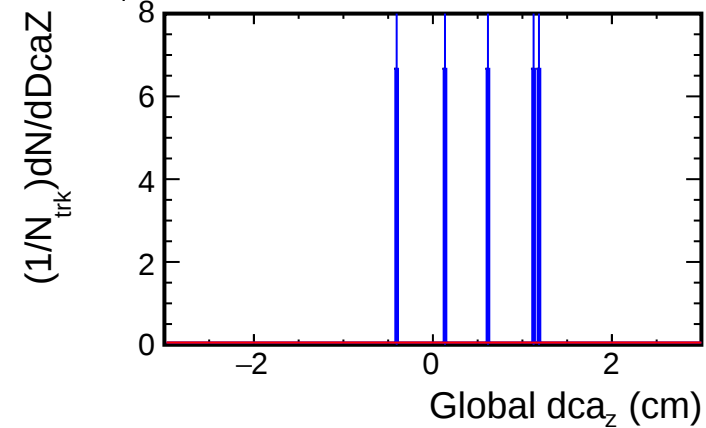


DcaZ distribution for (p_T , η) slices

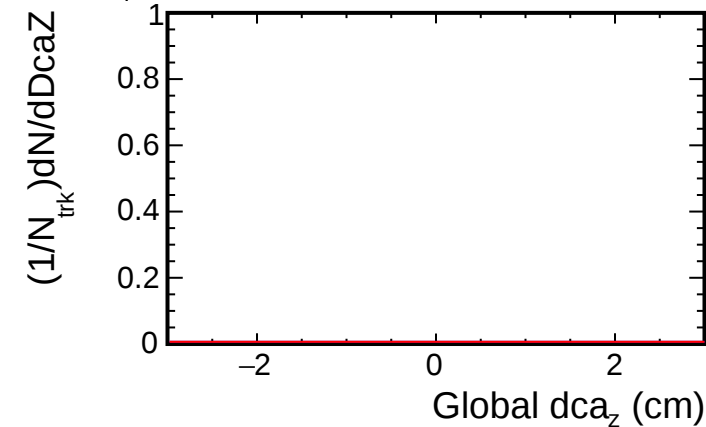
2, $0.1 < p_T < 0.5$ (GeV/c)



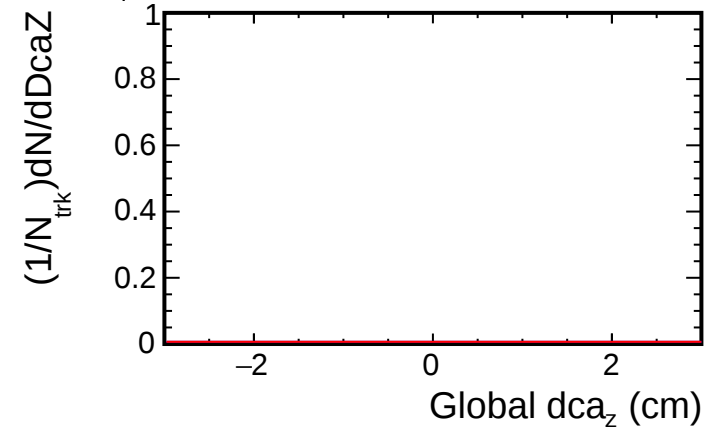
4, $0.1 < p_T < 0.5$ (GeV/c)



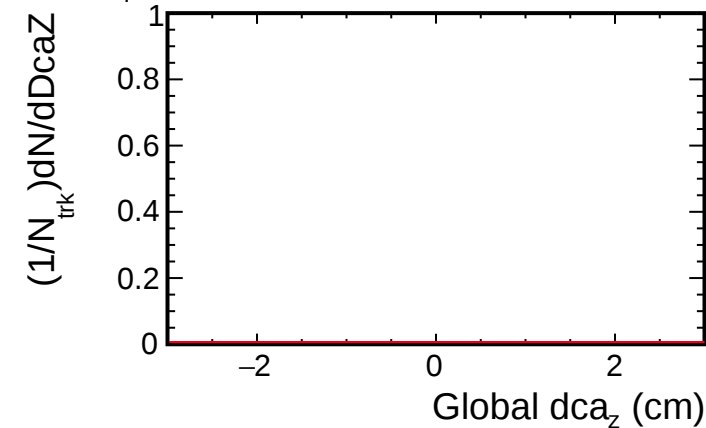
6, $0.1 < p_T < 0.5$ (GeV/c)



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



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

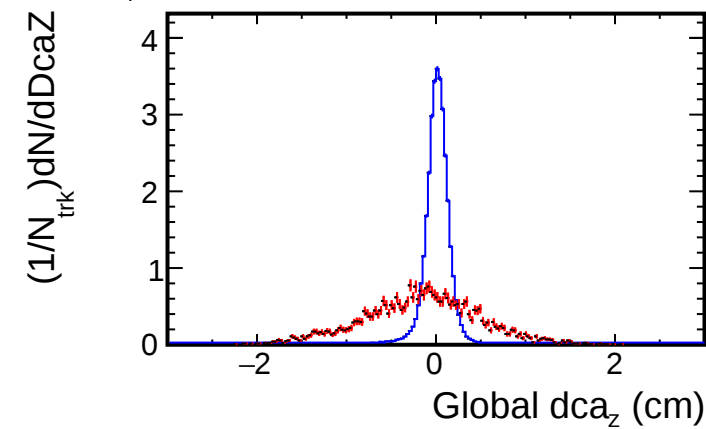


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

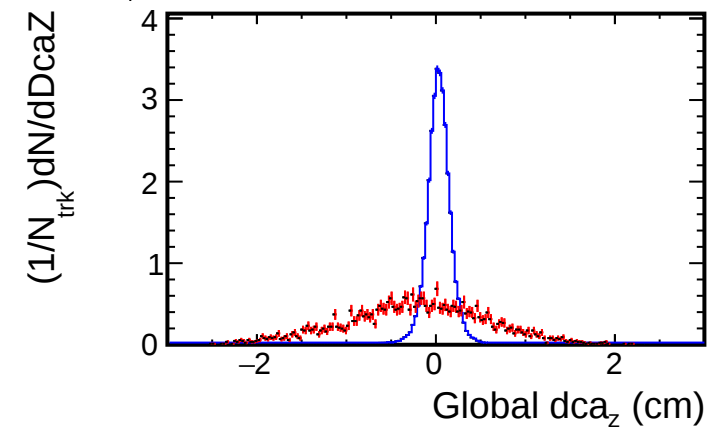
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}+}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

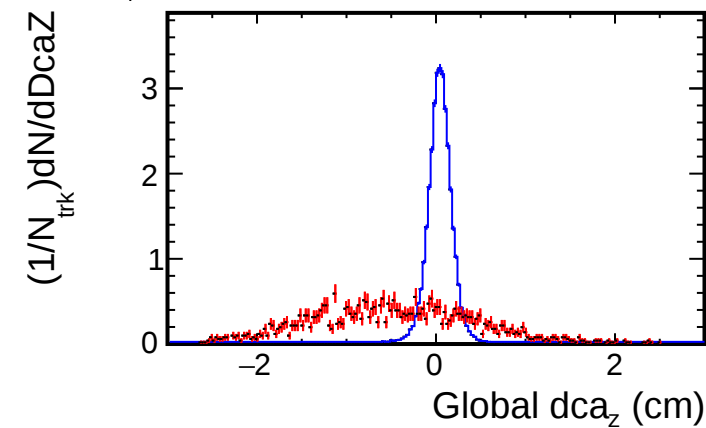
1.8, $0.5 < p_T < 1.0$ (GeV/c)



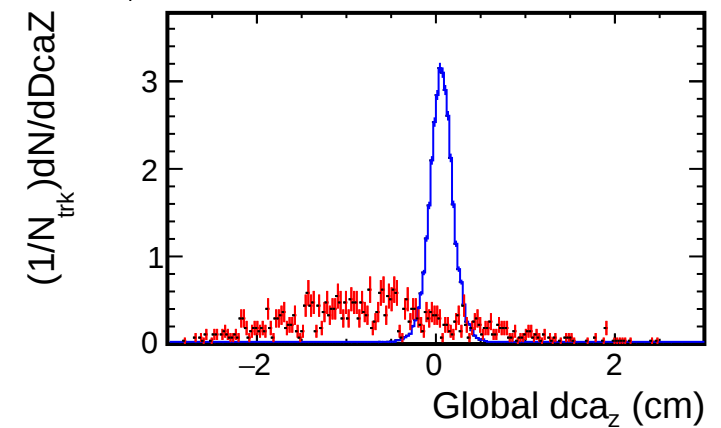
1.6, $0.5 < p_T < 1.0$ (GeV/c)



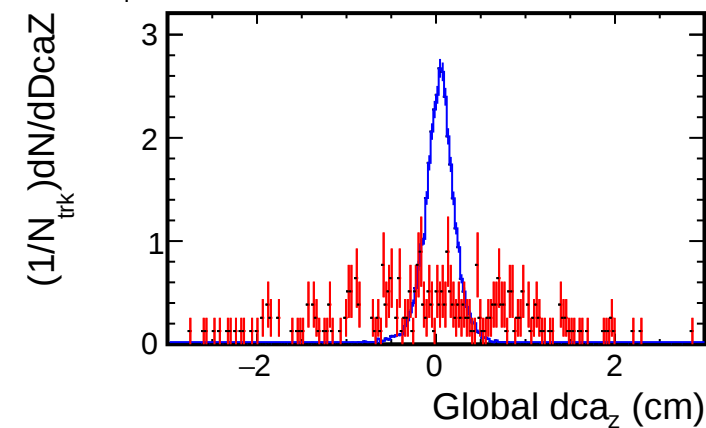
1.4, $0.5 < p_T < 1.0$ (GeV/c)



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



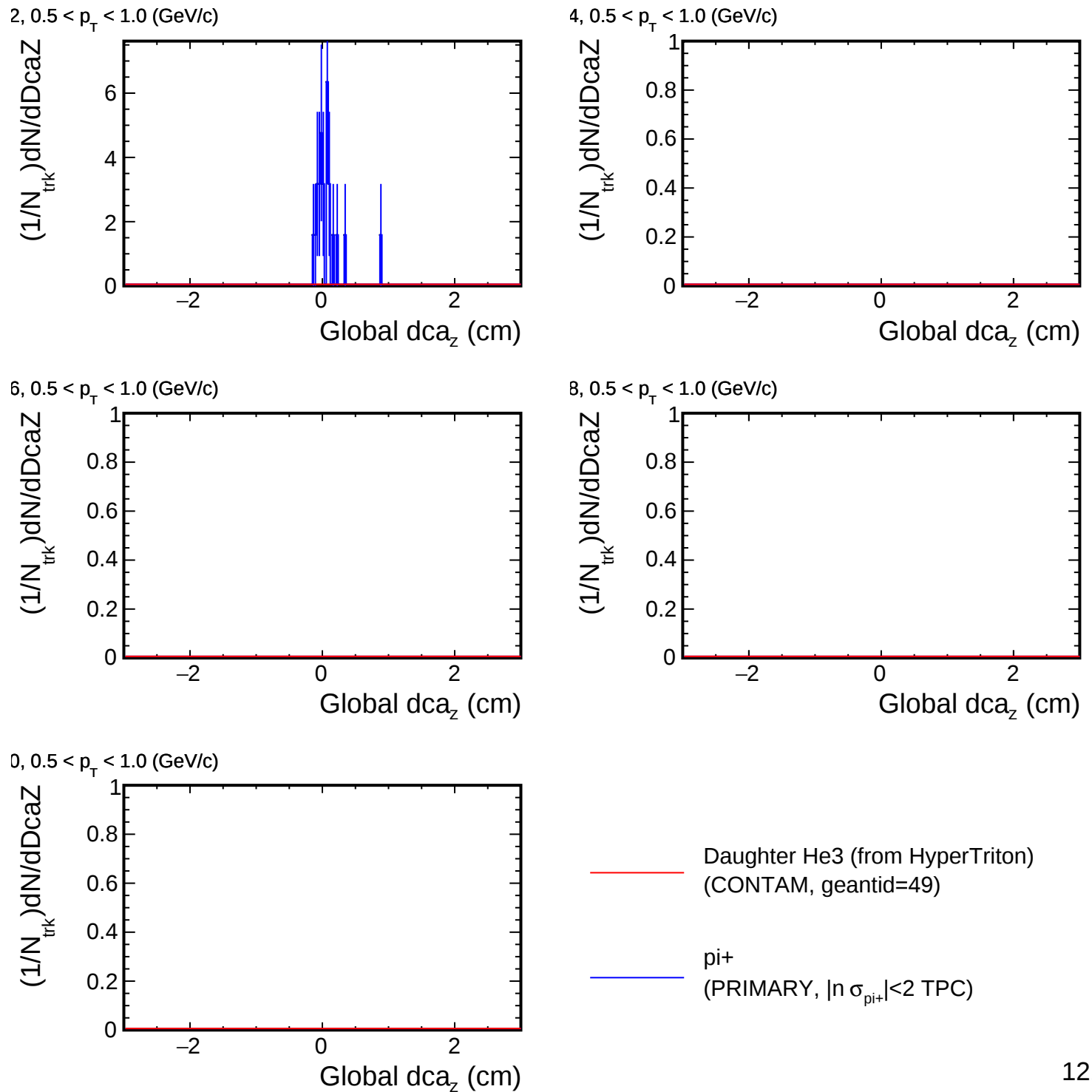
1.0, $0.5 < p_T < 1.0$ (GeV/c)



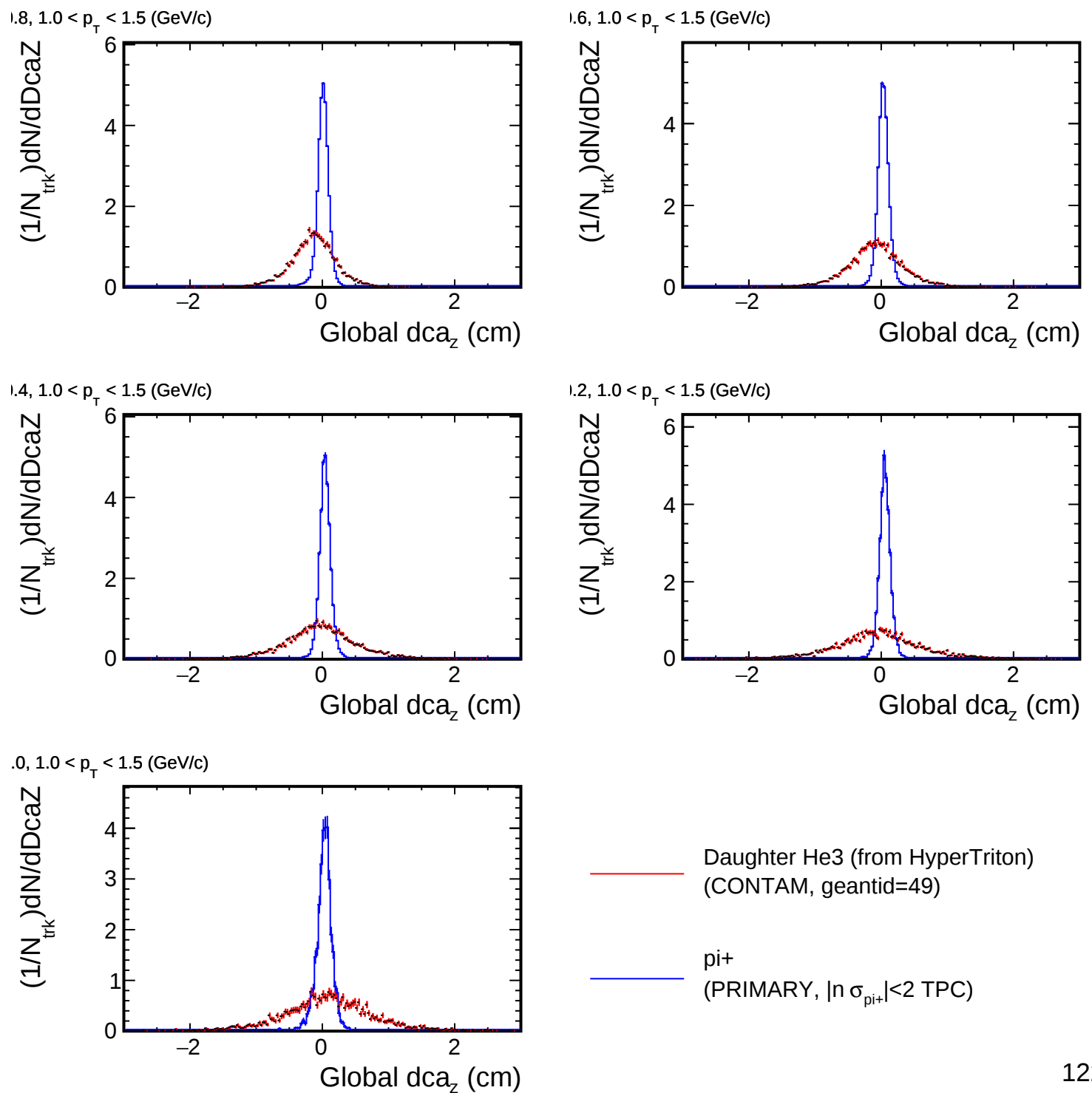
— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

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

DcaZ distribution for (p_T , η) slices

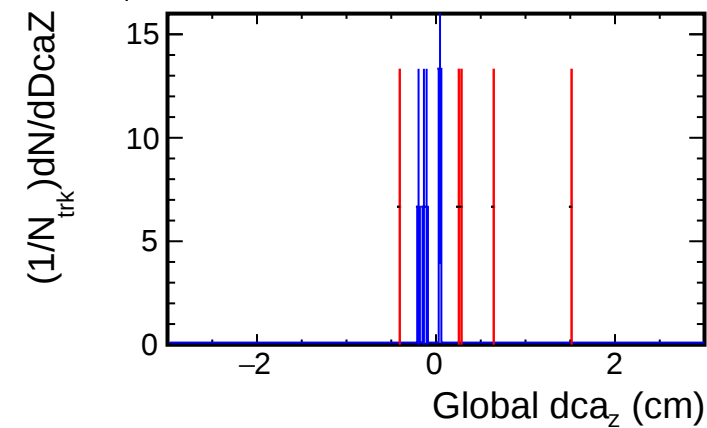


DcaZ distribution for (p_T , η) slices

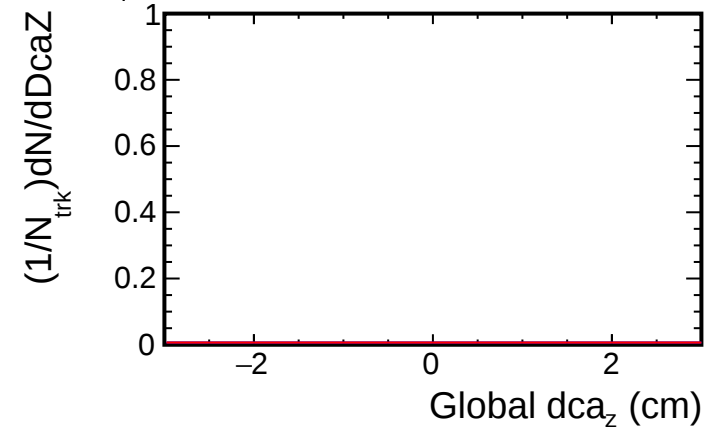


DcaZ distribution for (p_T , η) slices

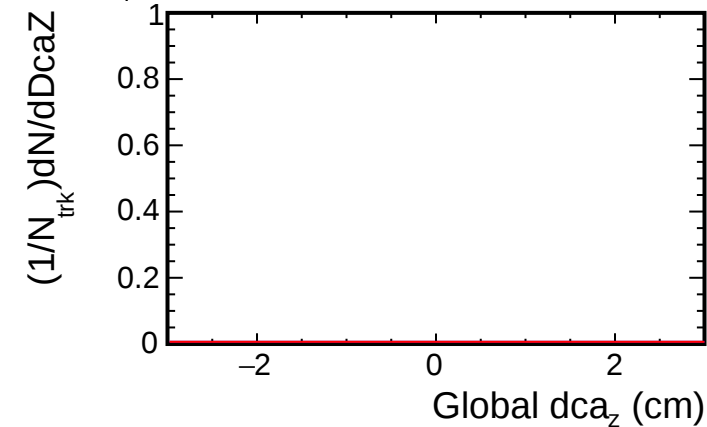
2, $1.0 < p_T < 1.5$ (GeV/c)



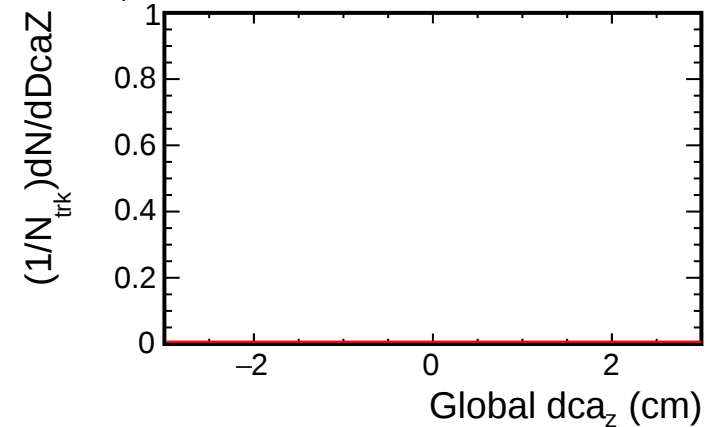
4, $1.0 < p_T < 1.5$ (GeV/c)



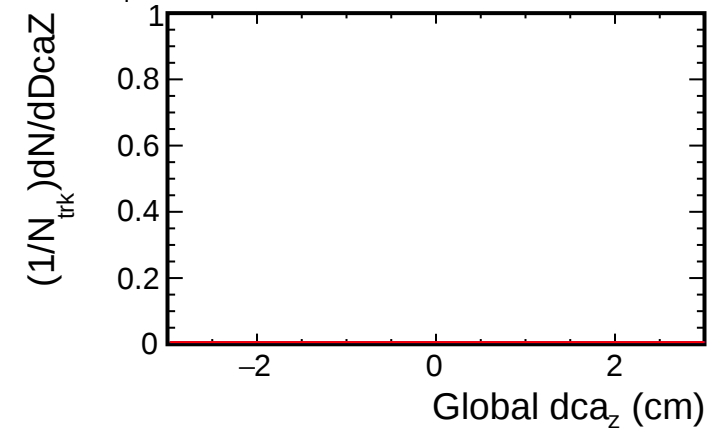
6, $1.0 < p_T < 1.5$ (GeV/c)



8, $1.0 < p_T < 1.5$ (GeV/c)



0, $1.0 < p_T < 1.5$ (GeV/c)

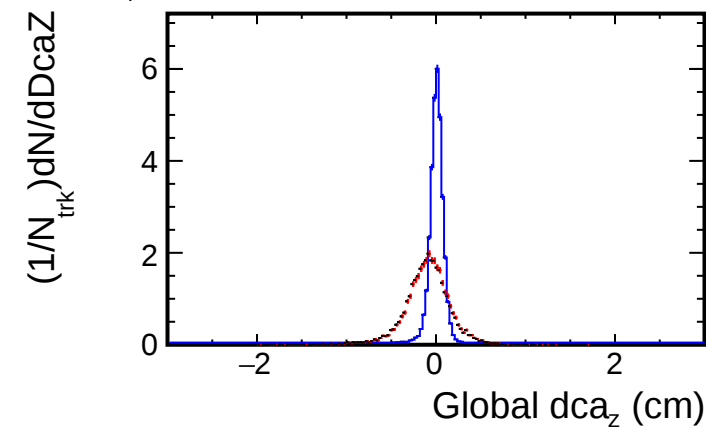


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

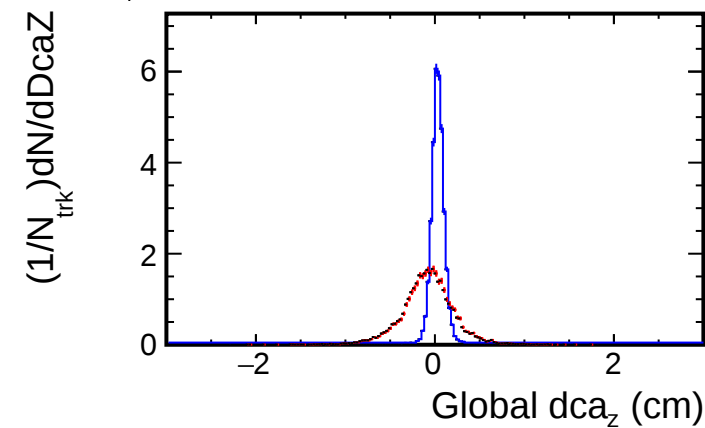
— π^+
(PRIMARY, $|\ln \sigma_{\pi^+}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

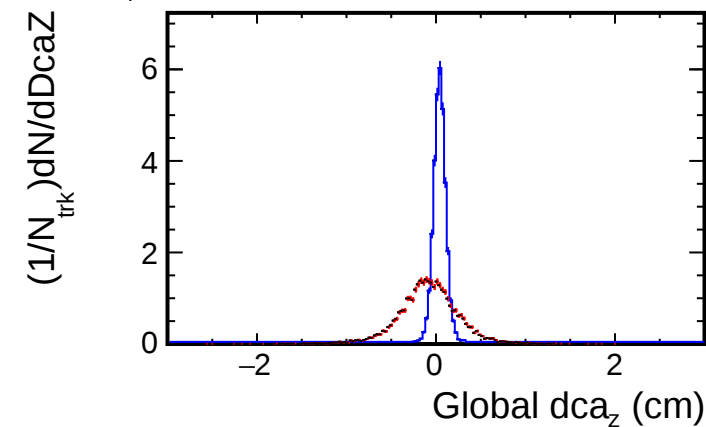
1.8, $1.5 < p_T < 2.0$ (GeV/c)



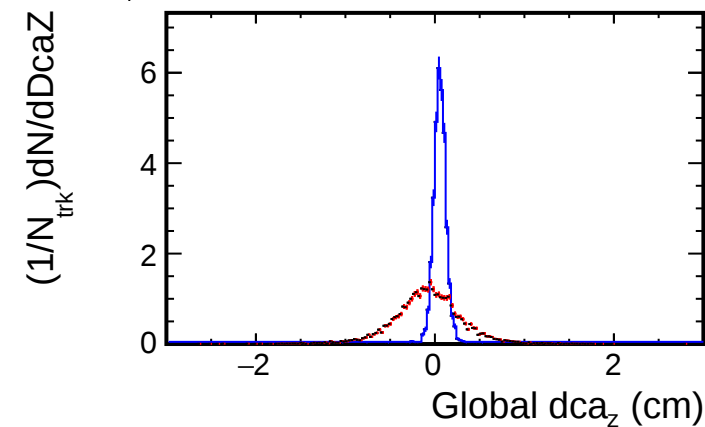
1.6, $1.5 < p_T < 2.0$ (GeV/c)



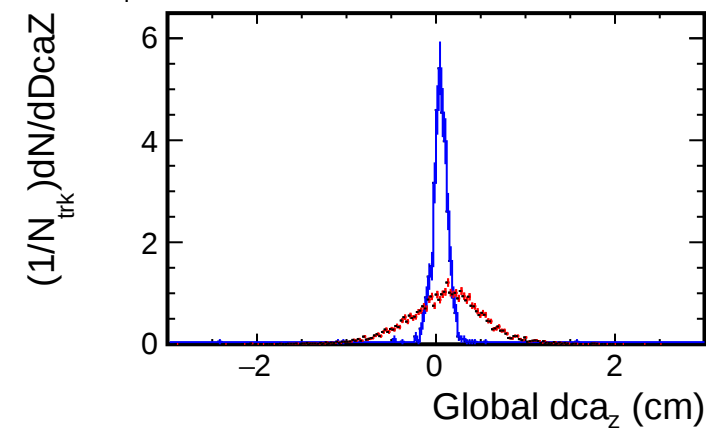
1.4, $1.5 < p_T < 2.0$ (GeV/c)



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



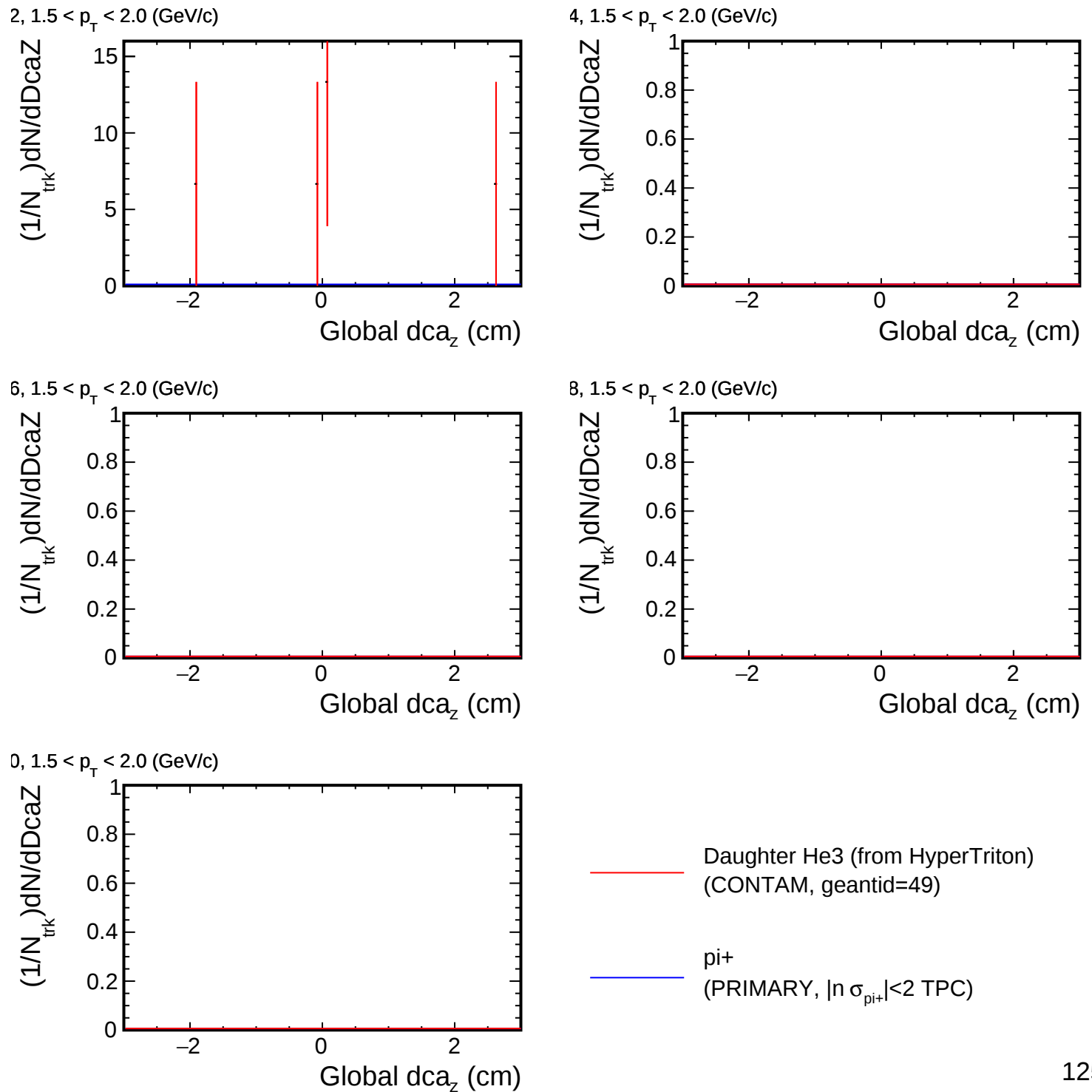
1.0, $1.5 < p_T < 2.0$ (GeV/c)



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

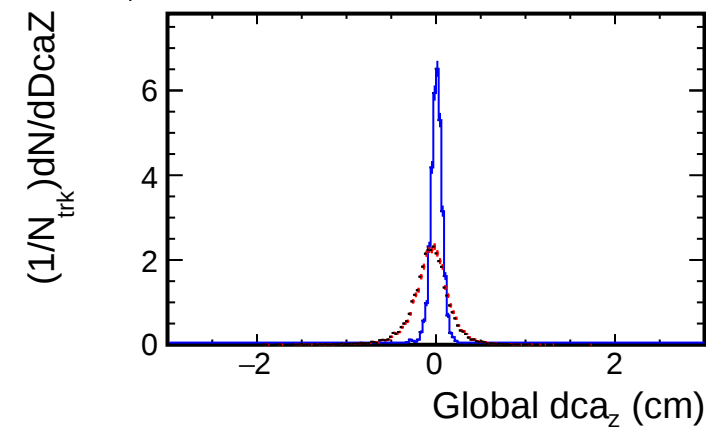
— pi+
(PRIMARY, $|\ln \sigma_{\pi^+}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

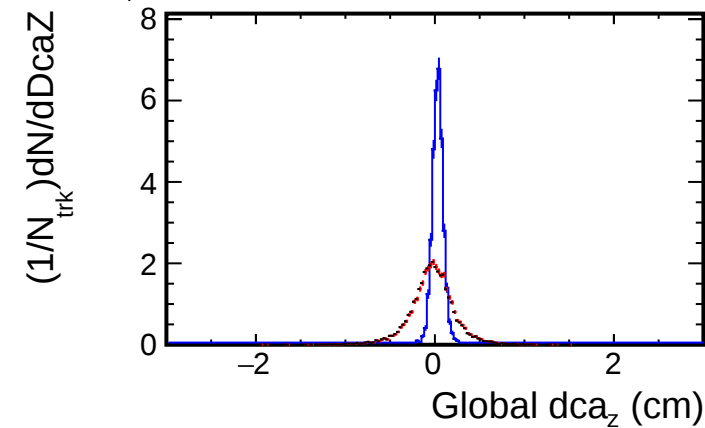


DcaZ distribution for (p_T , η) slices

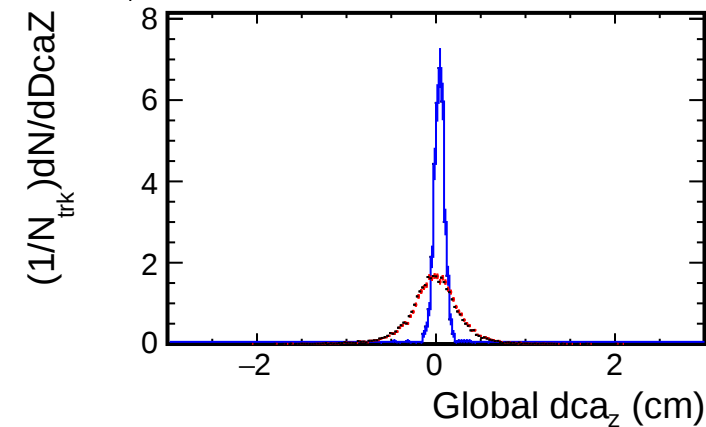
1.8, $2.0 < p_T < 2.5$ (GeV/c)



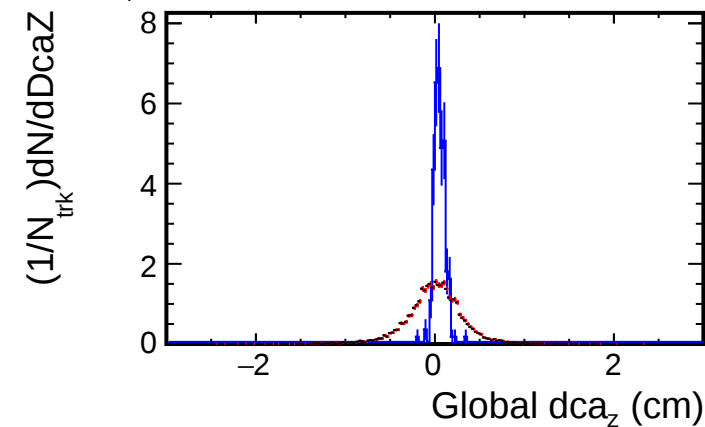
1.6, $2.0 < p_T < 2.5$ (GeV/c)



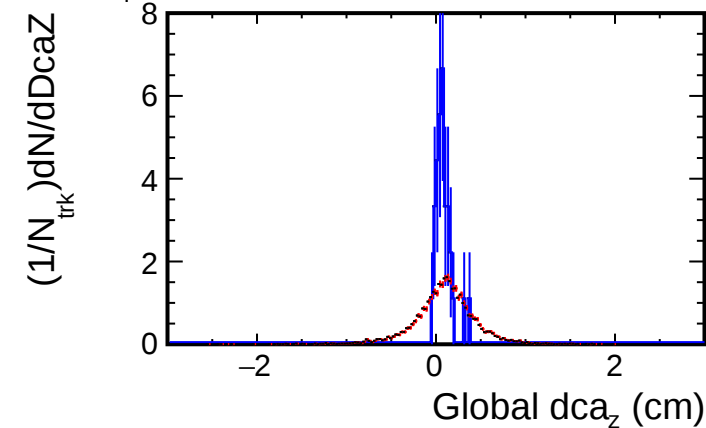
1.4, $2.0 < p_T < 2.5$ (GeV/c)



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



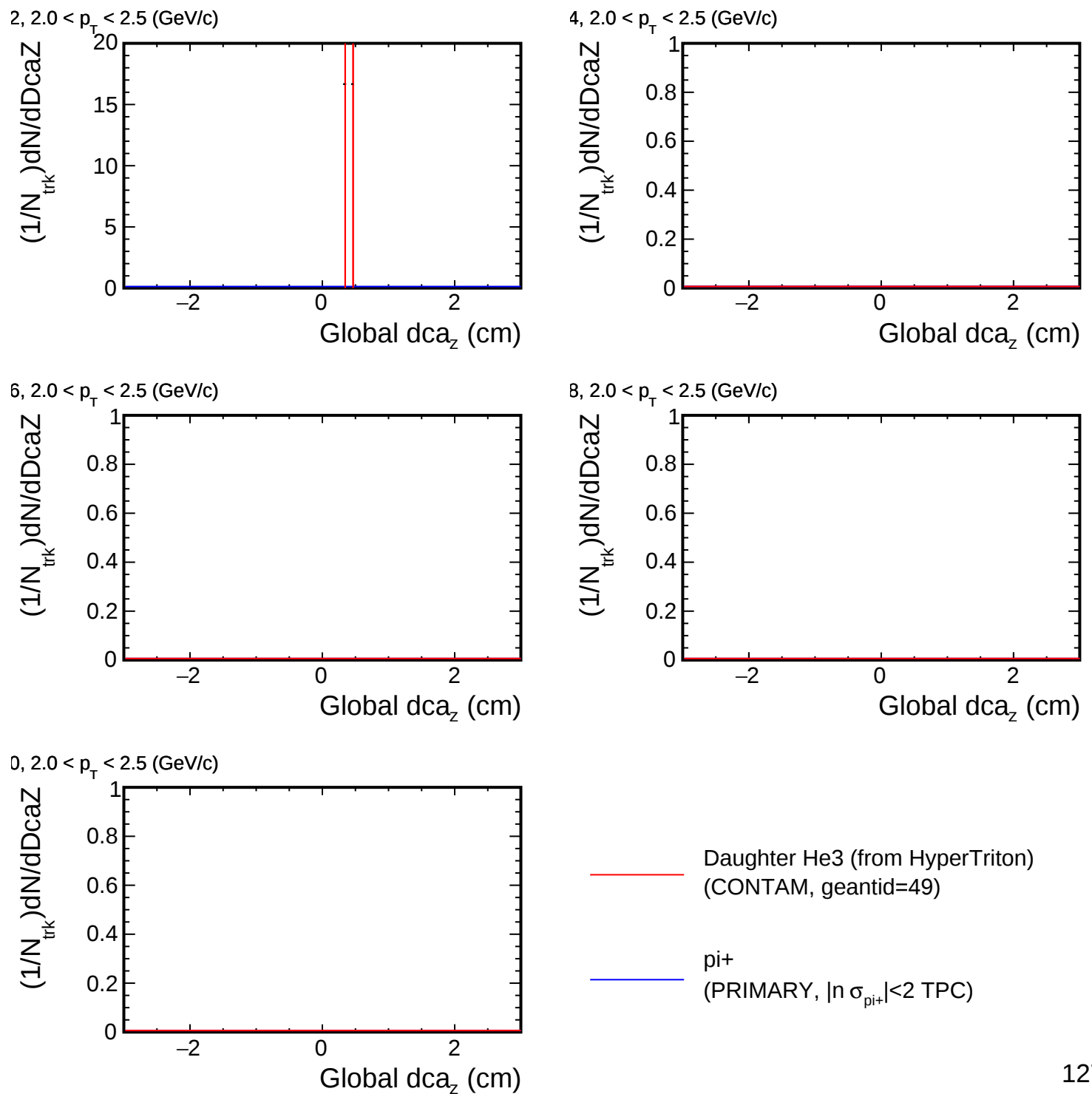
1.0, $2.0 < p_T < 2.5$ (GeV/c)



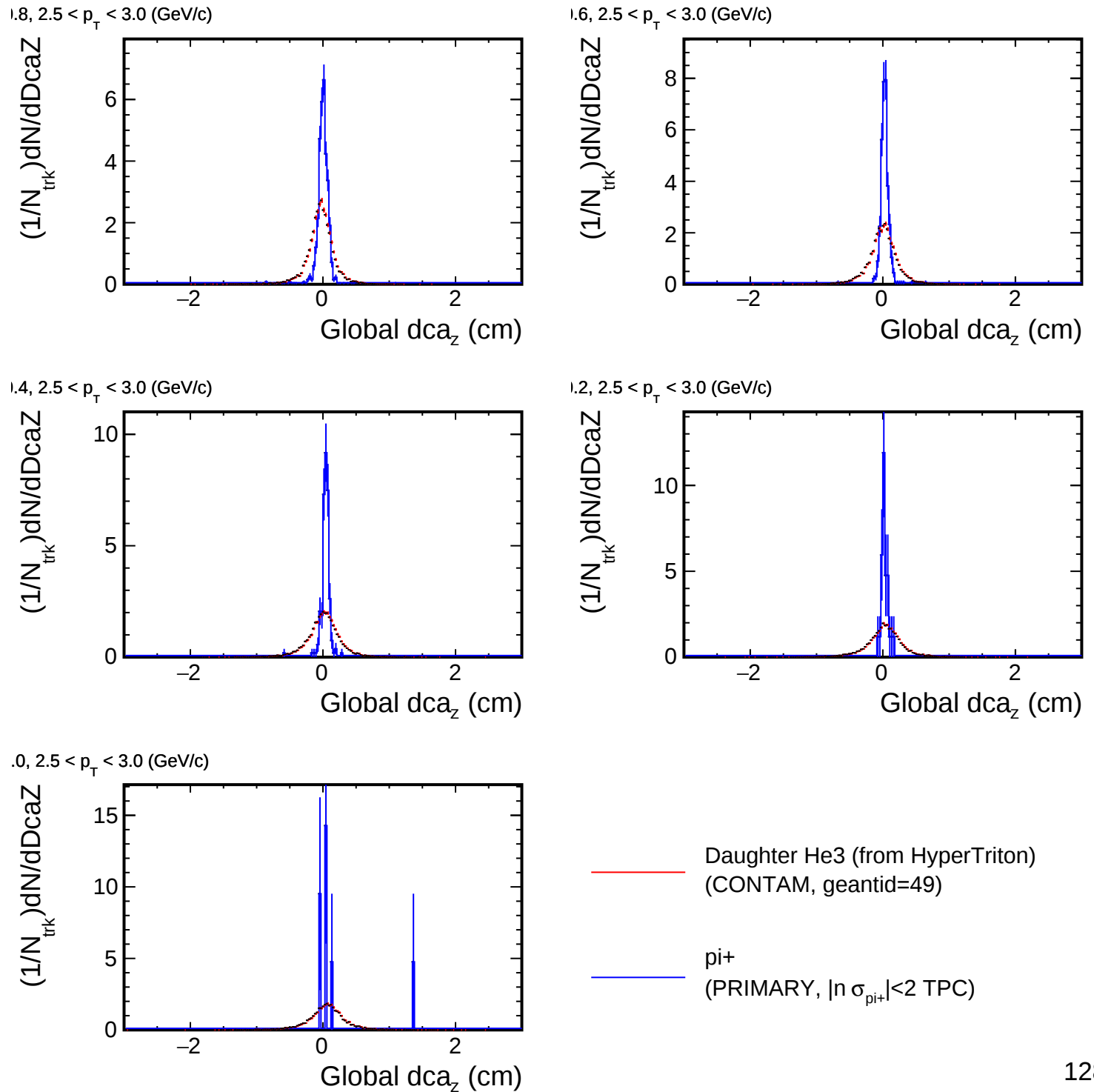
— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

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

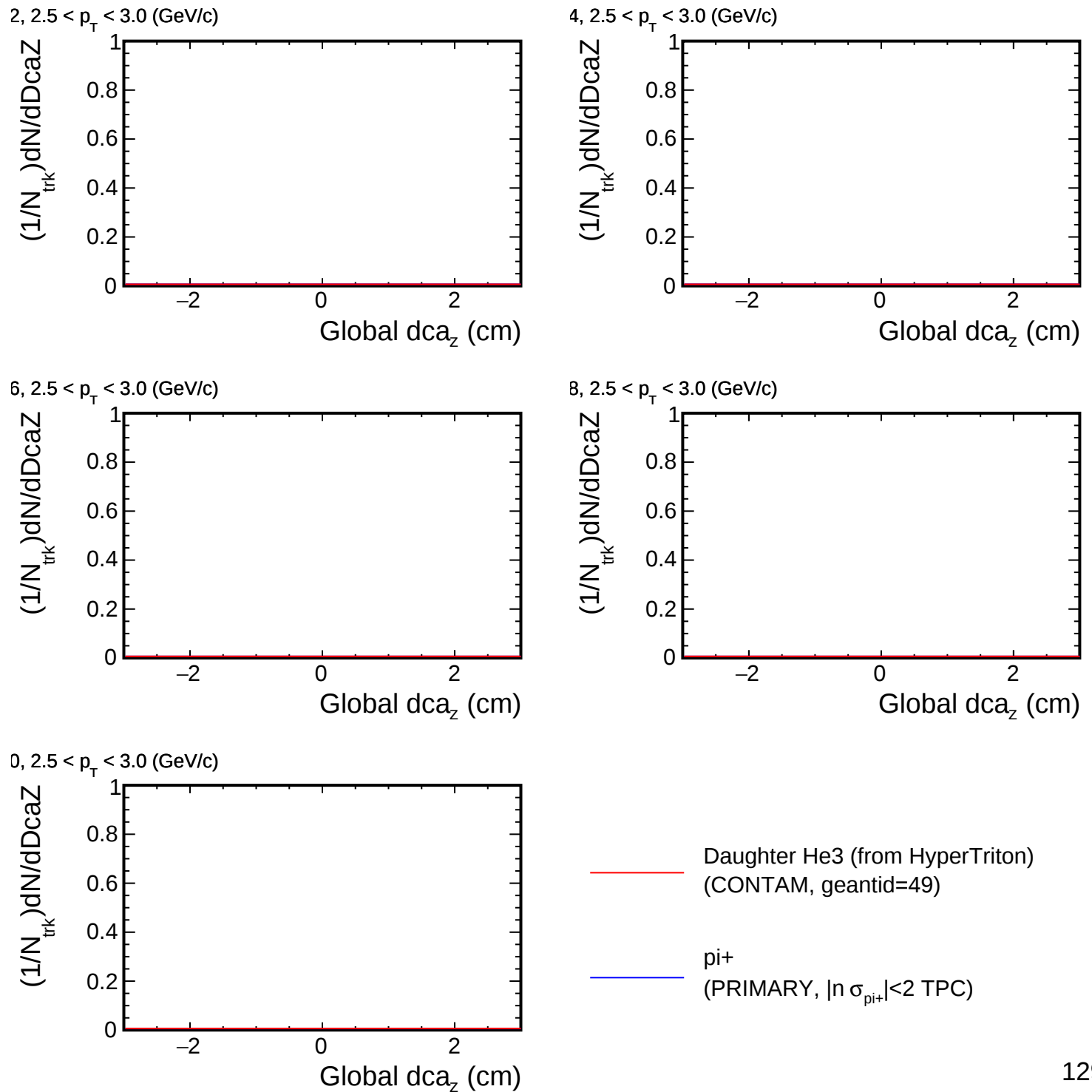
DcaZ distribution for (p_T , η) slices



DcaZ distribution for (p_T , η) slices

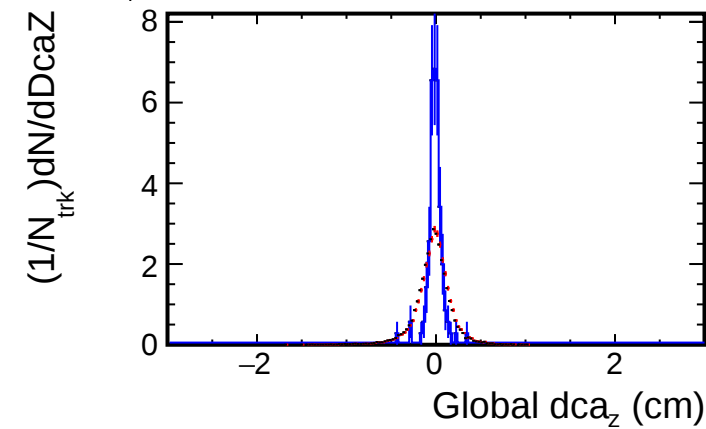


DcaZ distribution for (p_T , η) slices

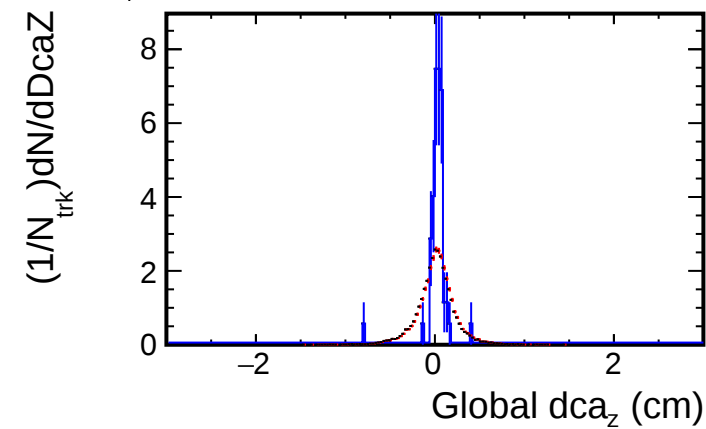


DcaZ distribution for (p_T , η) slices

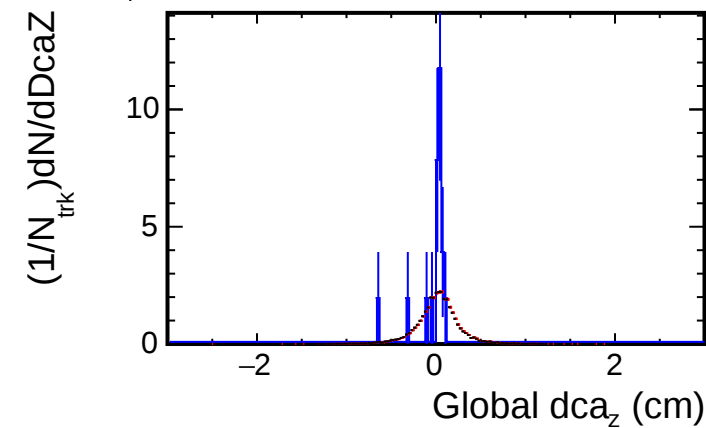
1.8, $3.0 < p_T < 3.5$ (GeV/c)



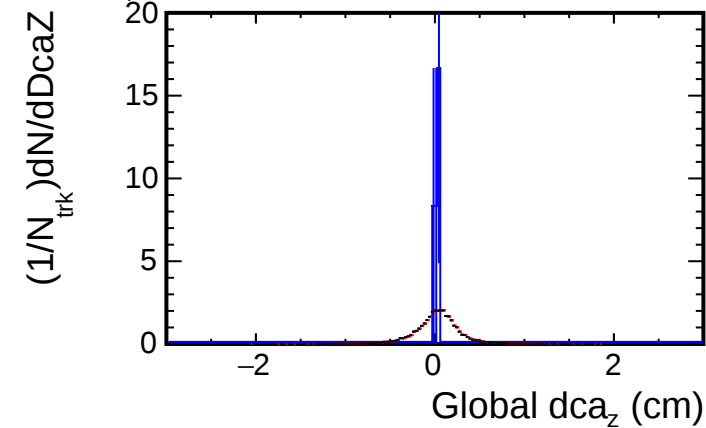
1.6, $3.0 < p_T < 3.5$ (GeV/c)



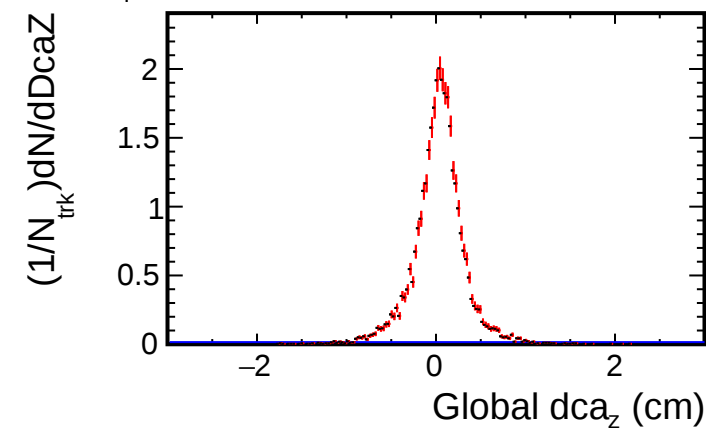
1.4, $3.0 < p_T < 3.5$ (GeV/c)



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



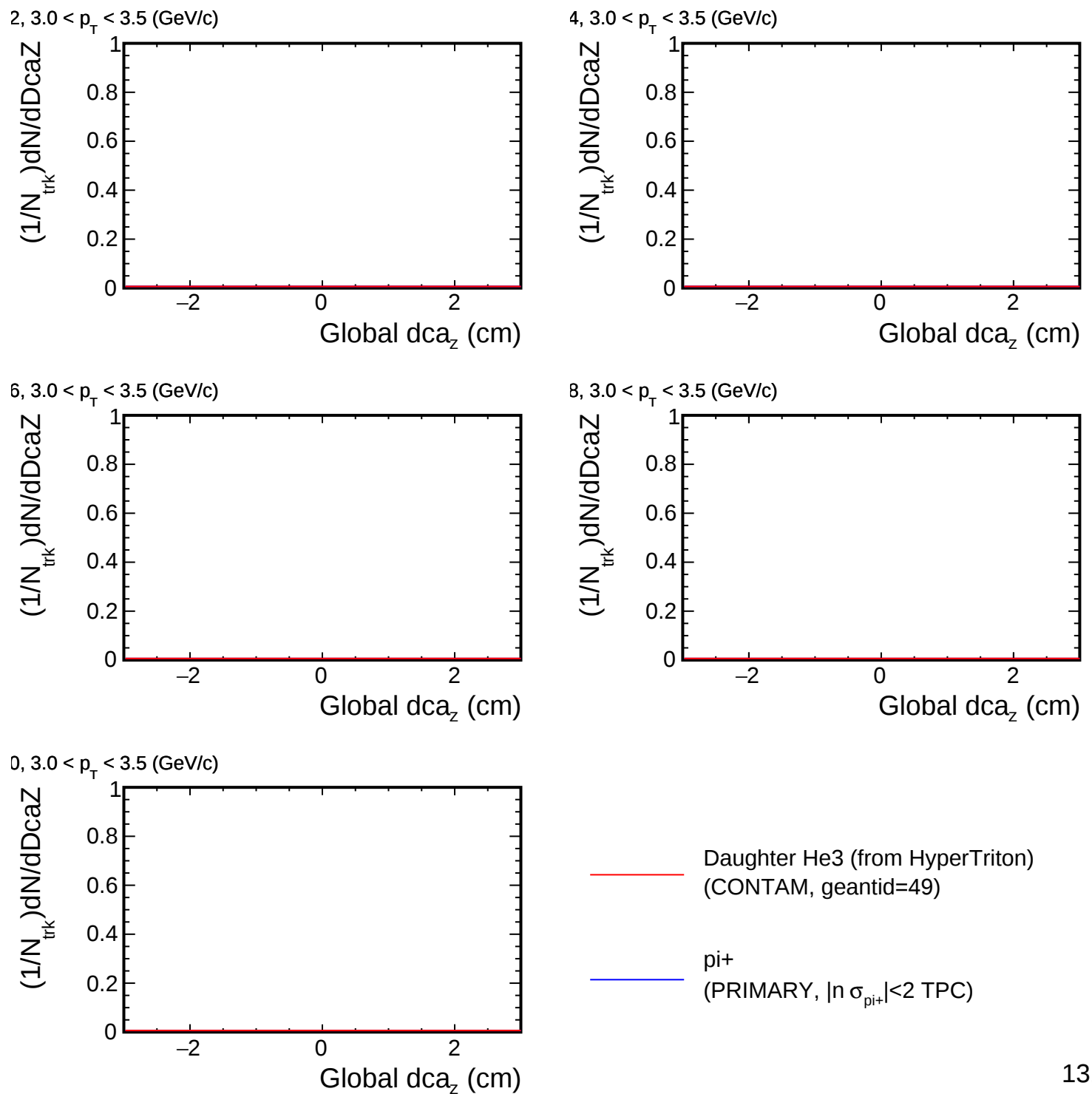
1.0, $3.0 < p_T < 3.5$ (GeV/c)



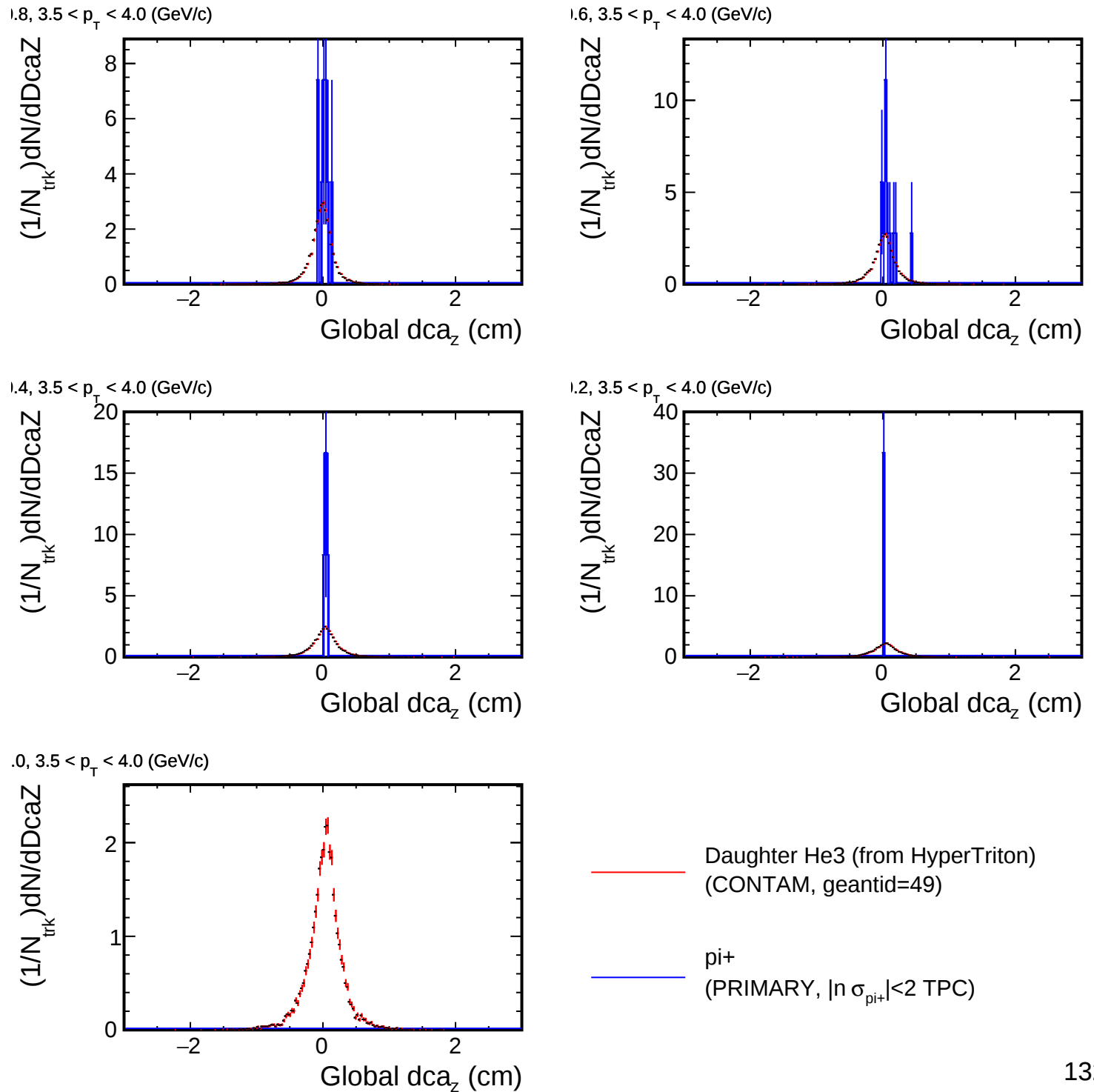
— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

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

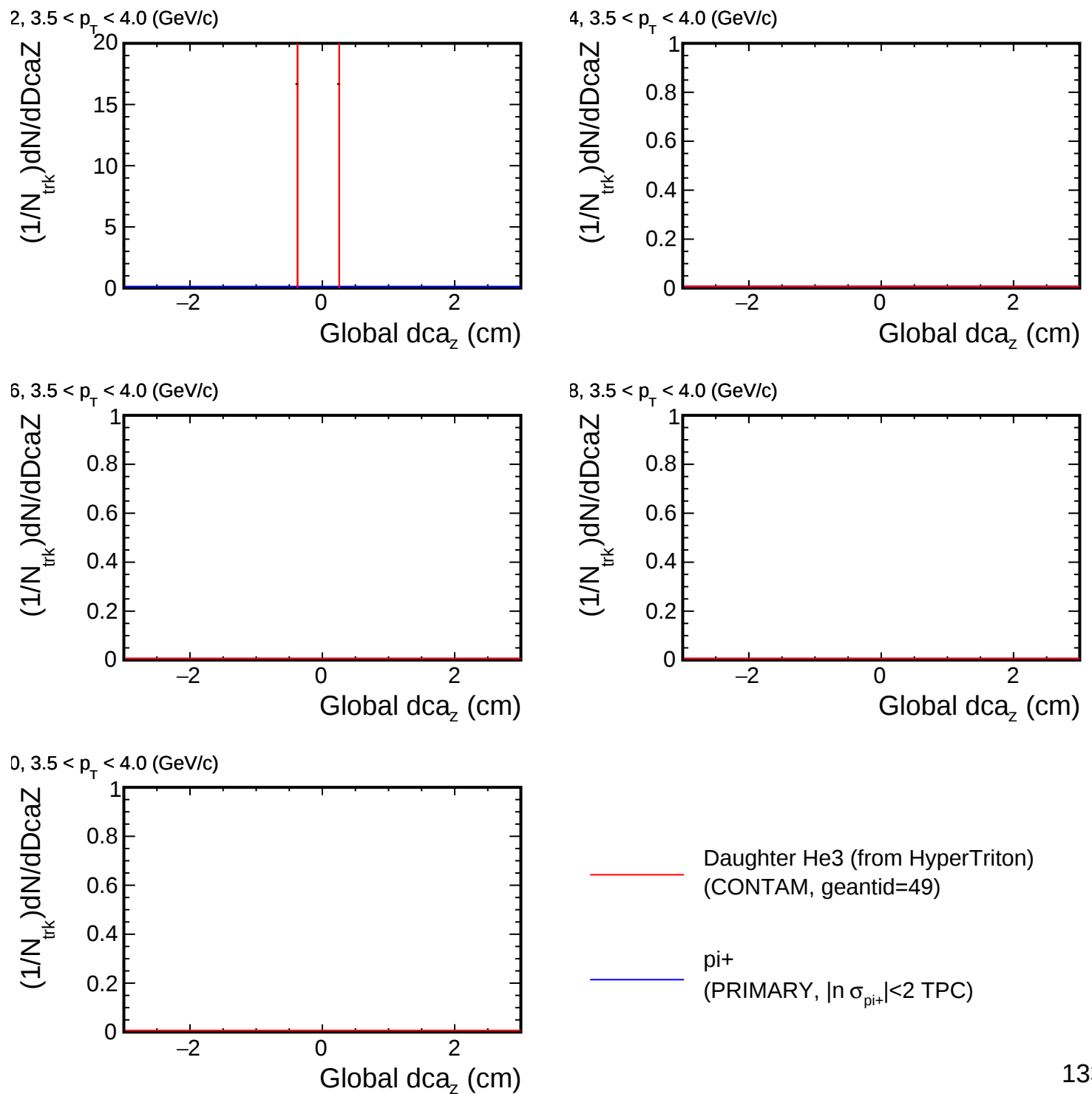
DcaZ distribution for (p_T , η) slices



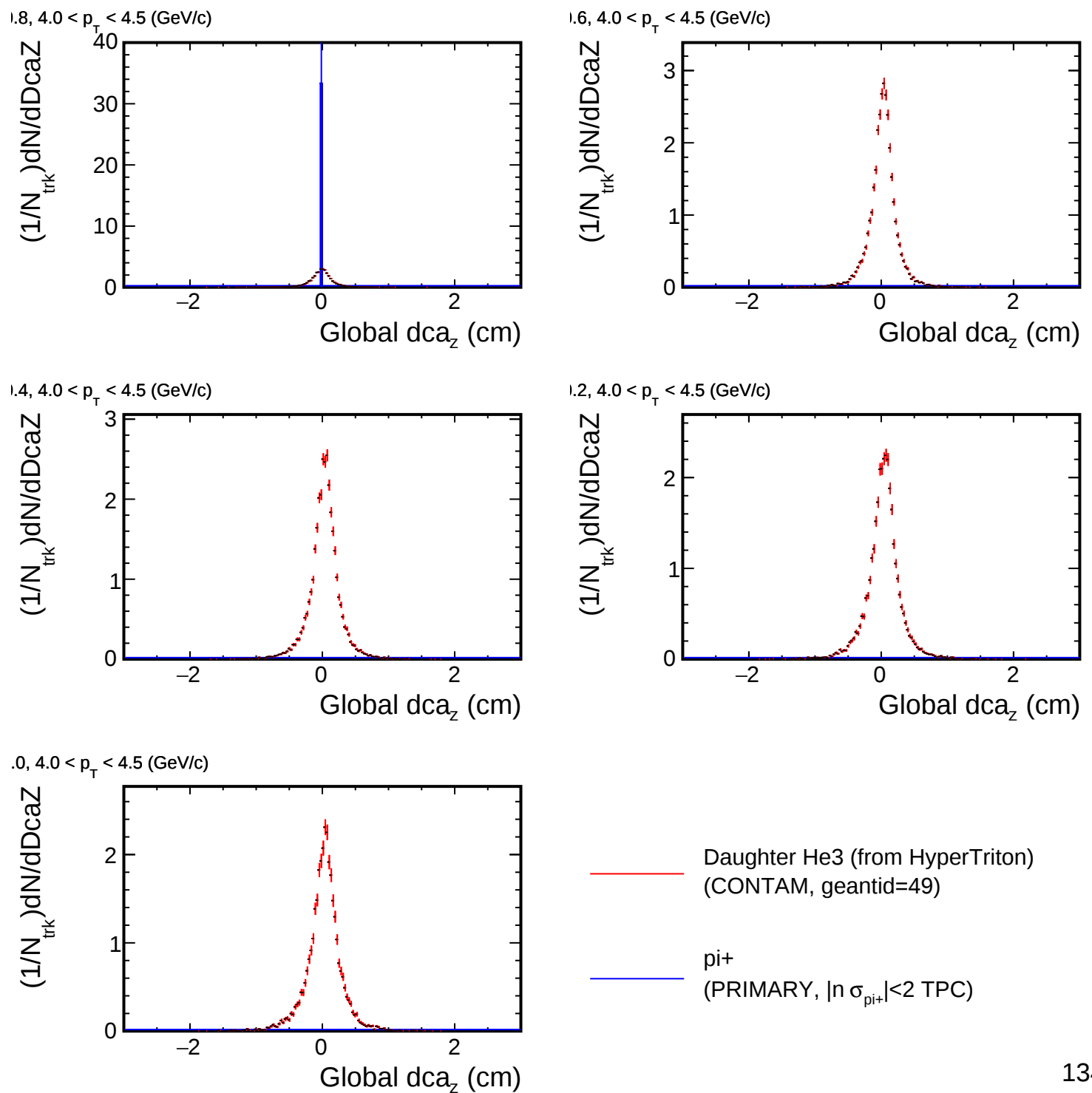
DcaZ distribution for (p_T , η) slices



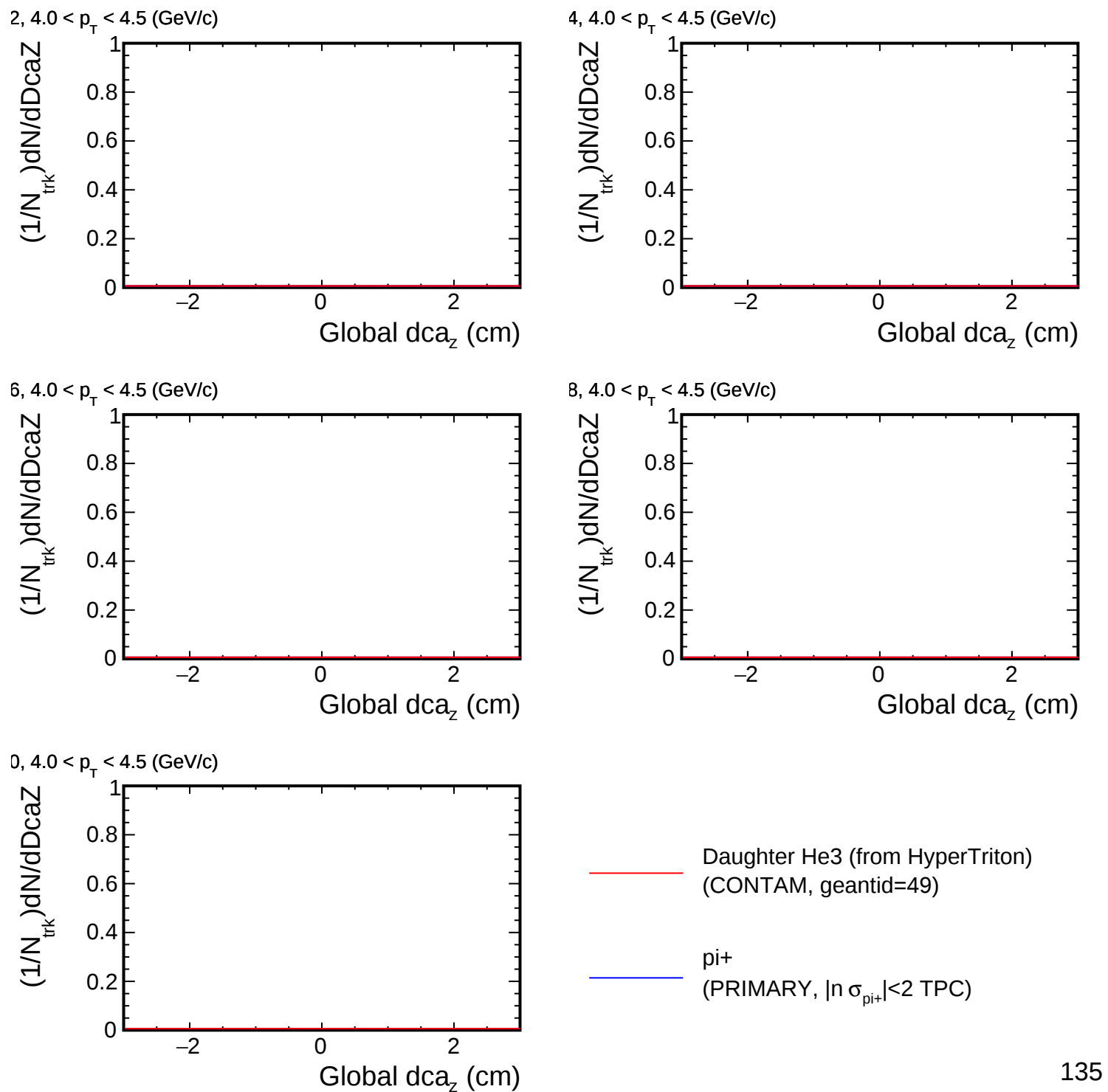
DcaZ distribution for (p_T , η) slices



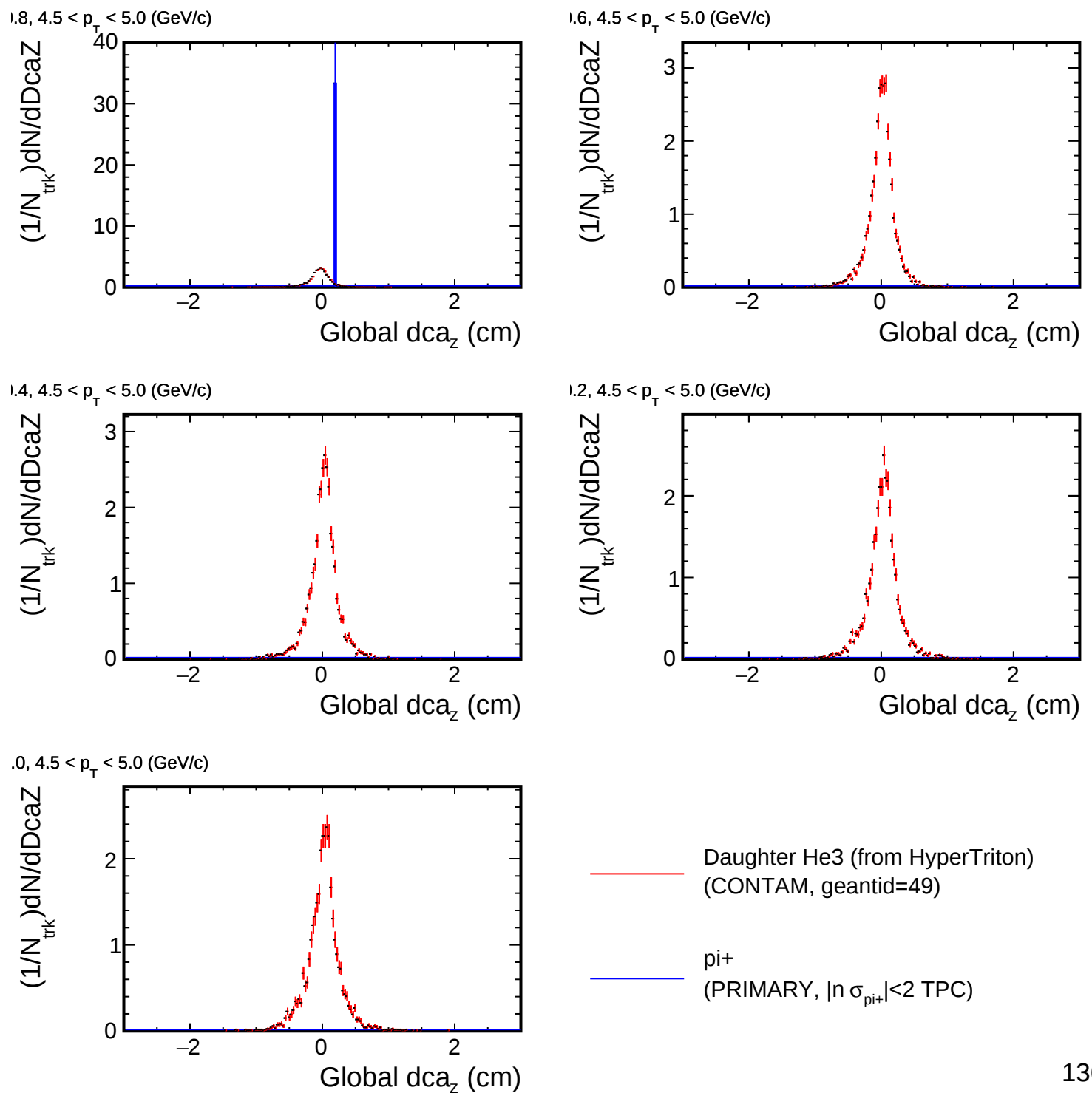
DcaZ distribution for (p_T , η) slices



DcaZ distribution for (p_T , η) slices

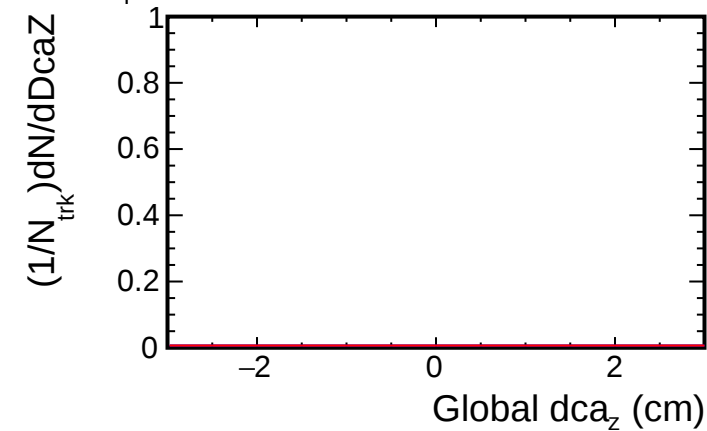


DcaZ distribution for (p_T , η) slices

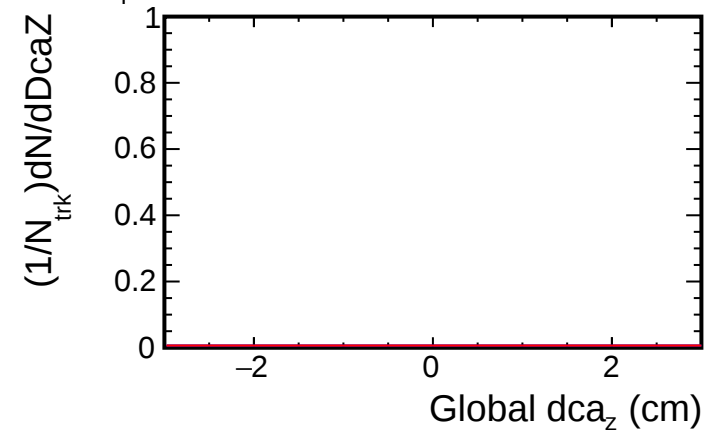


DcaZ distribution for (p_T , η) slices

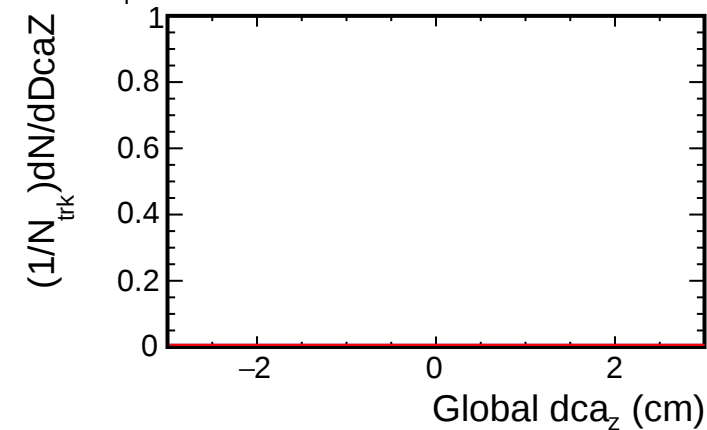
2, $4.5 < p_T < 5.0$ (GeV/c)



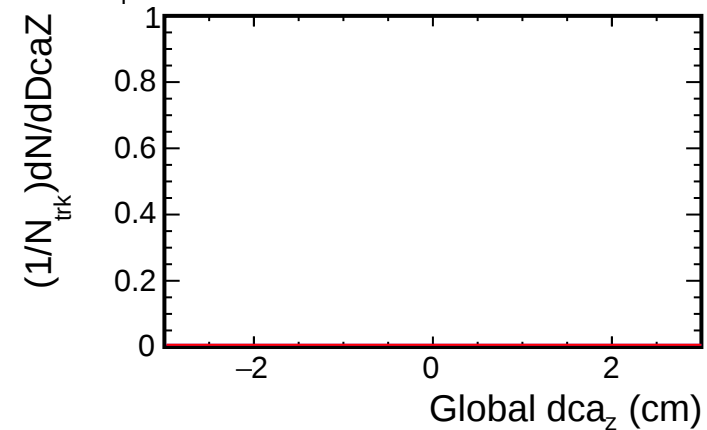
4, $4.5 < p_T < 5.0$ (GeV/c)



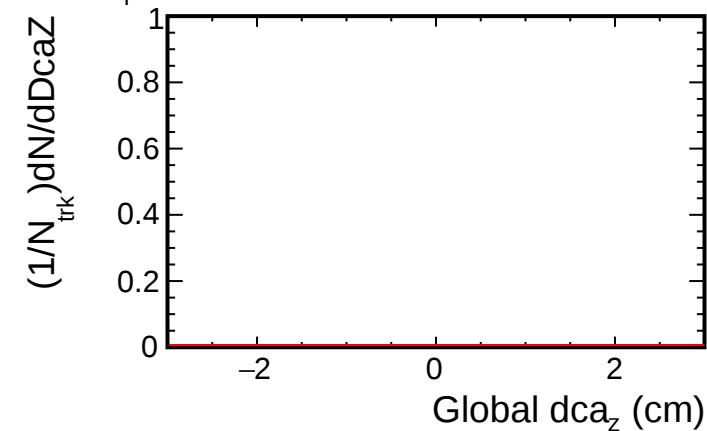
6, $4.5 < p_T < 5.0$ (GeV/c)



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



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

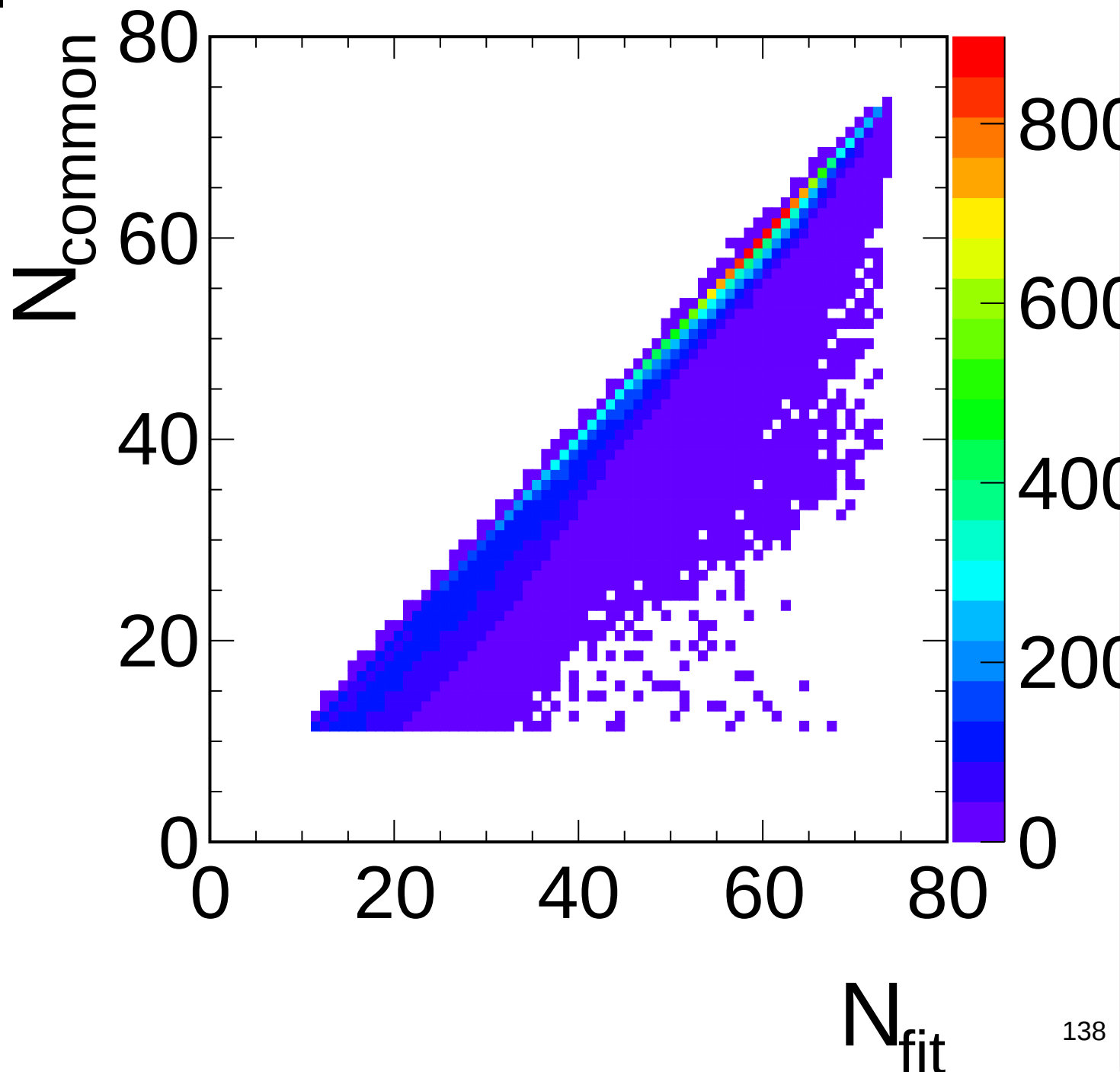


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

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

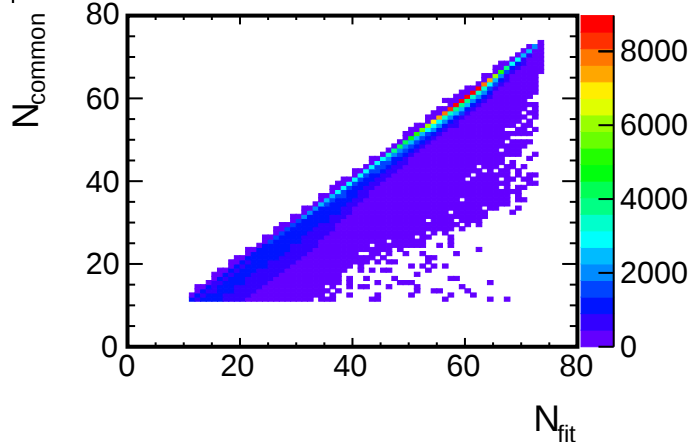
N_{common} vs N_{hit} (Embedding:pi-, Real:pi-)

$p_T < 5.0$ GeV/c

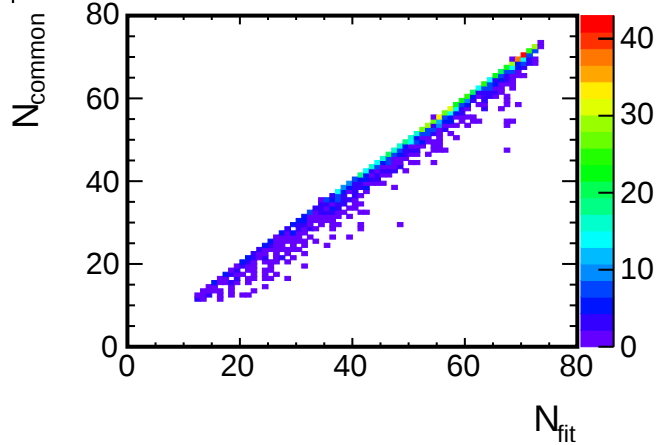


N_{common} vs N_{hit} , p_T dependence (Embedding:pi-, Real:pi-)

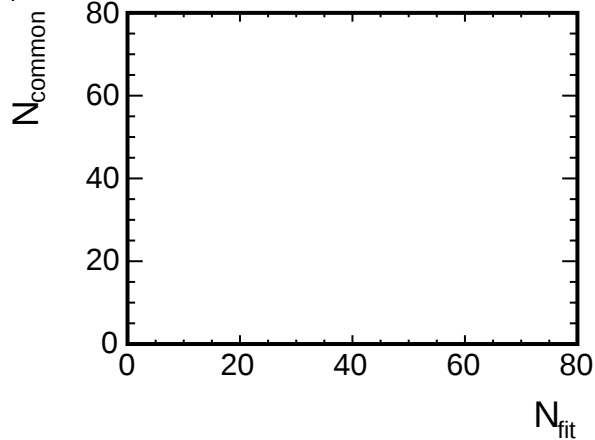
$< p_T < 0.5$ GeV/c



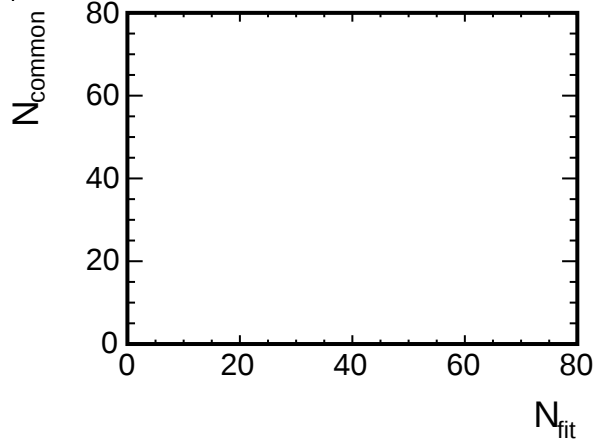
$< p_T < 1.0$ GeV/c



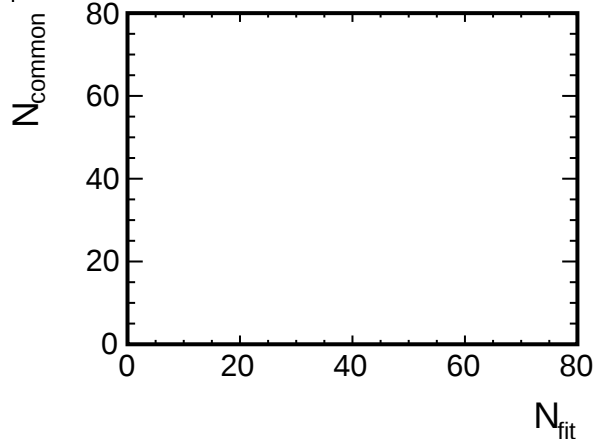
$< p_T < 1.5$ GeV/c



$< p_T < 2.0$ GeV/c

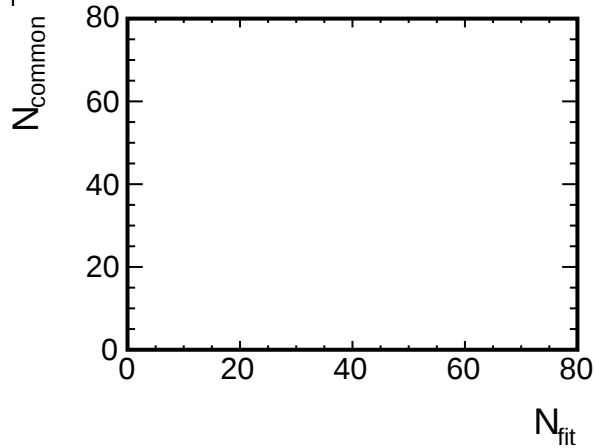


$< p_T < 2.5$ GeV/c

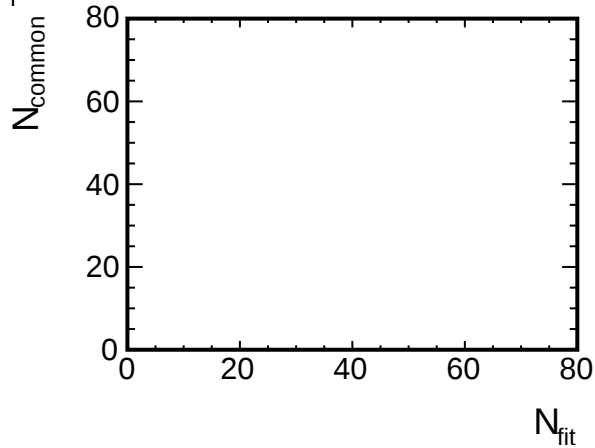


N_{common} vs N_{hit} , p_T dependence (Embedding:pi-, Real:pi-)

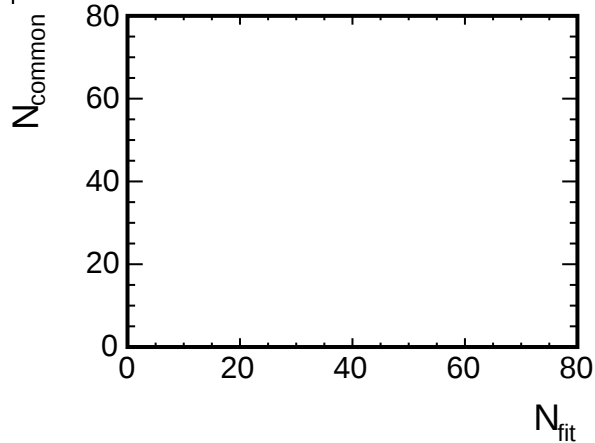
$< p_T < 3.0$ GeV/c



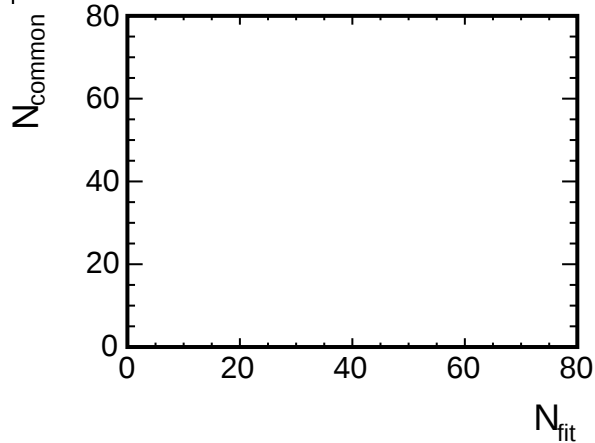
$< p_T < 3.5$ GeV/c



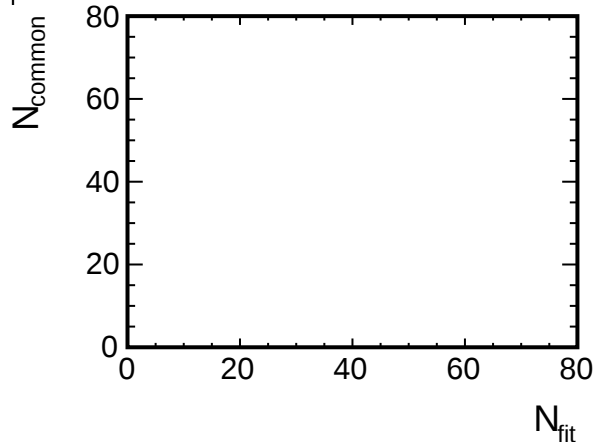
$< p_T < 4.0$ GeV/c



$< p_T < 4.5$ GeV/c

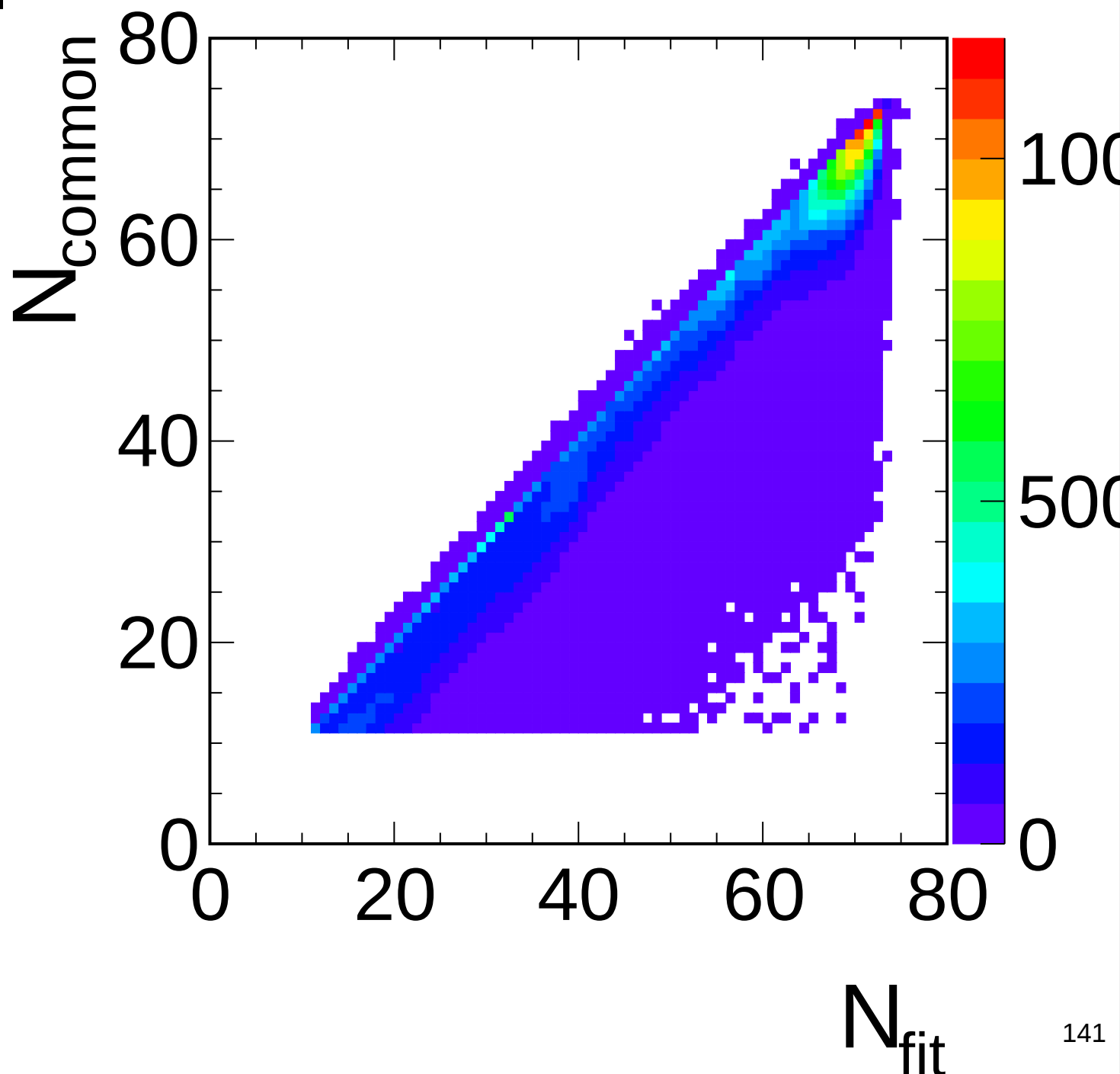


$< p_T < 5.0$ GeV/c



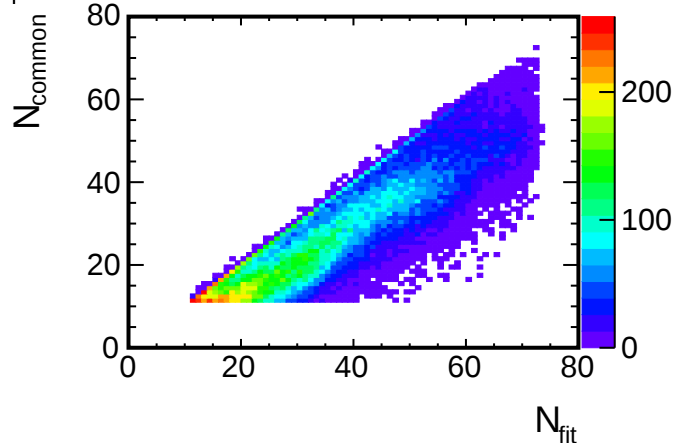
N_{common} vs N_{hit} (Embedding:He3, Real:He3)

$p_T < 5.0$ GeV/c

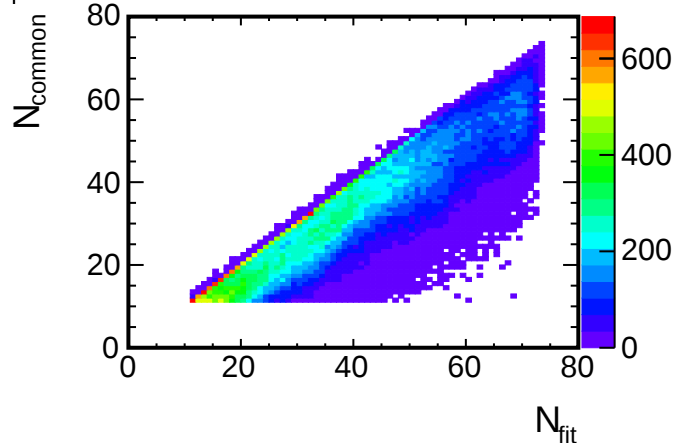


N_{common} vs N_{hit} , p_T dependence (Embedding:He3, Real:He3)

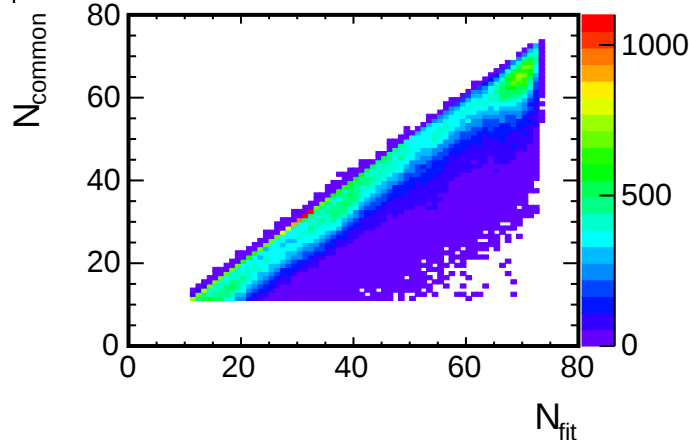
$< p_T < 0.5$ GeV/c



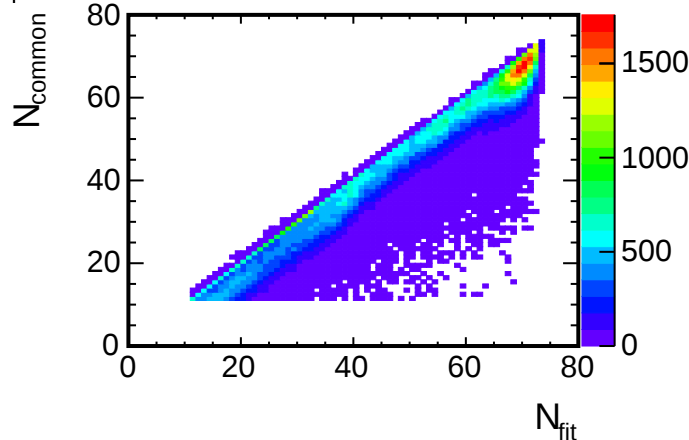
$< p_T < 1.0$ GeV/c



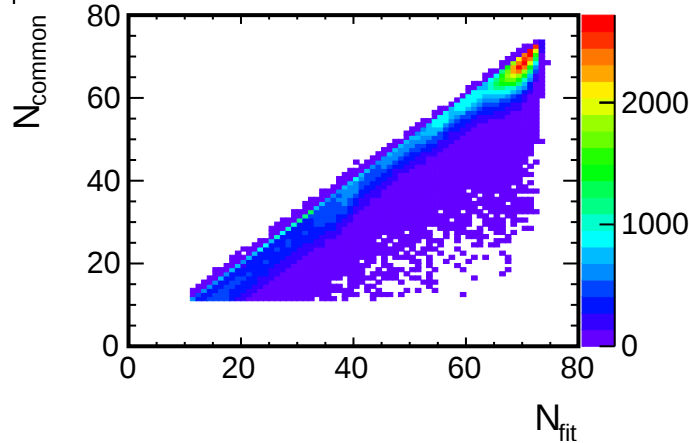
$< p_T < 1.5$ GeV/c



$< p_T < 2.0$ GeV/c

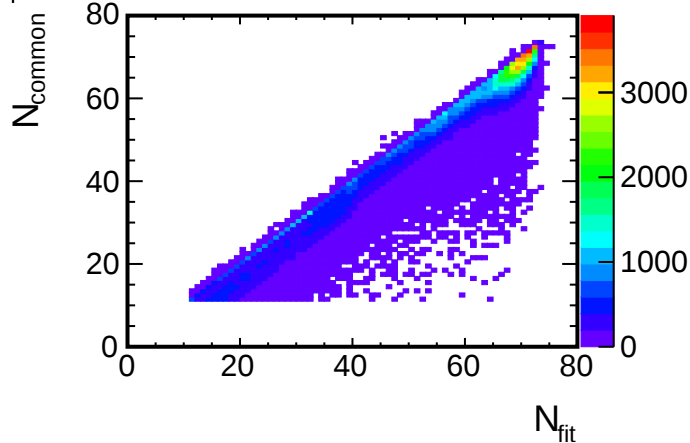


$< p_T < 2.5$ GeV/c

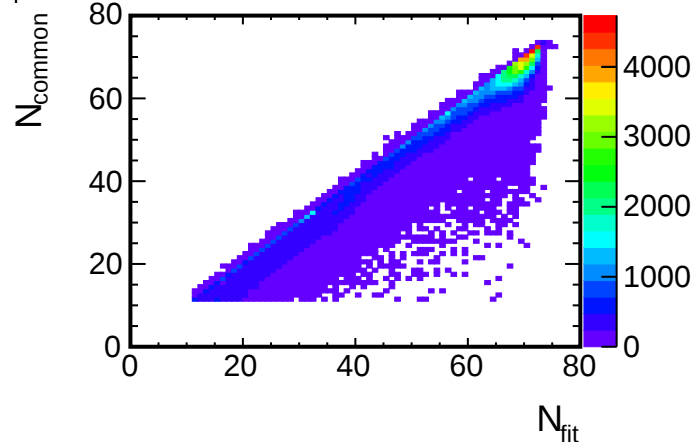


N_{common} vs N_{hit} , p_T dependence (Embedding:He3, Real:He3)

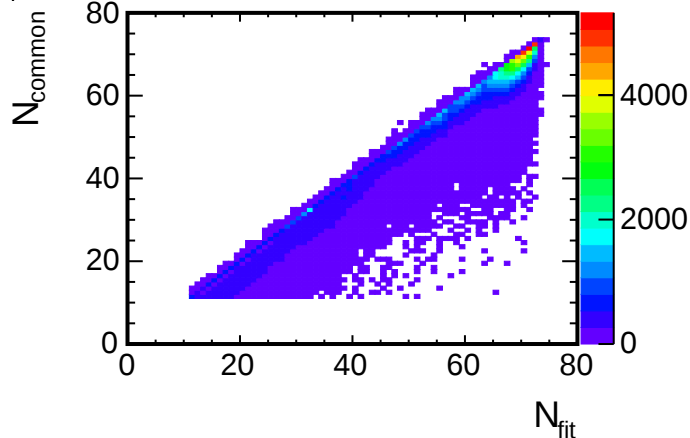
$< p_T < 3.0$ GeV/c



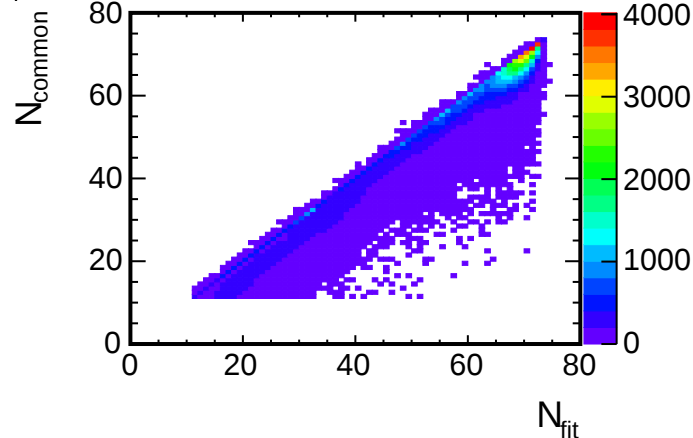
$< p_T < 3.5$ GeV/c



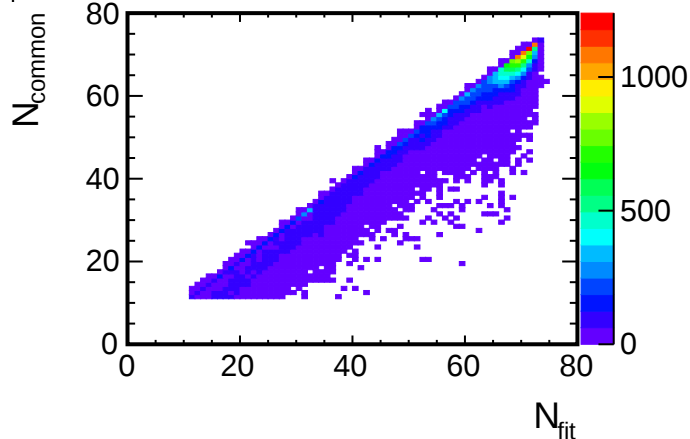
$< p_T < 4.0$ GeV/c



$< p_T < 4.5$ GeV/c

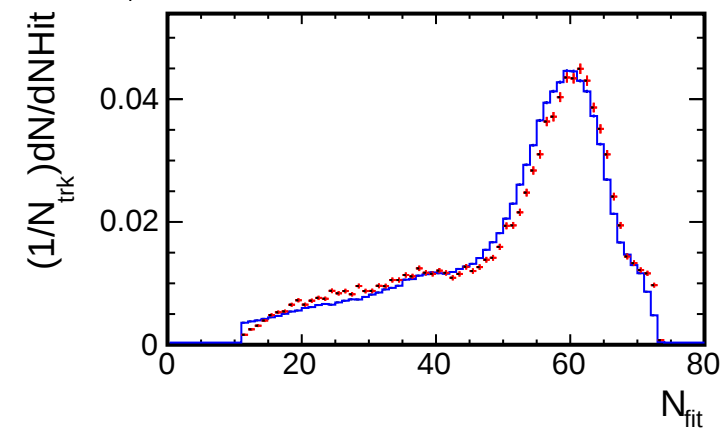


$< p_T < 5.0$ GeV/c

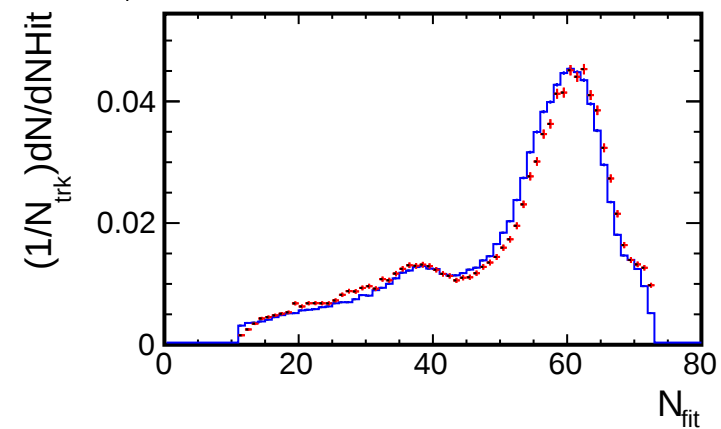


NHit distribution for (p_T , η) slices

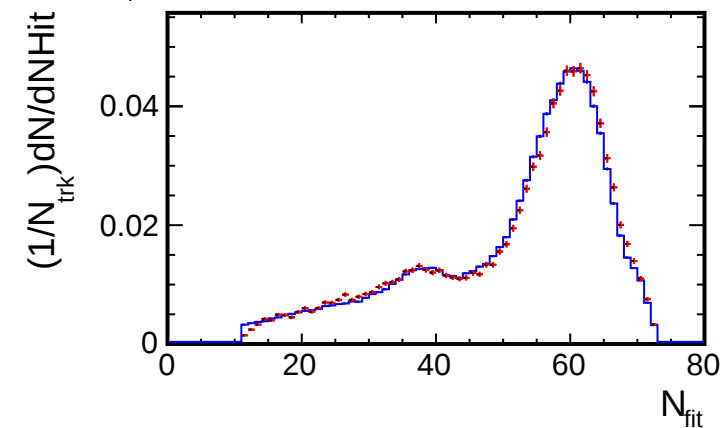
1.8, $0.1 < p_T < 0.5$ (GeV/c)



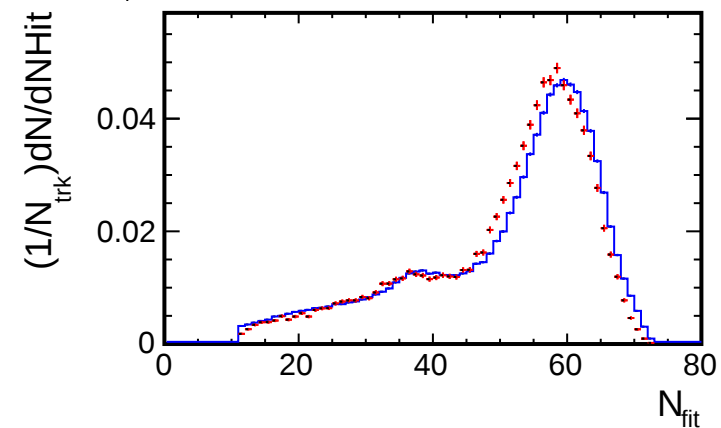
1.6, $0.1 < p_T < 0.5$ (GeV/c)



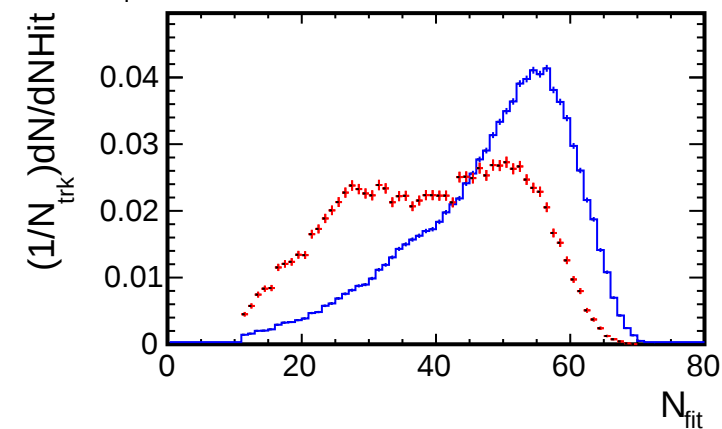
1.4, $0.1 < p_T < 0.5$ (GeV/c)



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



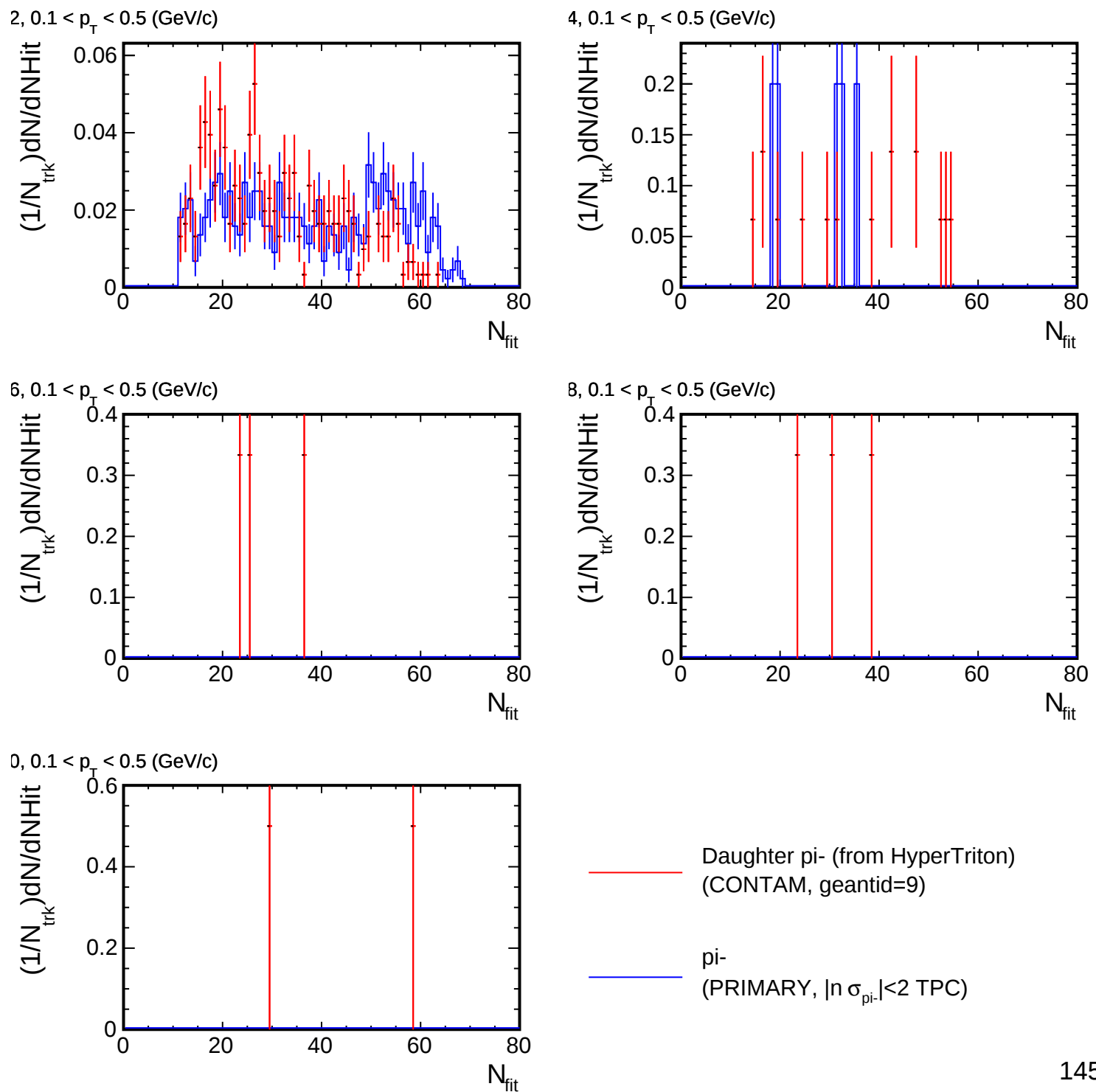
1.0, $0.1 < p_T < 0.5$ (GeV/c)



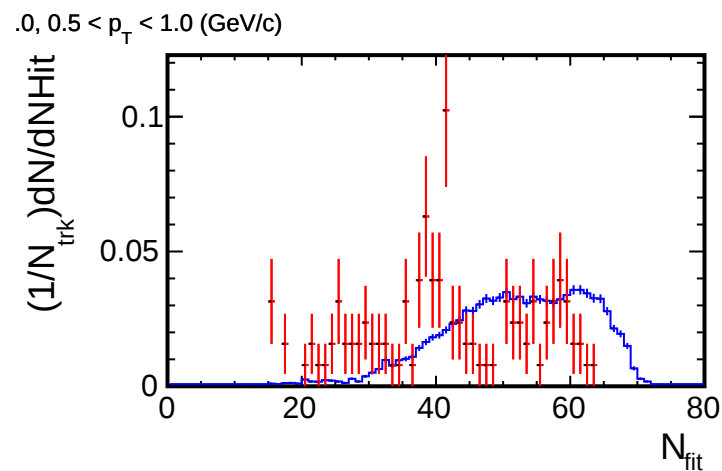
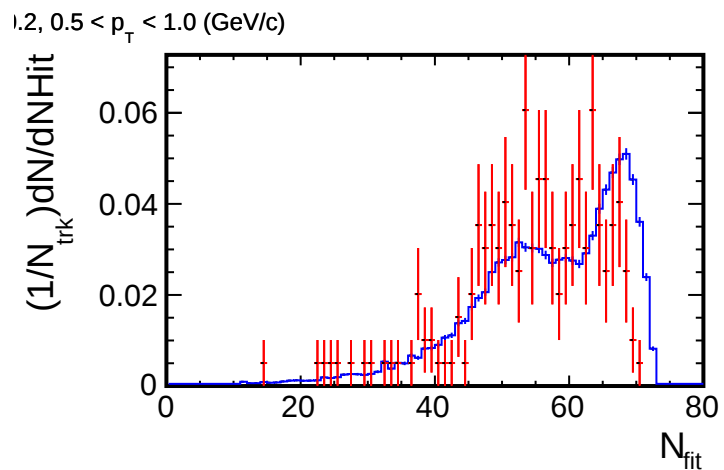
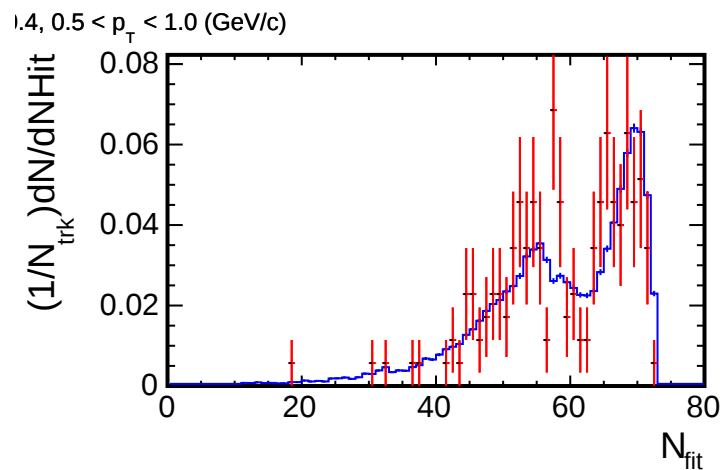
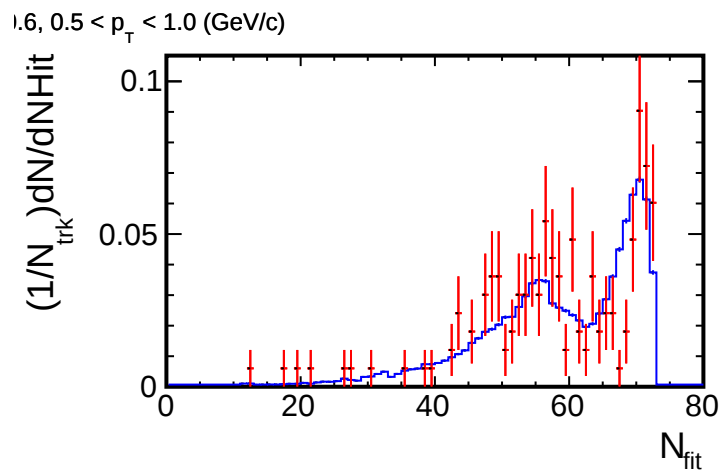
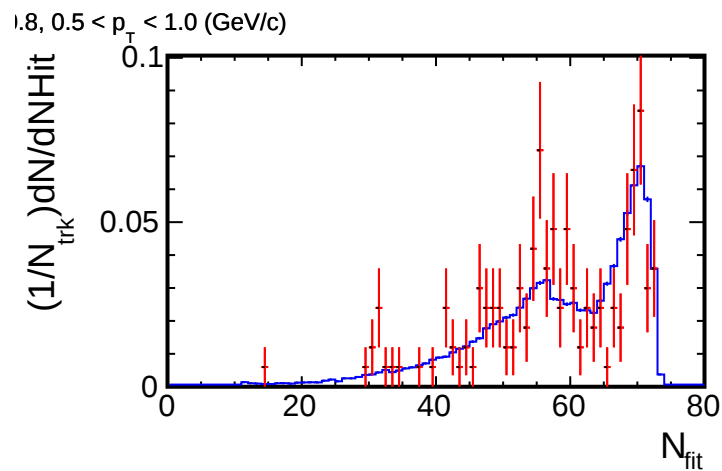
— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

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

NHit distribution for (p_T , η) slices



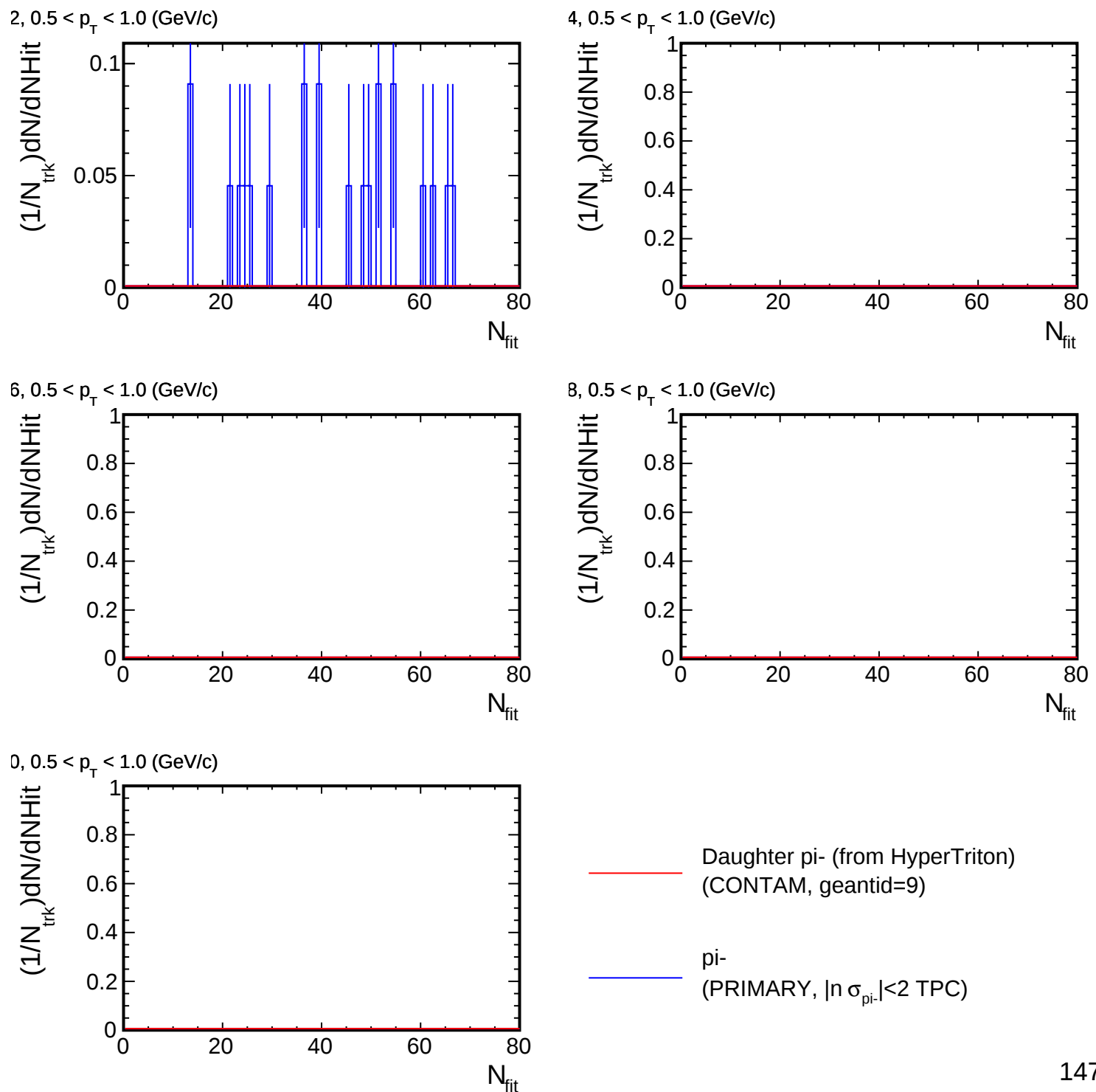
NHit distribution for (p_T , η) slices



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

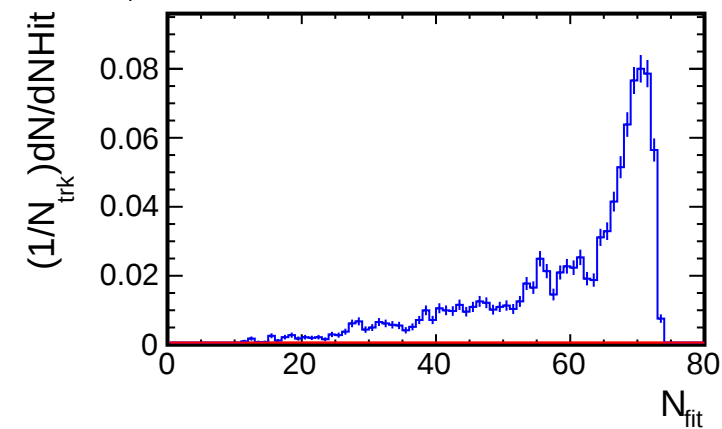
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

NHit distribution for (p_T , η) slices

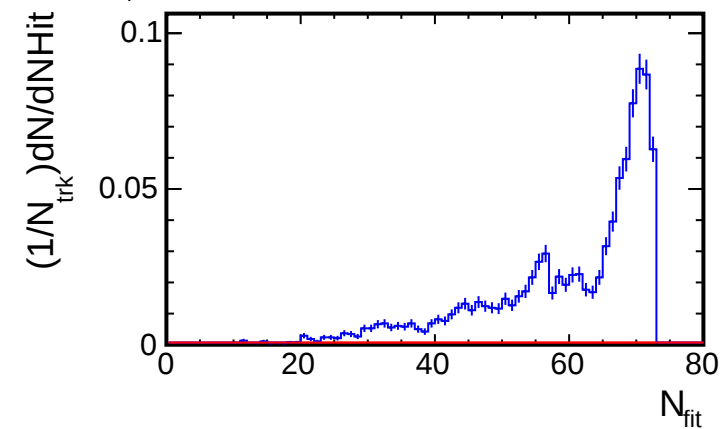


NHit distribution for (p_T , η) slices

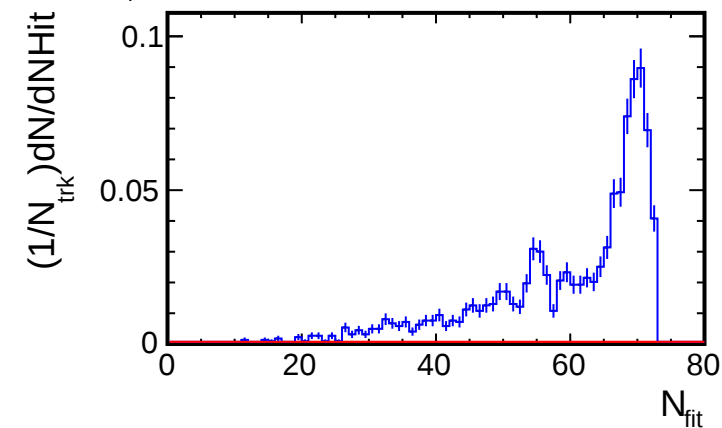
1.8, $1.0 < p_T < 1.5$ (GeV/c)



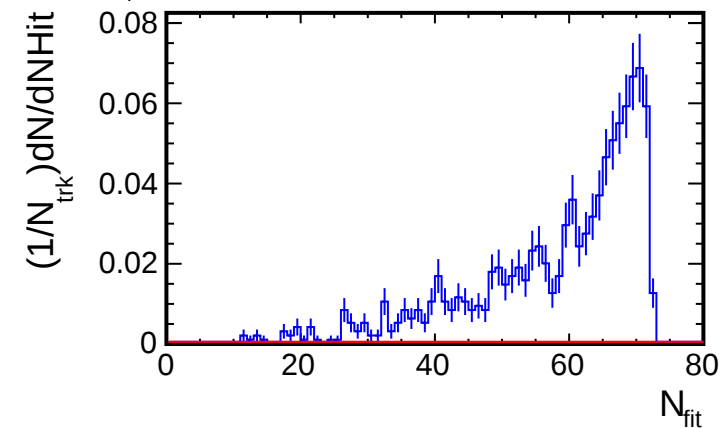
1.6, $1.0 < p_T < 1.5$ (GeV/c)



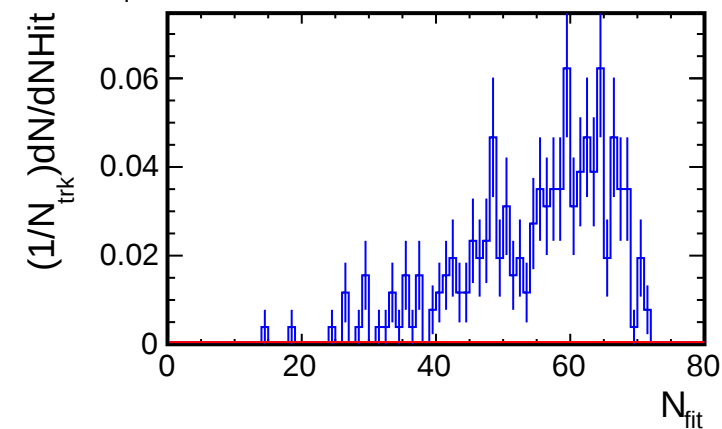
1.4, $1.0 < p_T < 1.5$ (GeV/c)



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



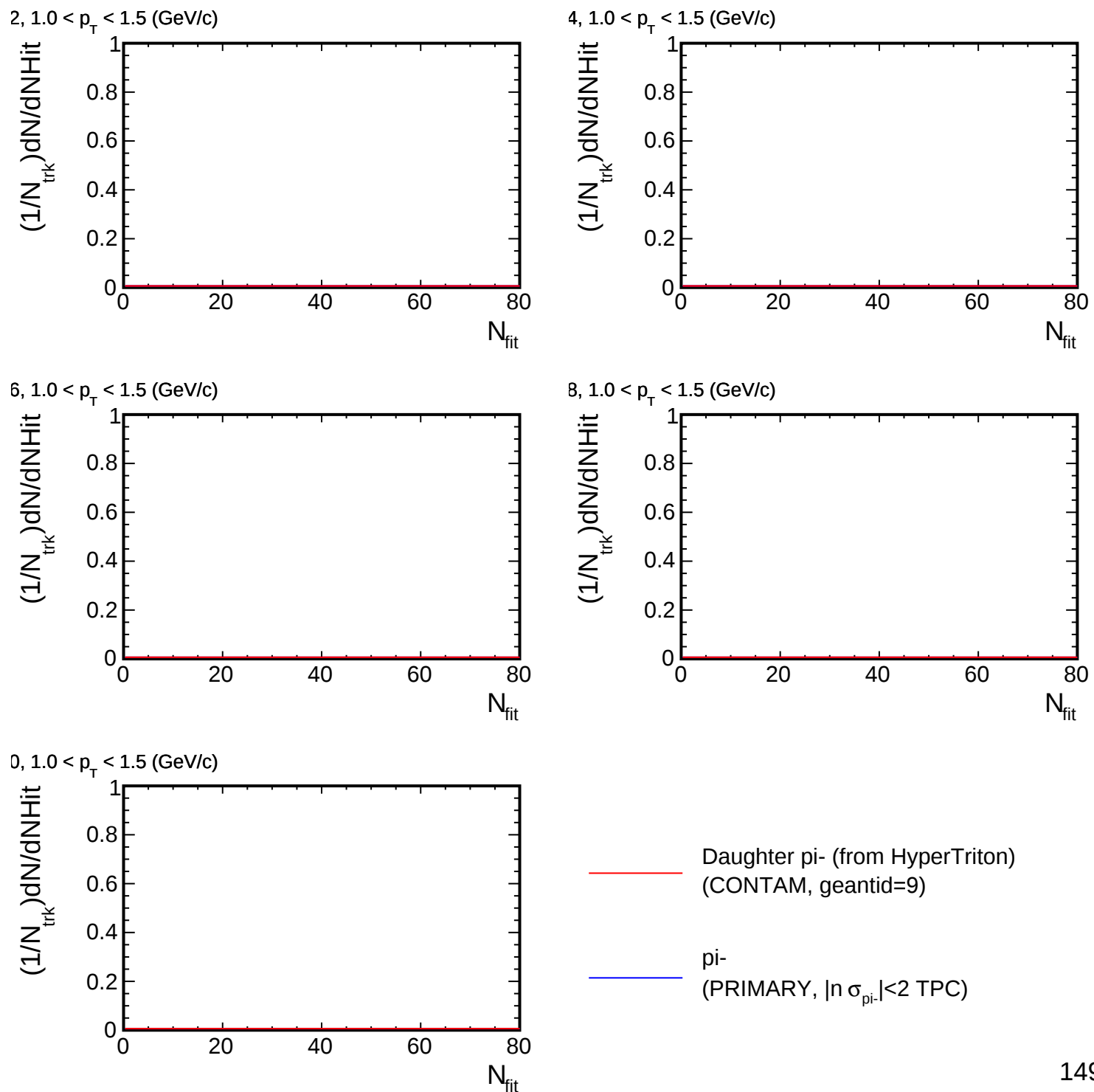
1.0, $1.0 < p_T < 1.5$ (GeV/c)



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

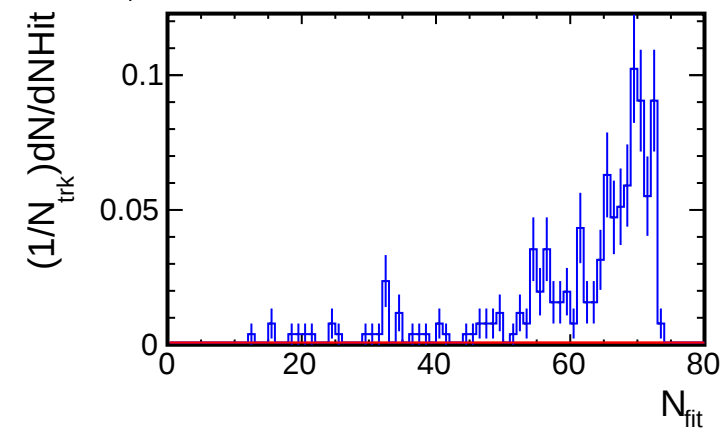
— pi-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

NHit distribution for (p_T , η) slices

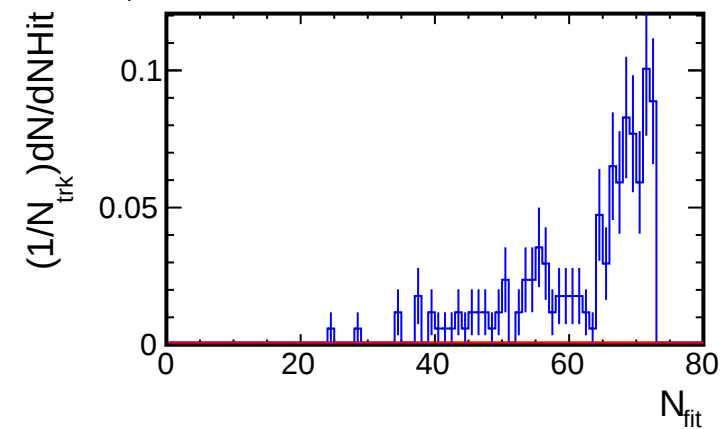


NHit distribution for (p_T , η) slices

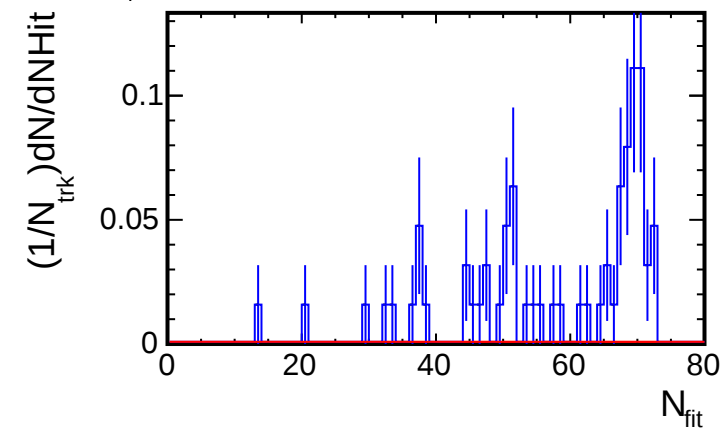
1.8, $1.5 < p_T < 2.0$ (GeV/c)



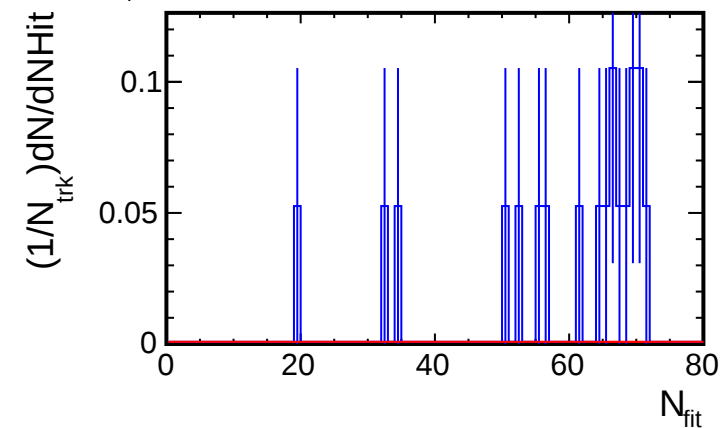
1.6, $1.5 < p_T < 2.0$ (GeV/c)



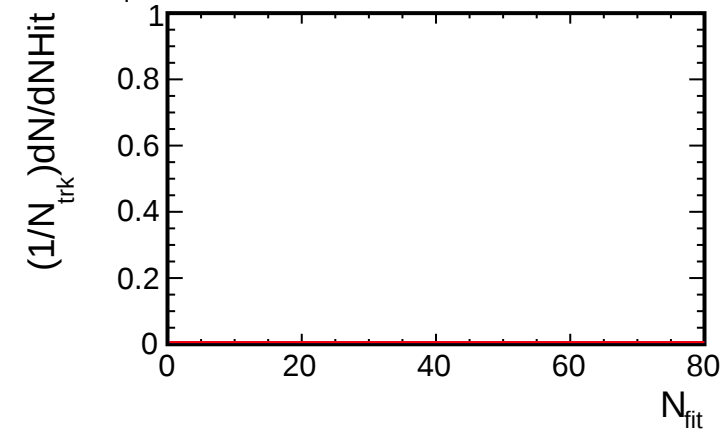
1.4, $1.5 < p_T < 2.0$ (GeV/c)



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



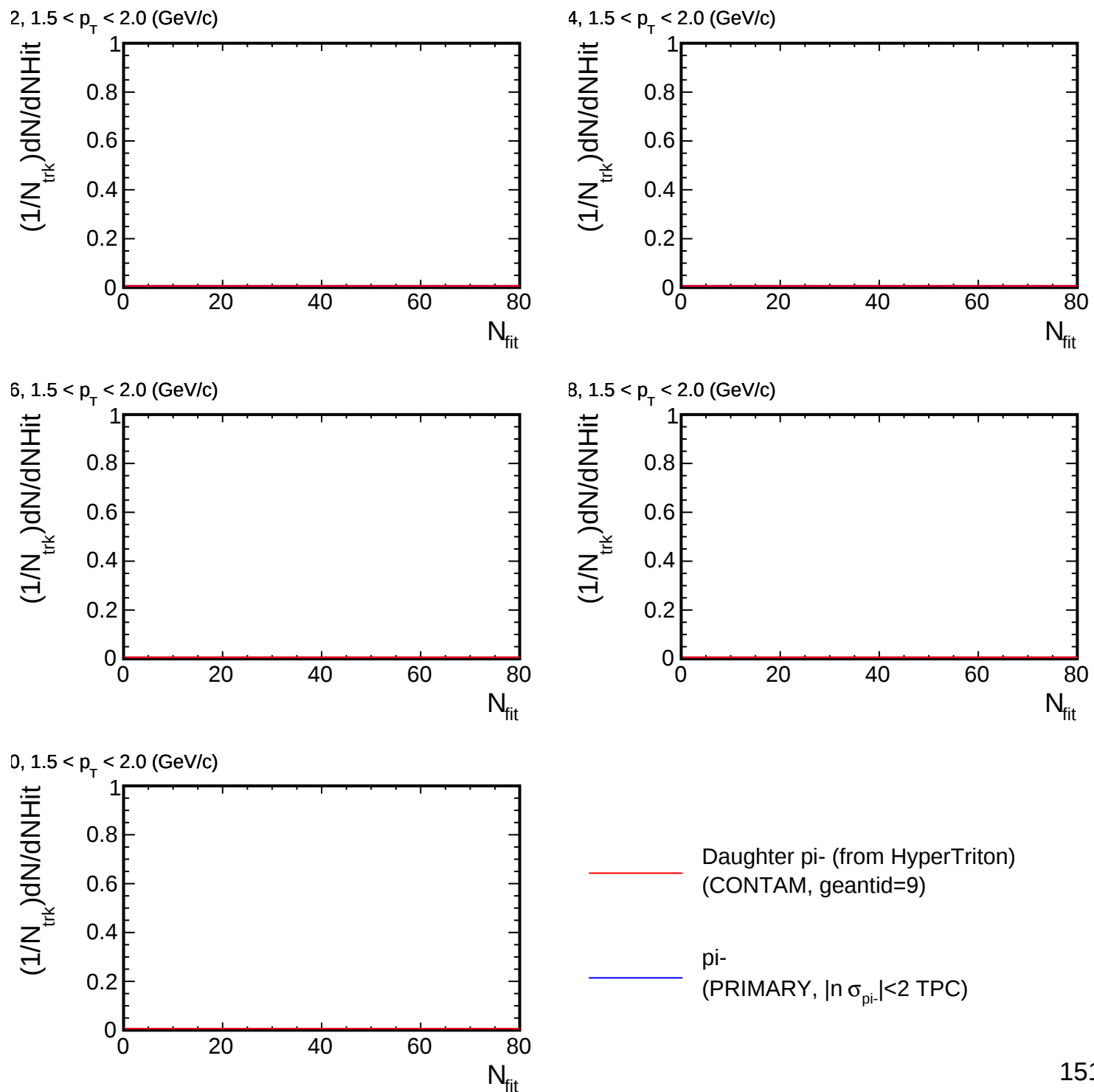
1.0, $1.5 < p_T < 2.0$ (GeV/c)



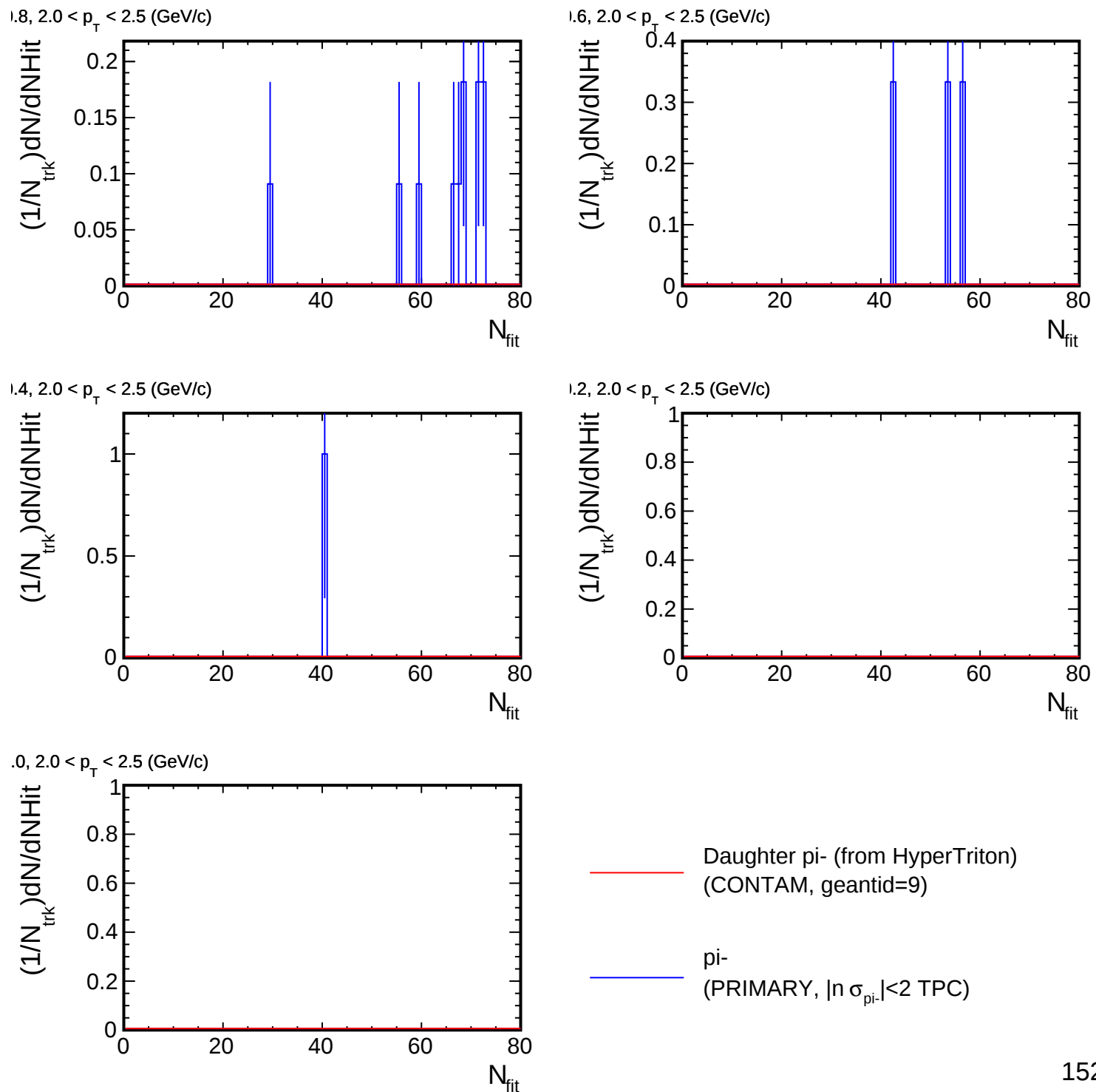
— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

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

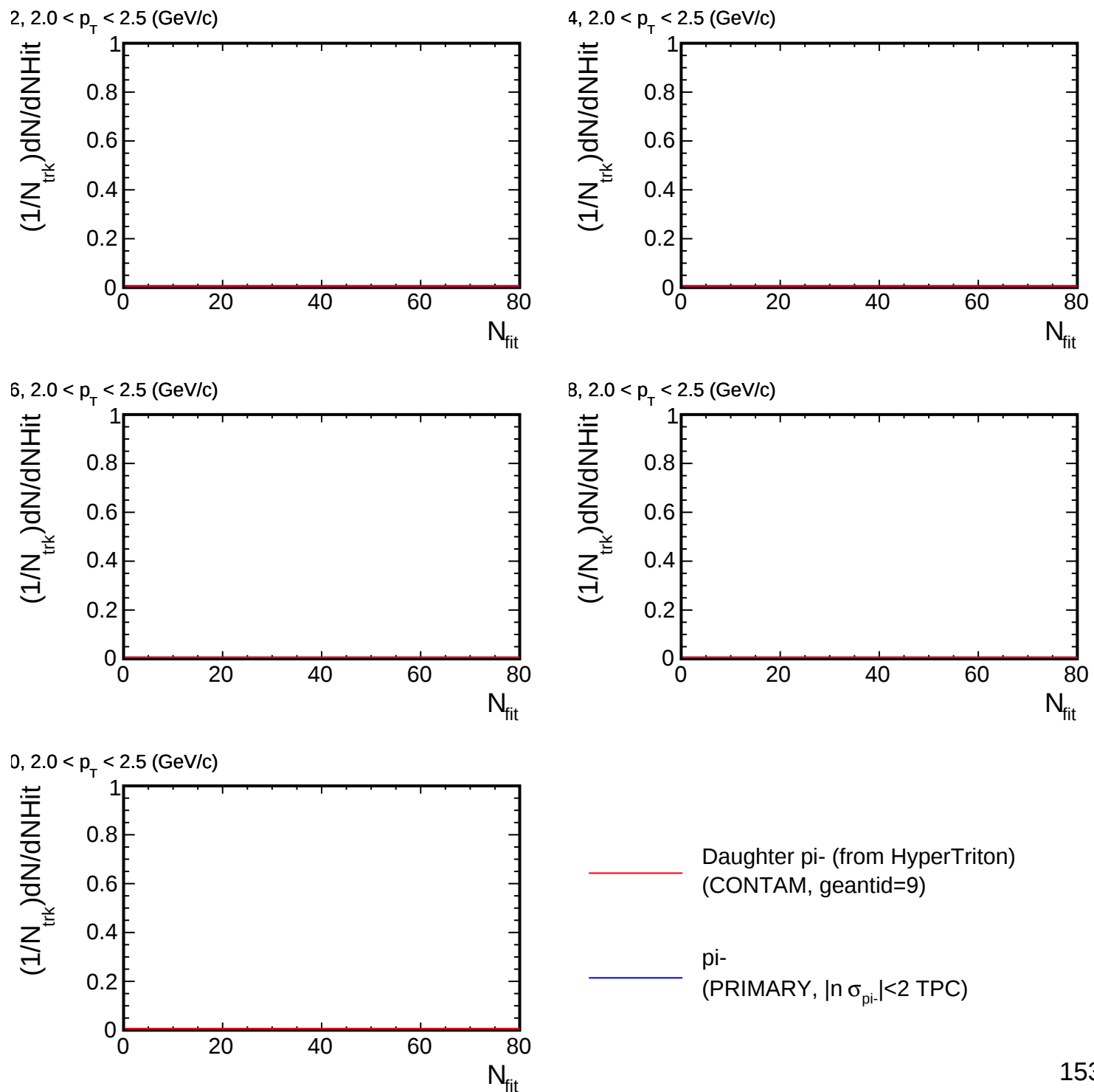
NHit distribution for (p_T , η) slices



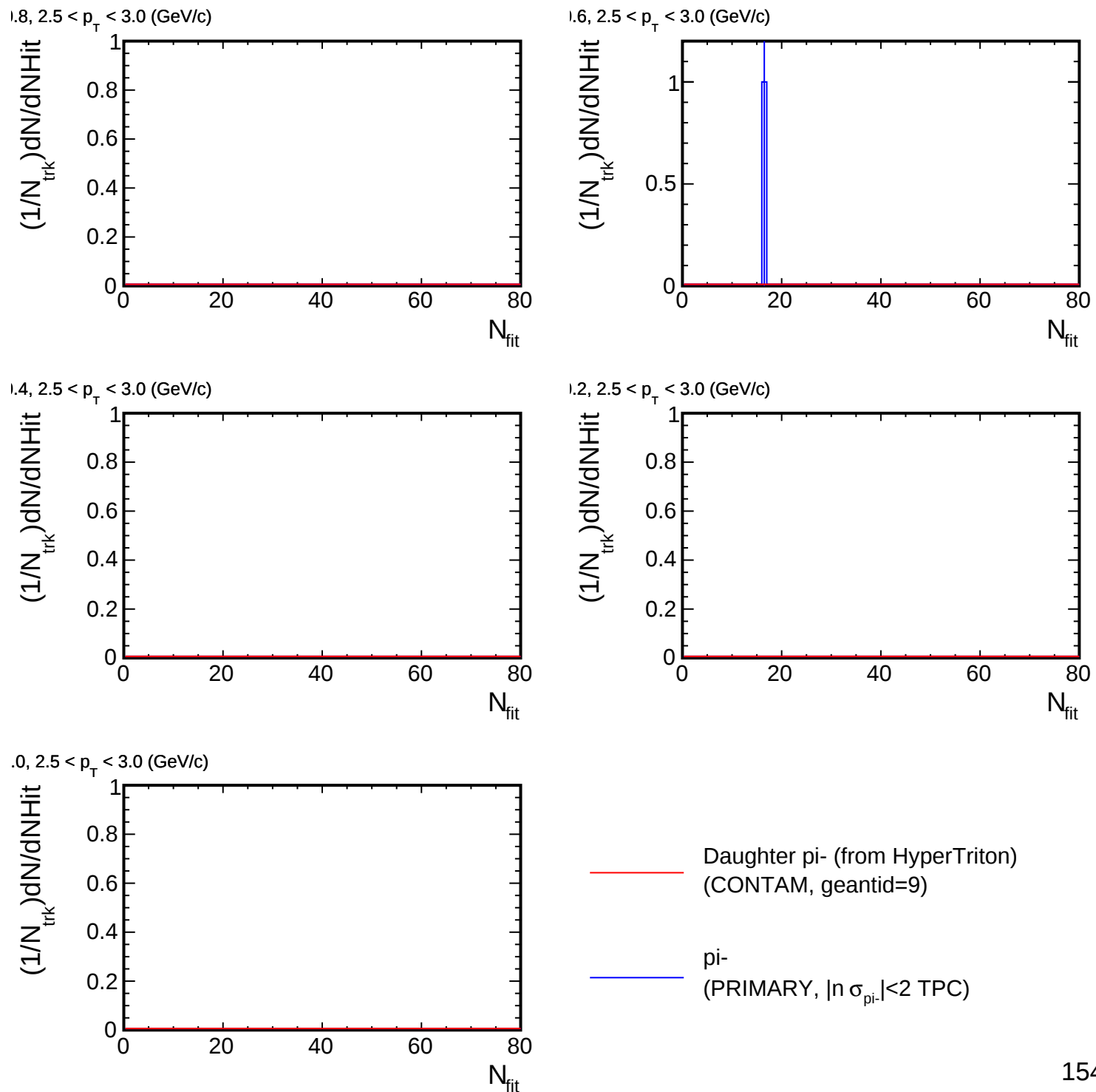
NHit distribution for (p_T , η) slices



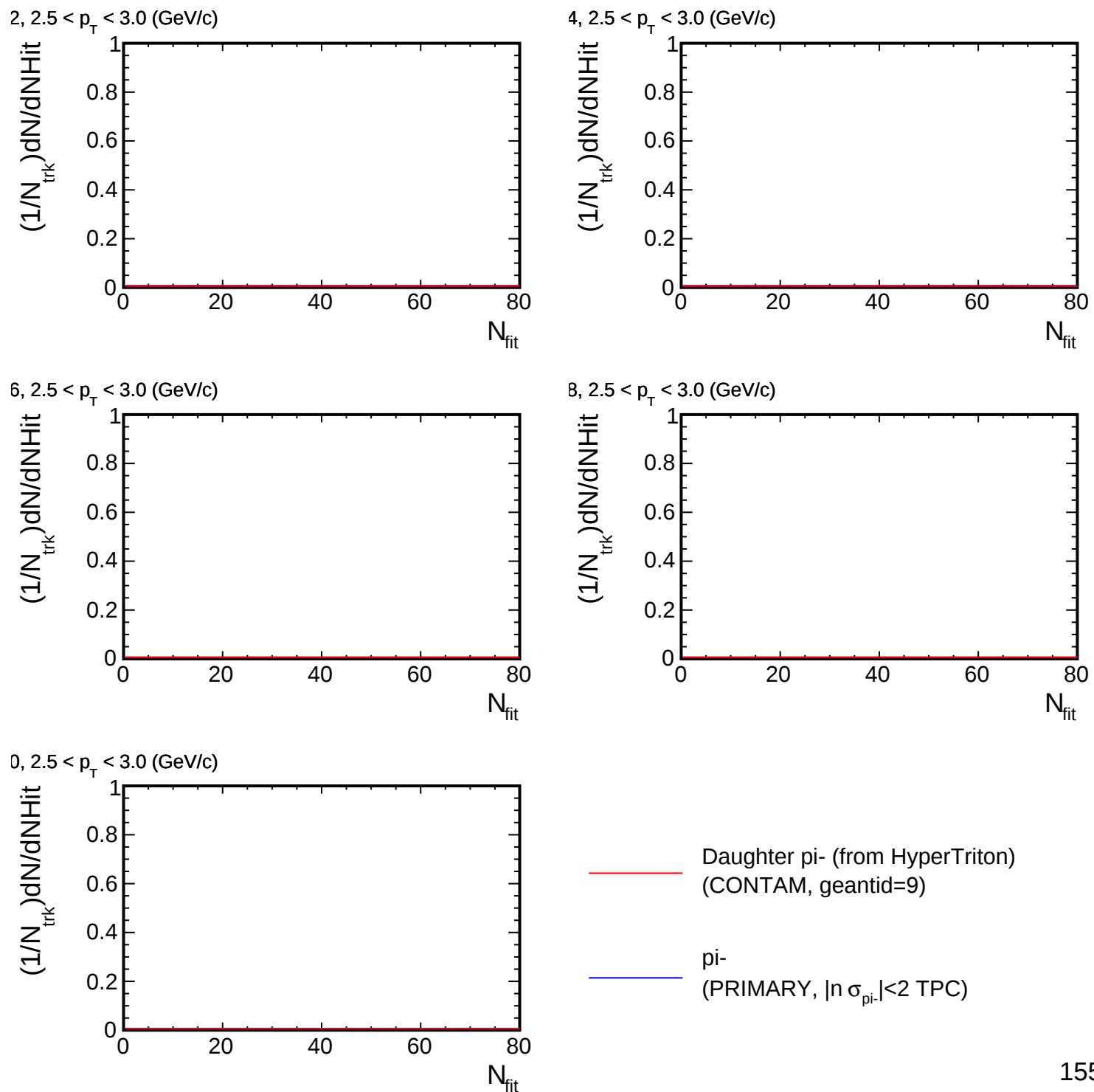
NHit distribution for (p_T , η) slices



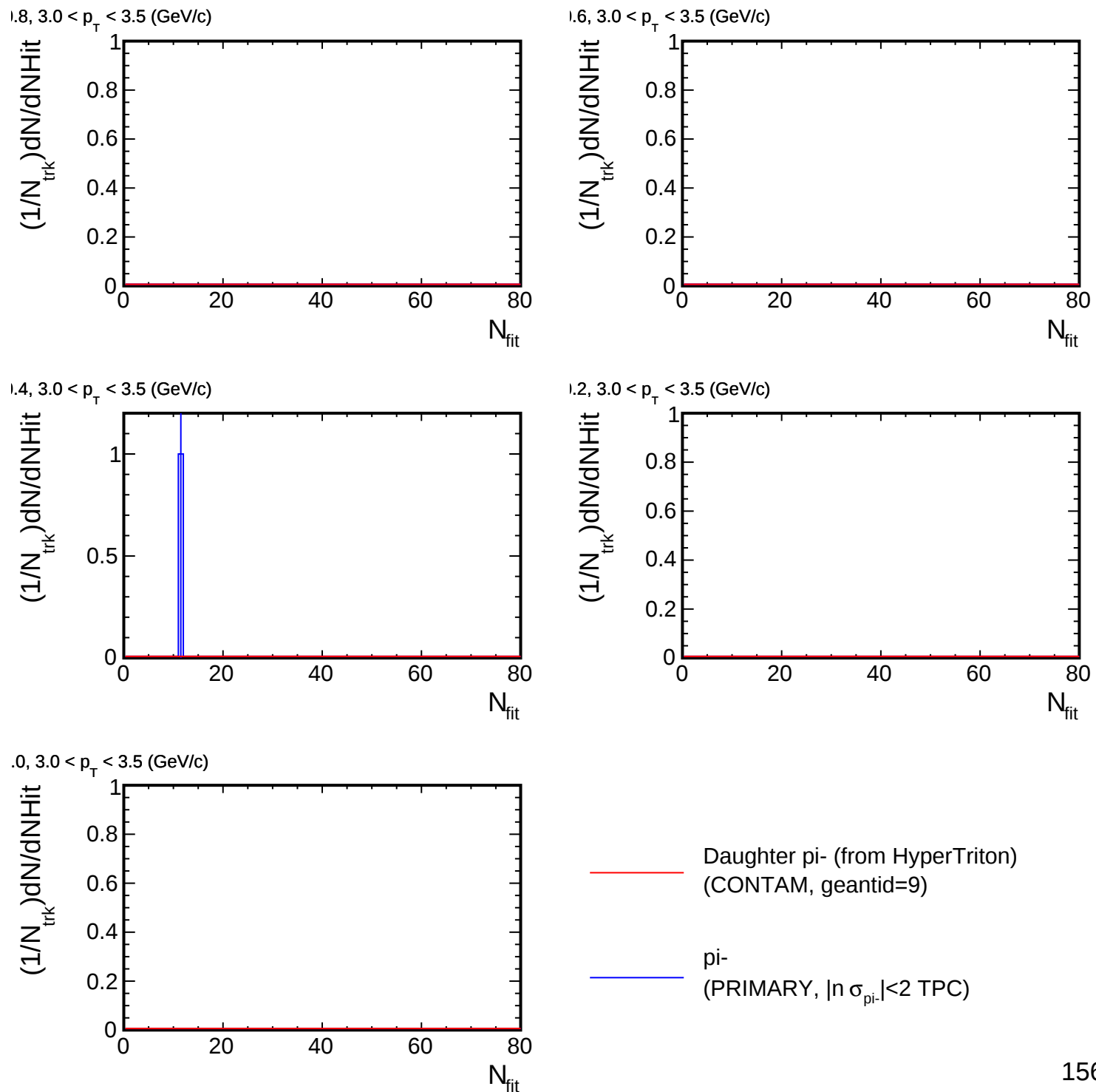
NHit distribution for (p_T , η) slices



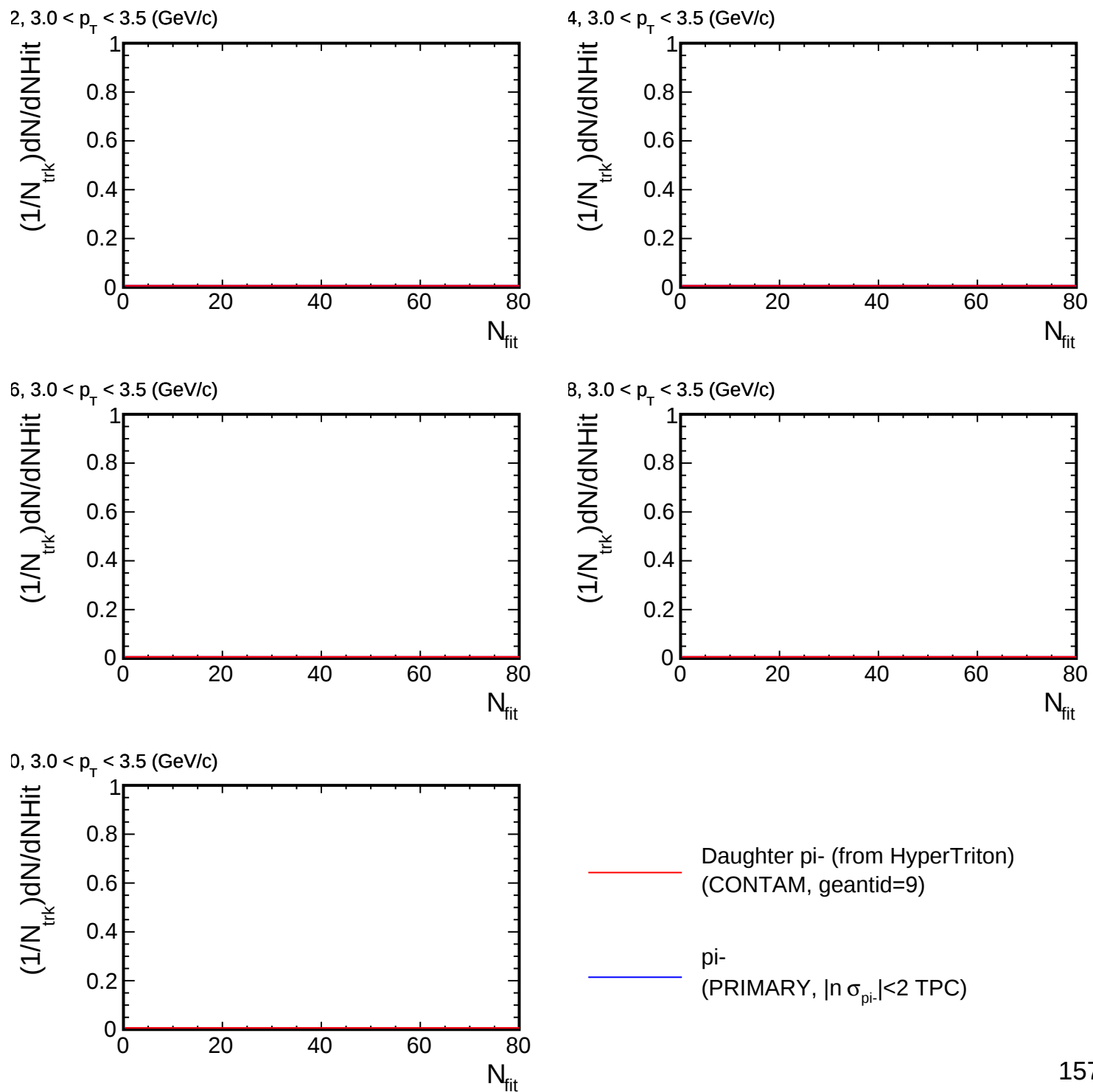
NHit distribution for (p_T , η) slices



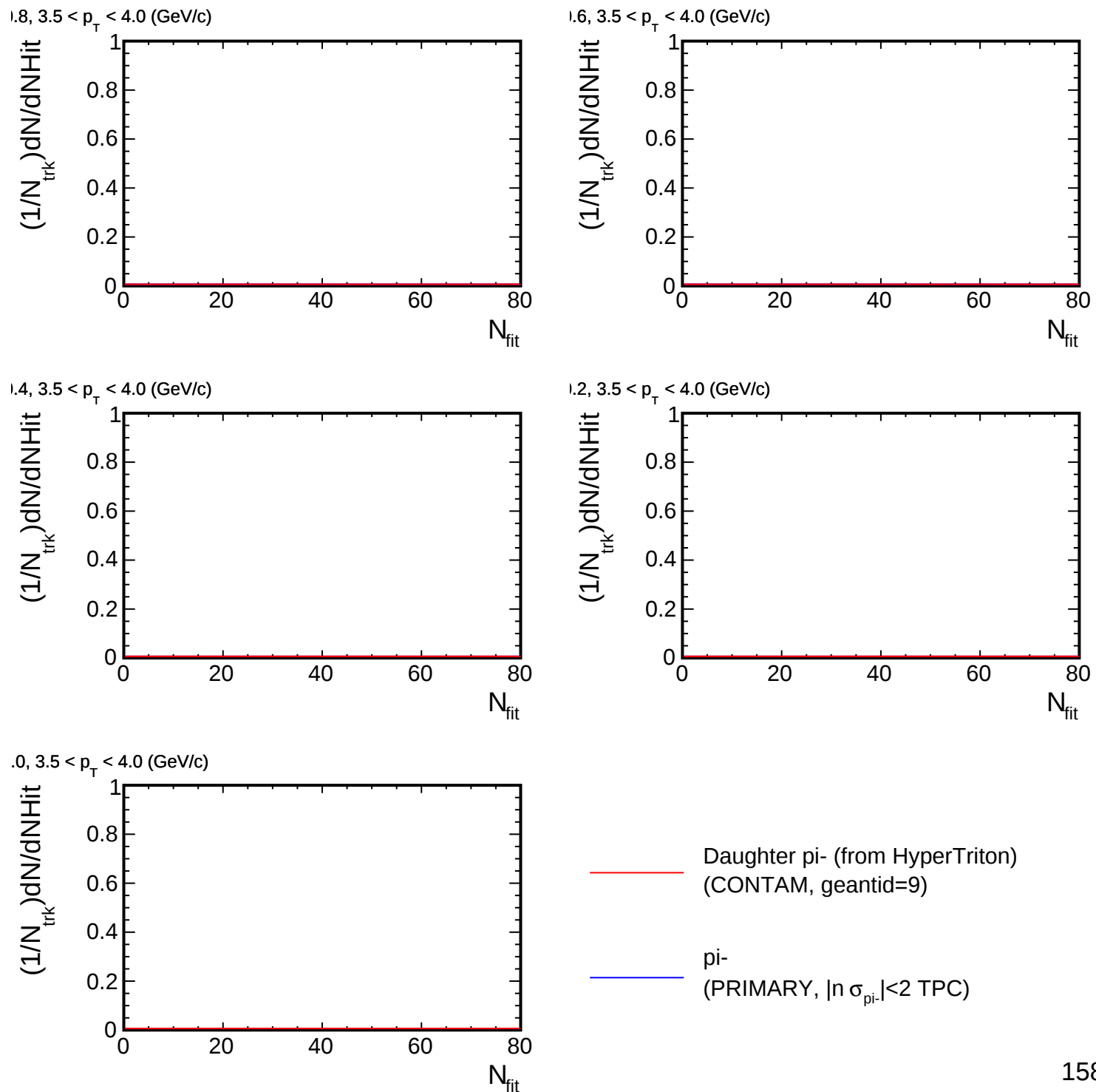
NHit distribution for (p_T , η) slices



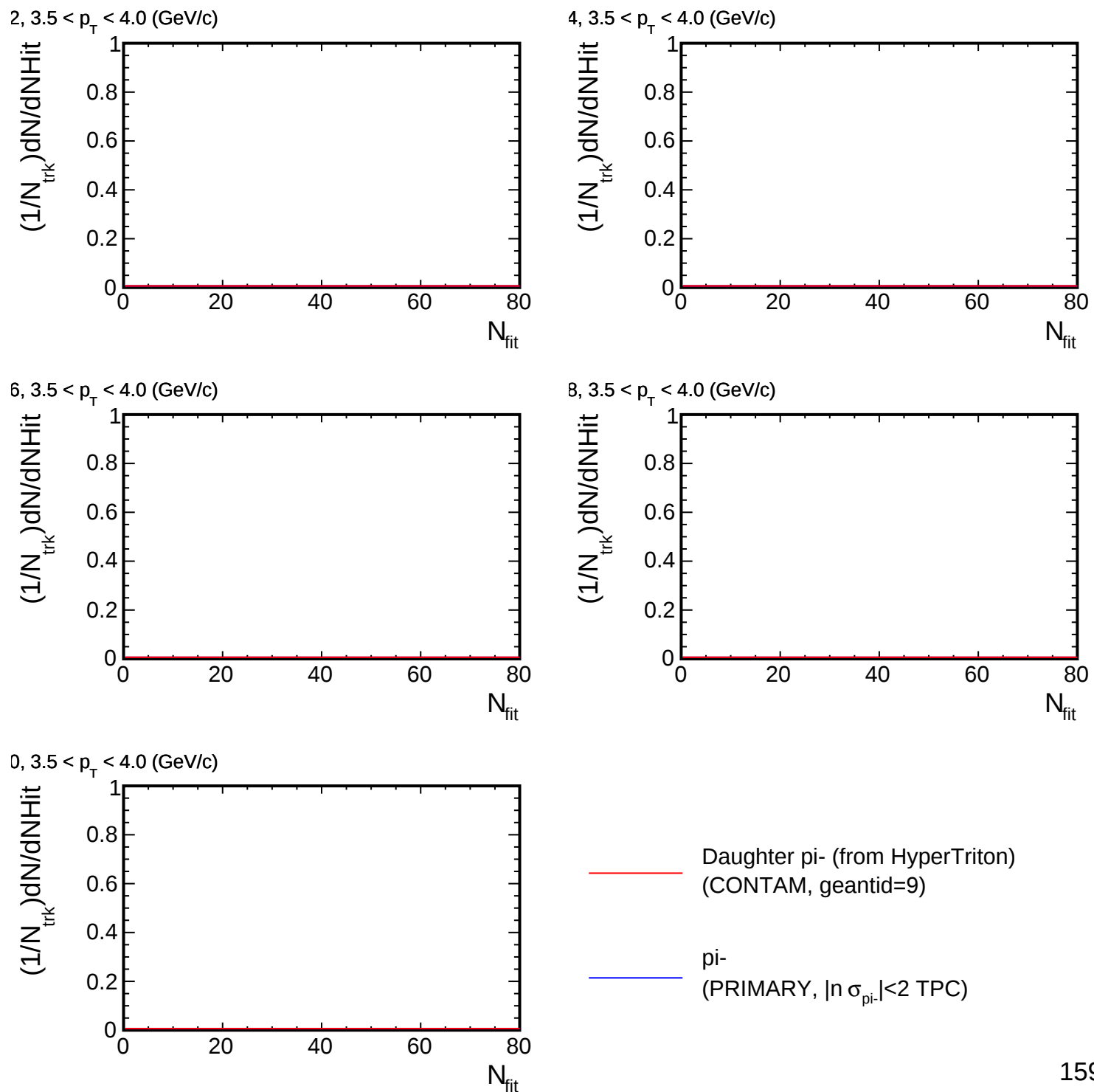
NHit distribution for (p_T , η) slices



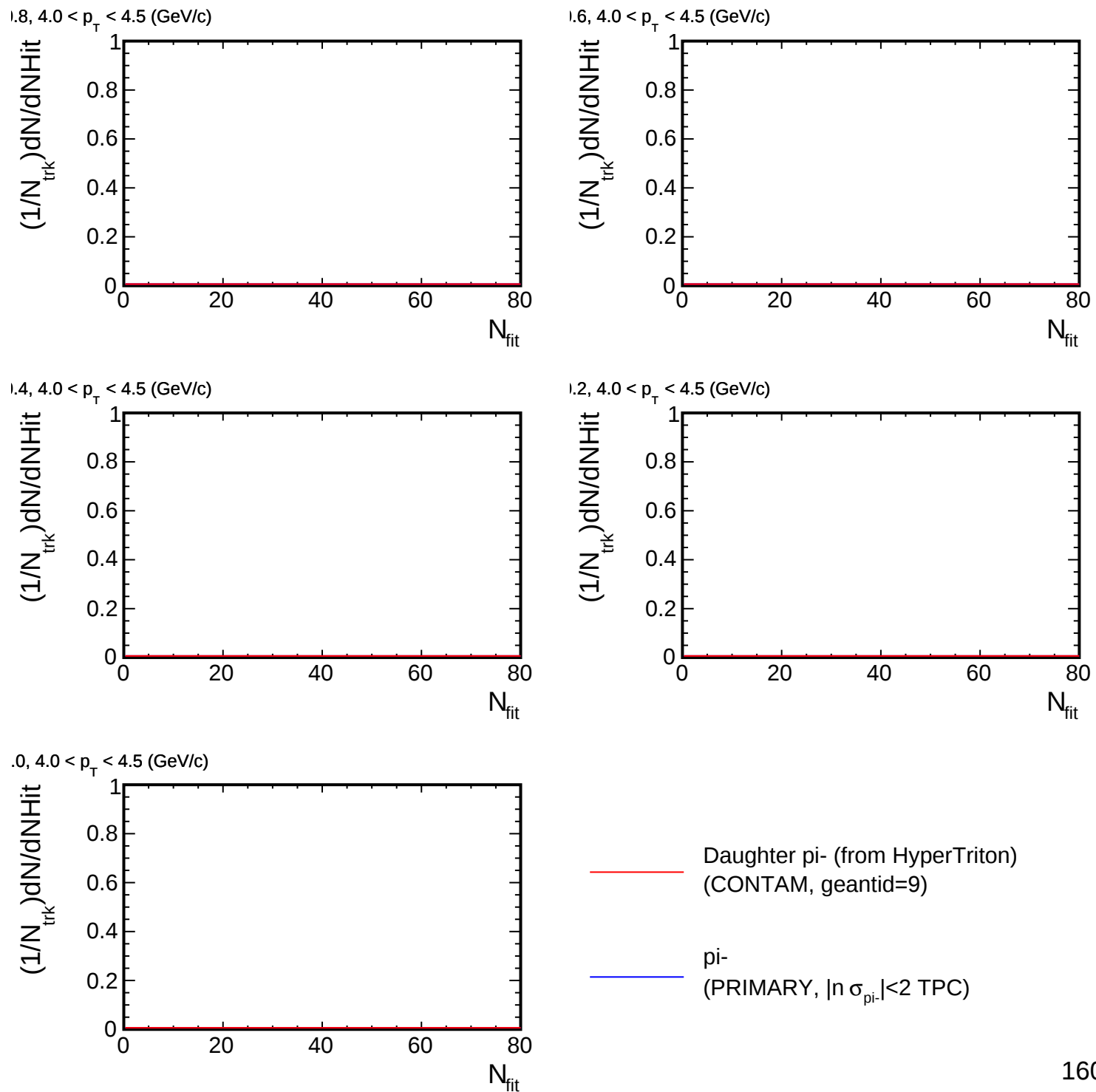
NHit distribution for (p_T , η) slices



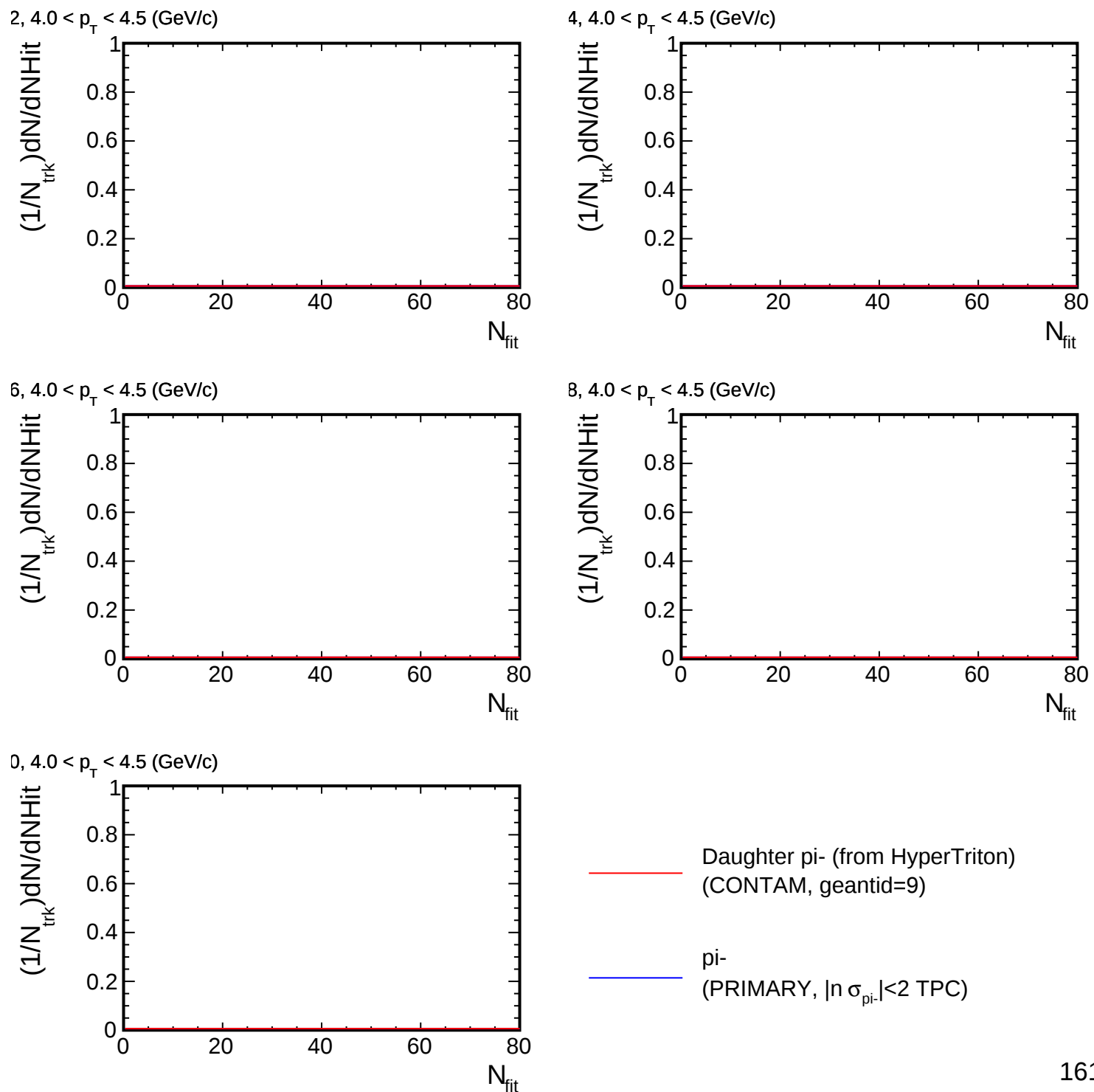
NHit distribution for (p_T , η) slices



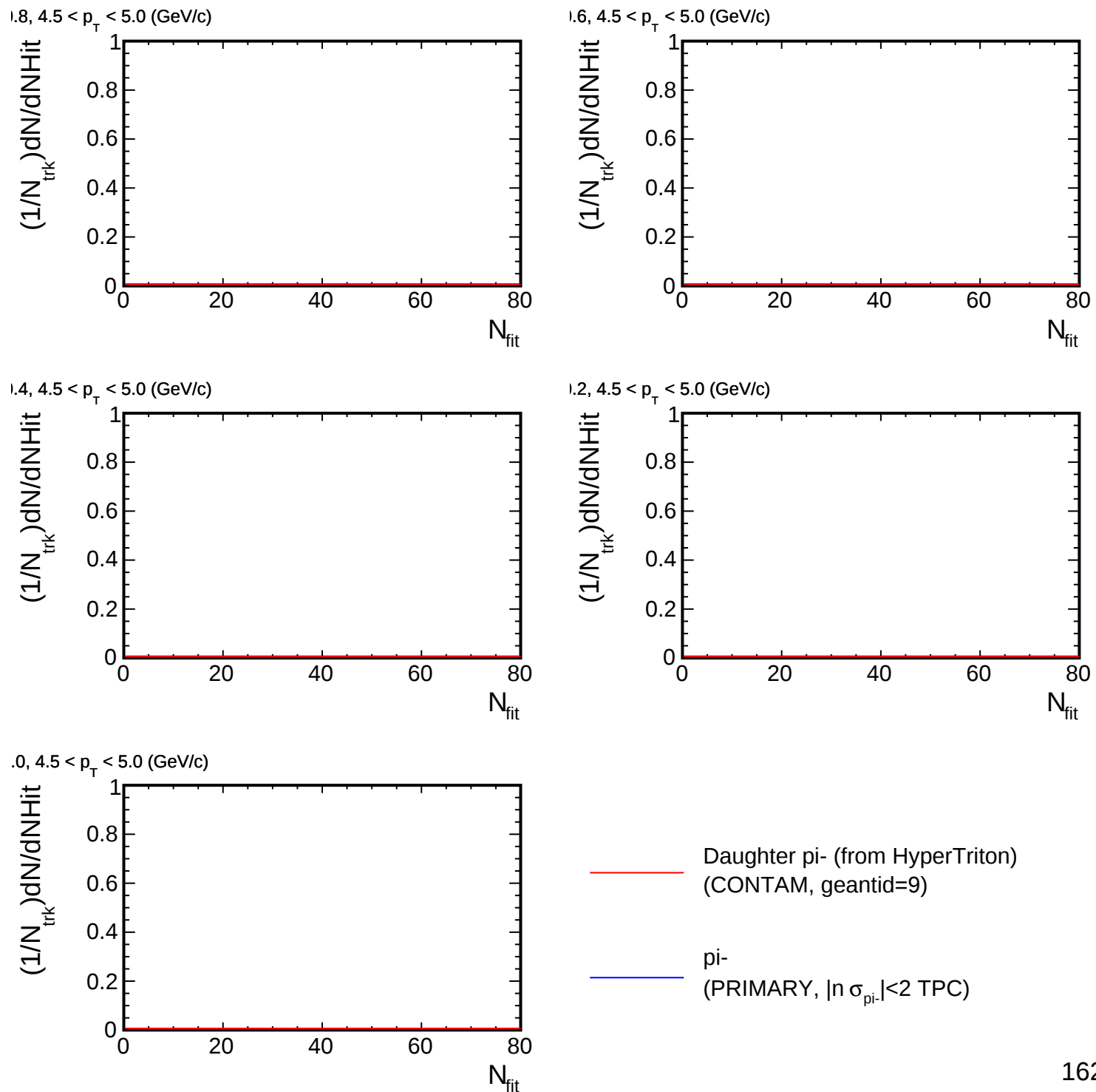
NHit distribution for (p_T , η) slices



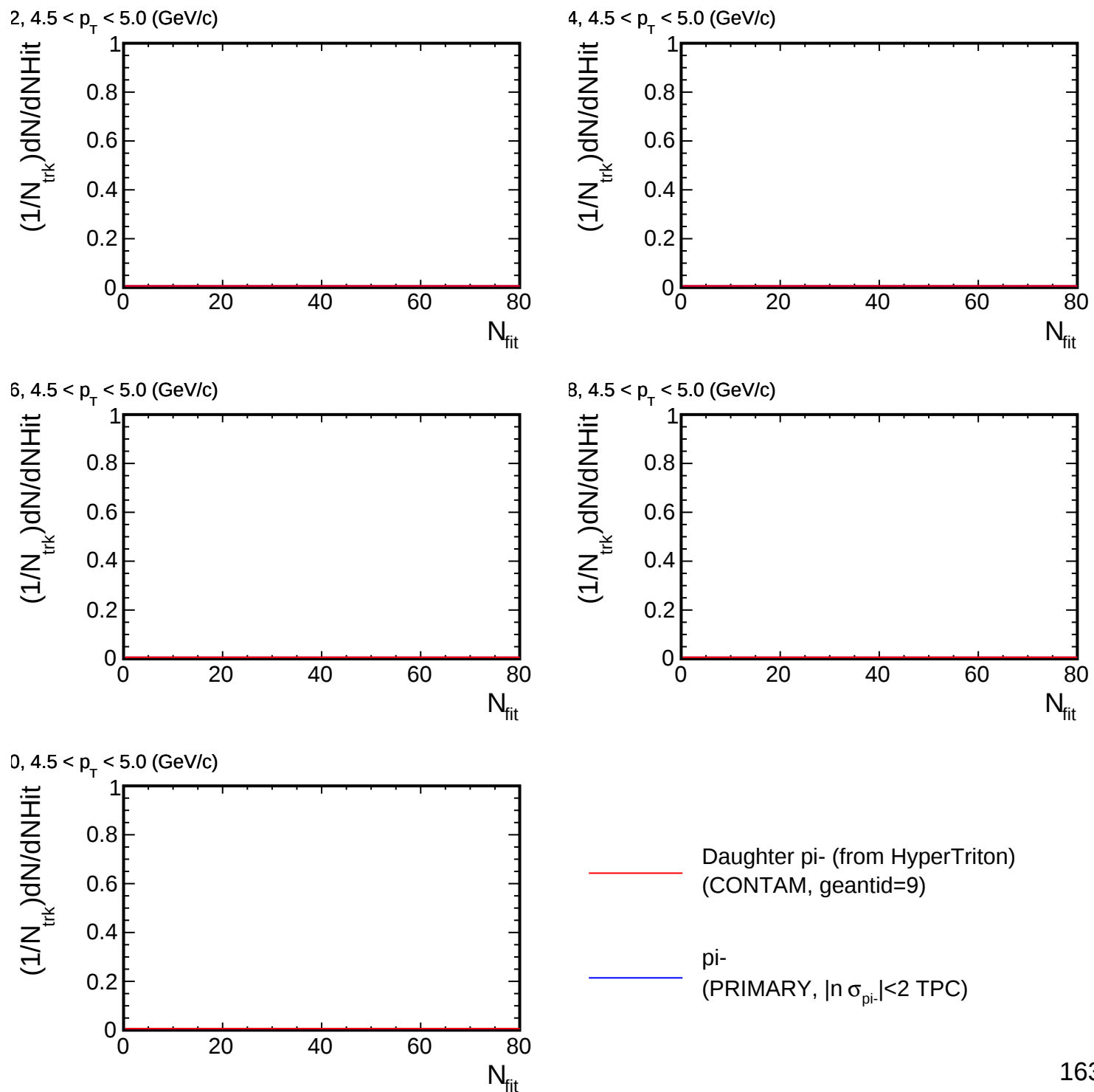
NHit distribution for (p_T , η) slices



NHit distribution for (p_T , η) slices

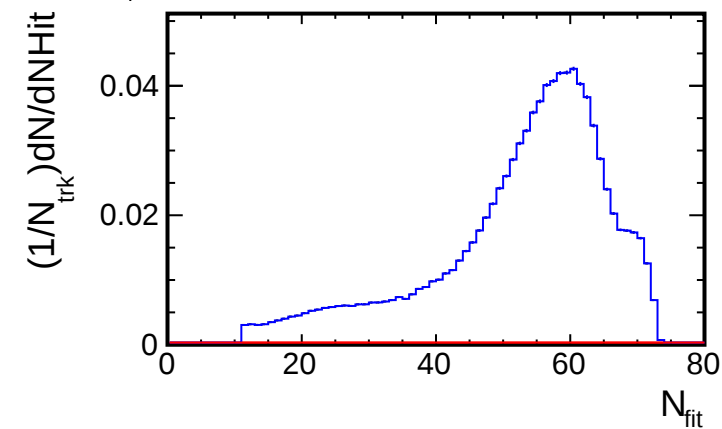


NHit distribution for (p_T , η) slices

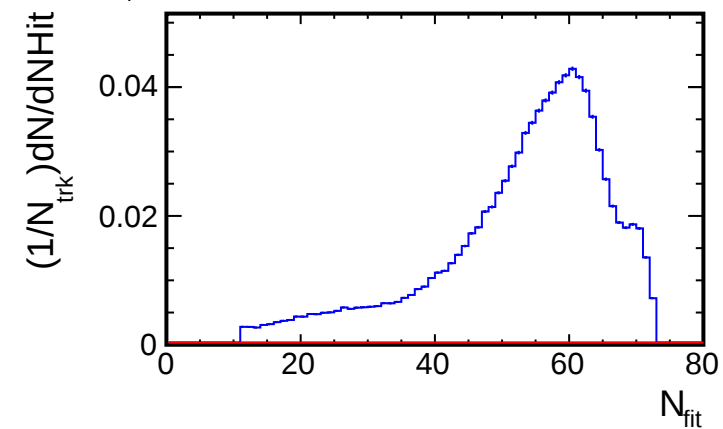


NHit distribution for (p_T , η) slices

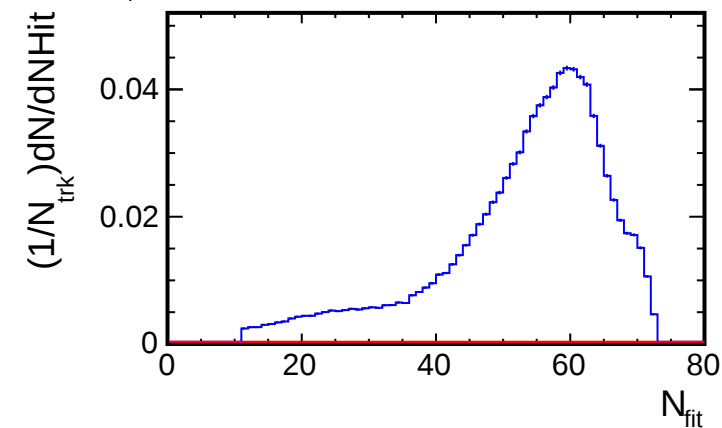
1.8, $0.1 < p_T < 0.5$ (GeV/c)



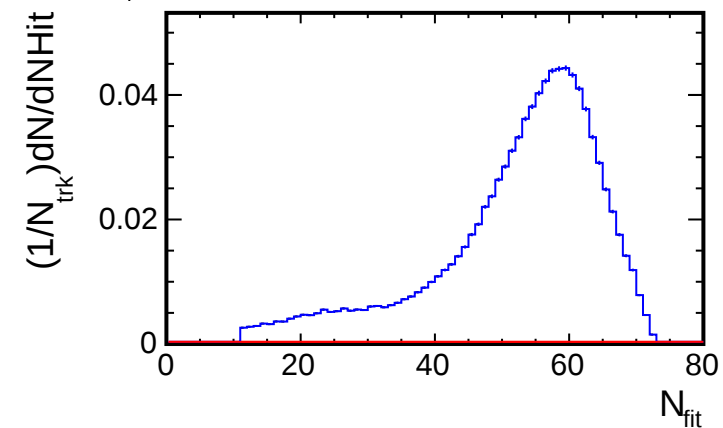
1.6, $0.1 < p_T < 0.5$ (GeV/c)



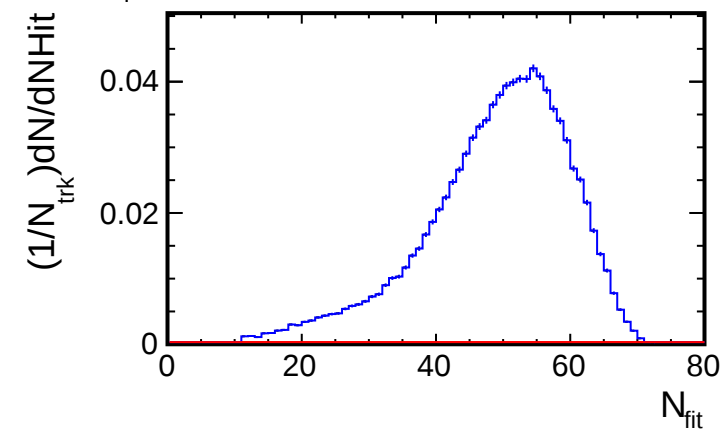
1.4, $0.1 < p_T < 0.5$ (GeV/c)



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



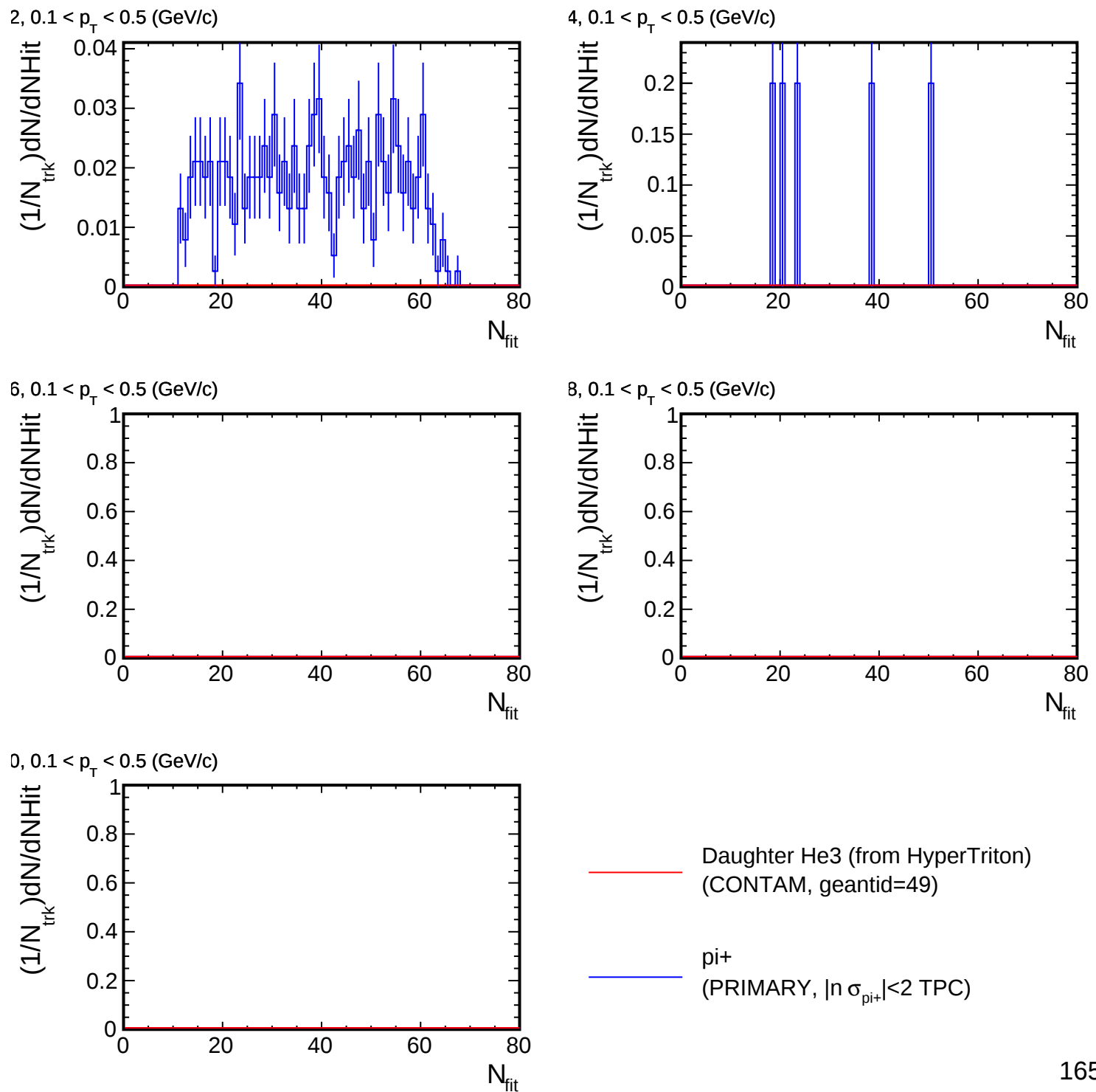
1.0, $0.1 < p_T < 0.5$ (GeV/c)



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

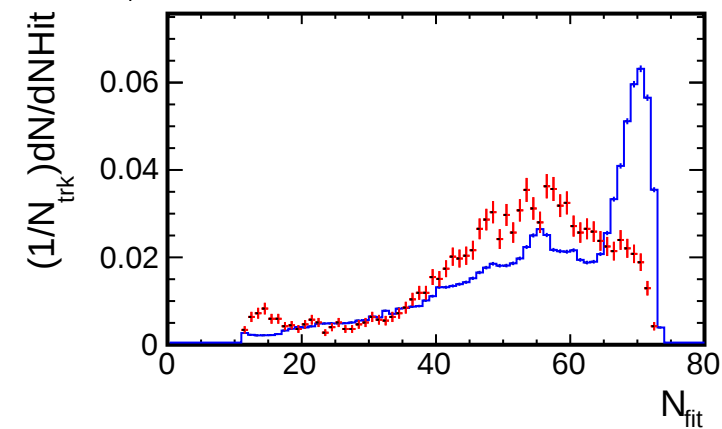
— π^+
(PRIMARY, $|\ln \sigma_{\pi^+}| < 2$ TPC)

NHit distribution for (p_T , η) slices

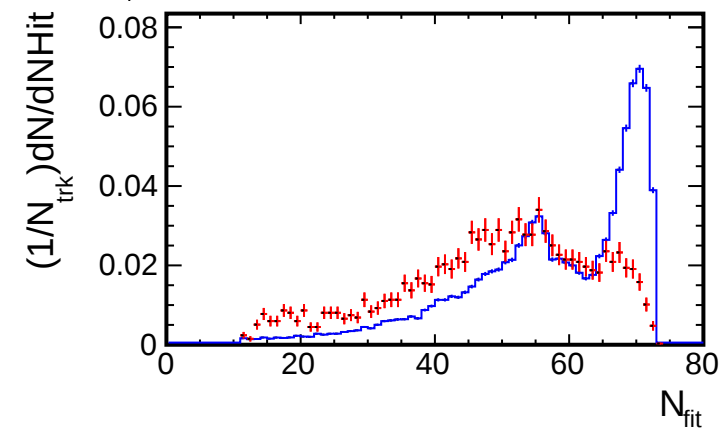


NHit distribution for (p_T , η) slices

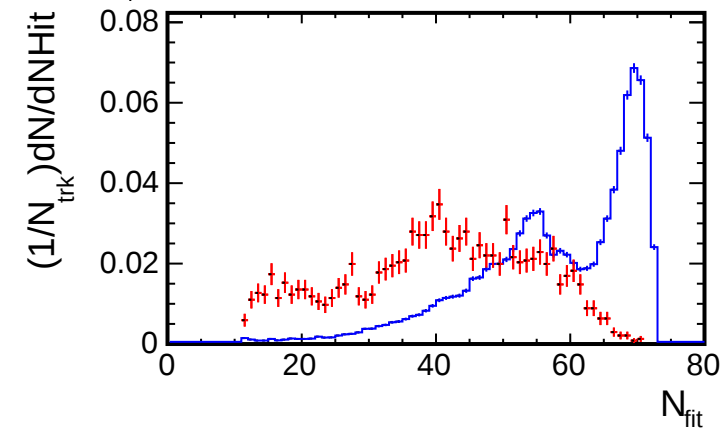
1.8, $0.5 < p_T < 1.0$ (GeV/c)



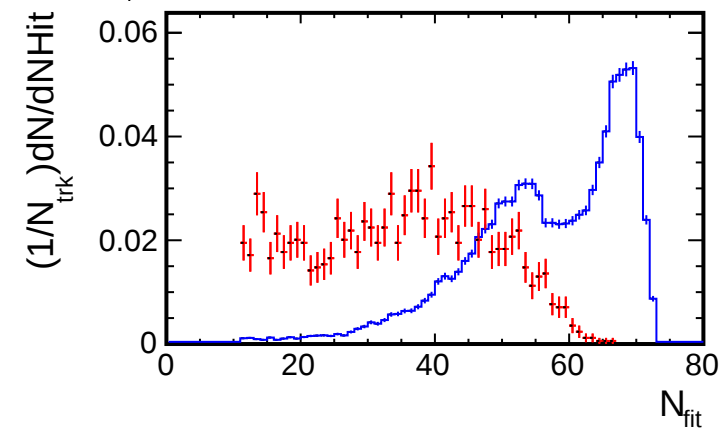
1.6, $0.5 < p_T < 1.0$ (GeV/c)



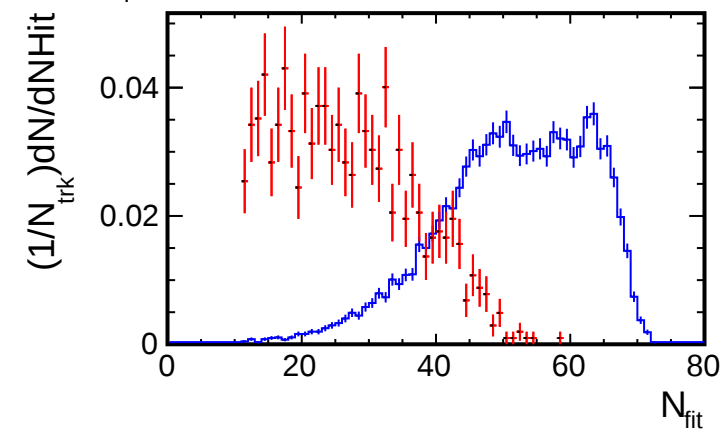
1.4, $0.5 < p_T < 1.0$ (GeV/c)



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



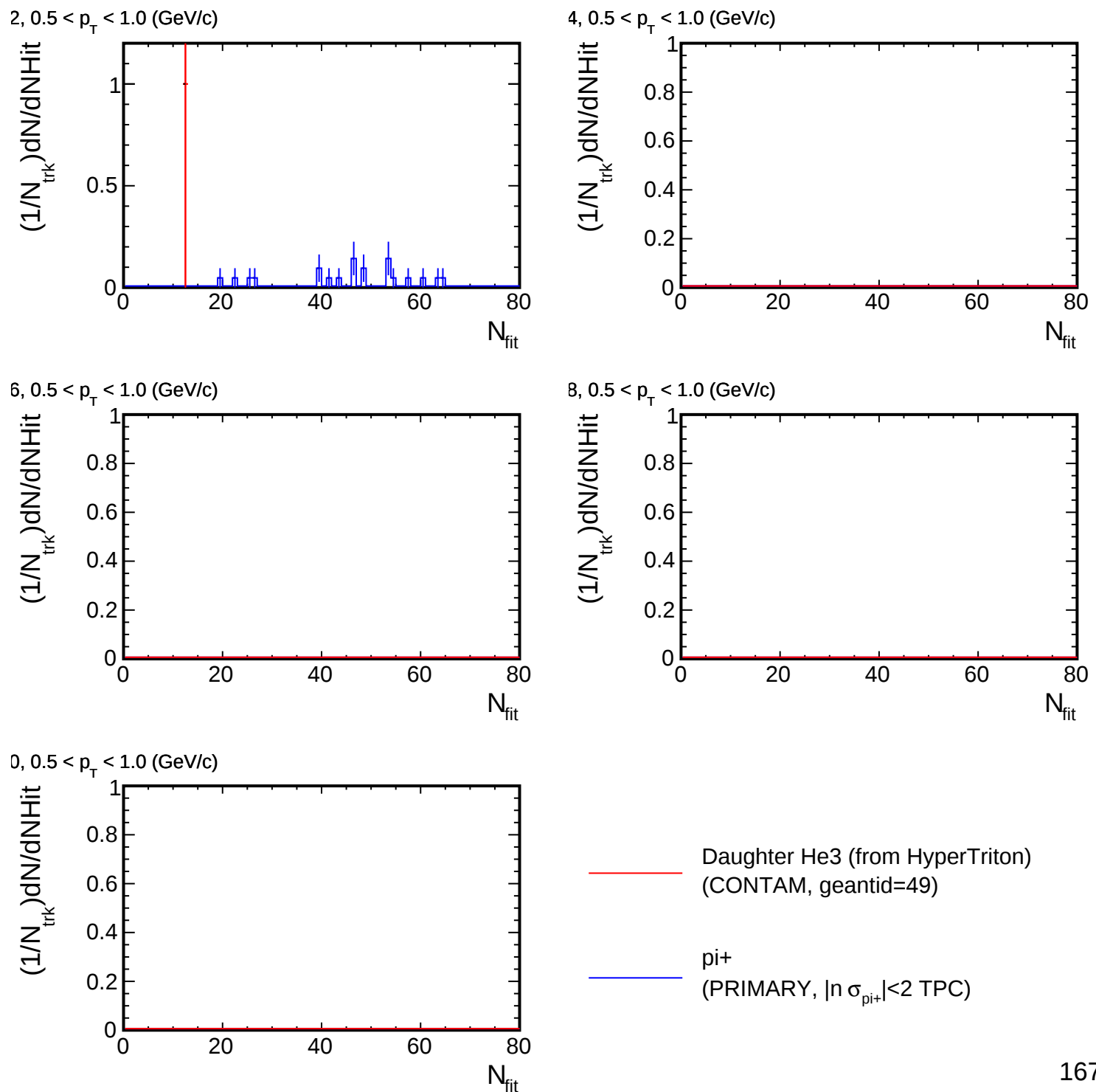
1.0, $0.5 < p_T < 1.0$ (GeV/c)



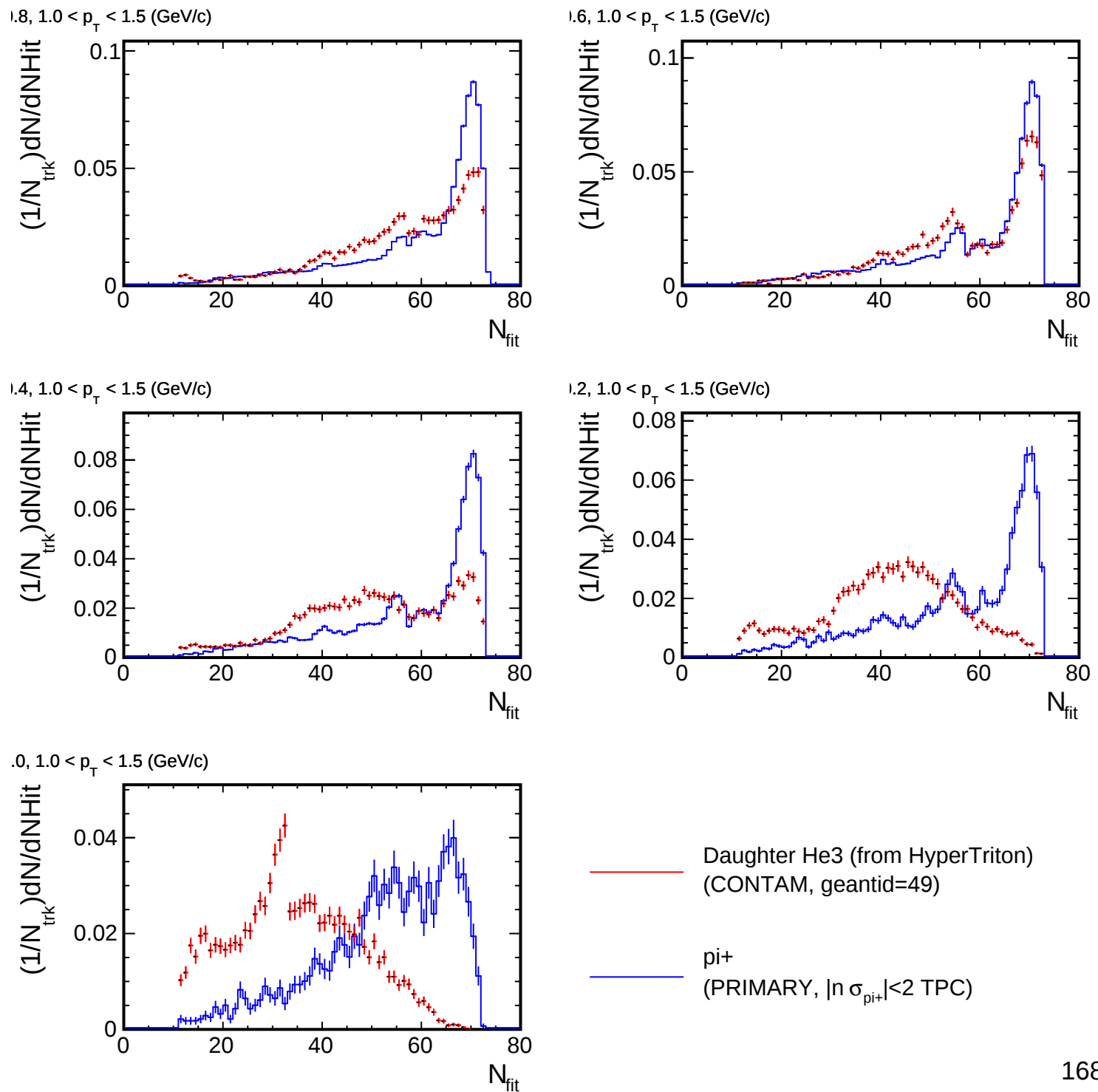
— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

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

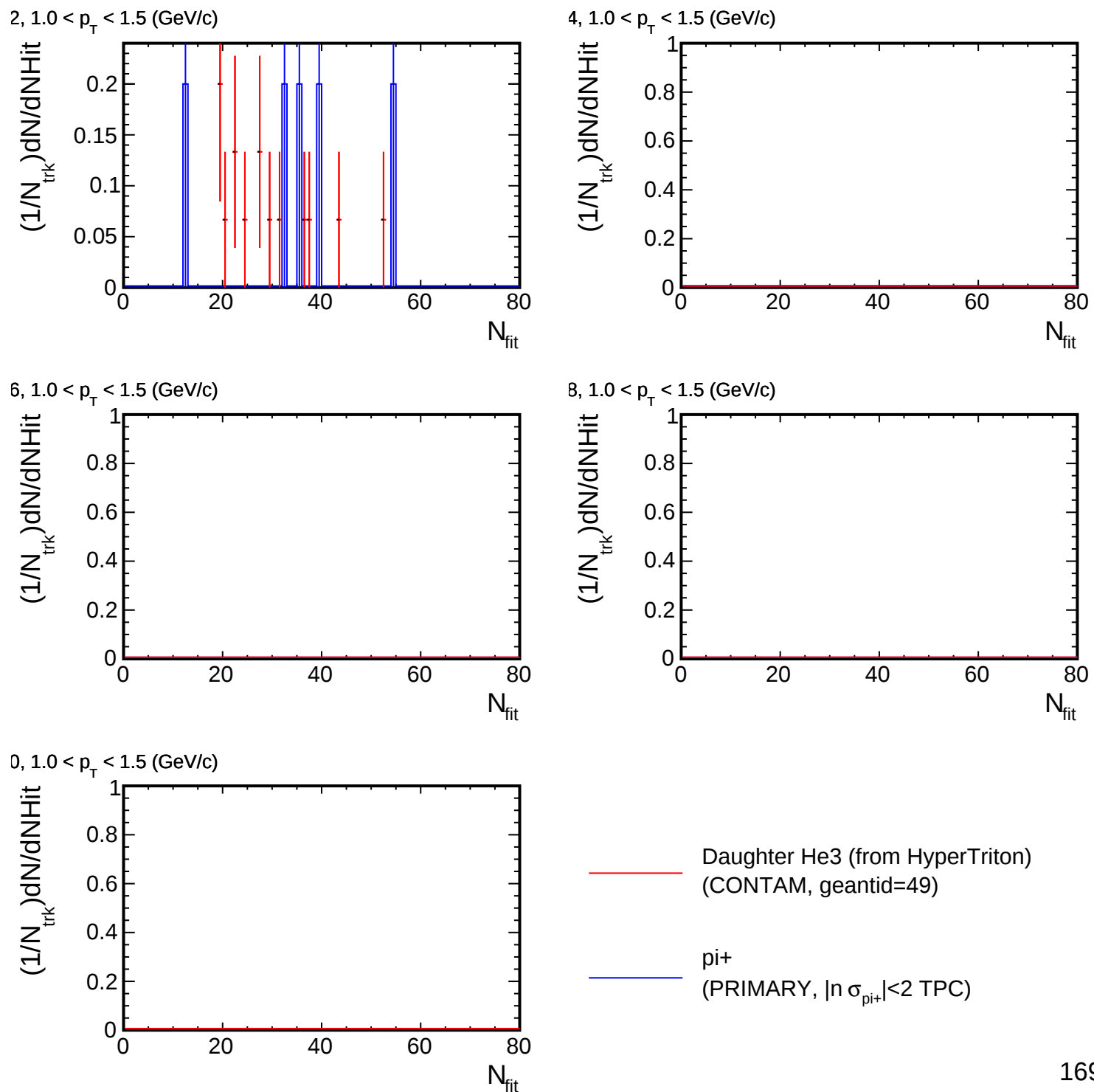
NHit distribution for (p_T , η) slices



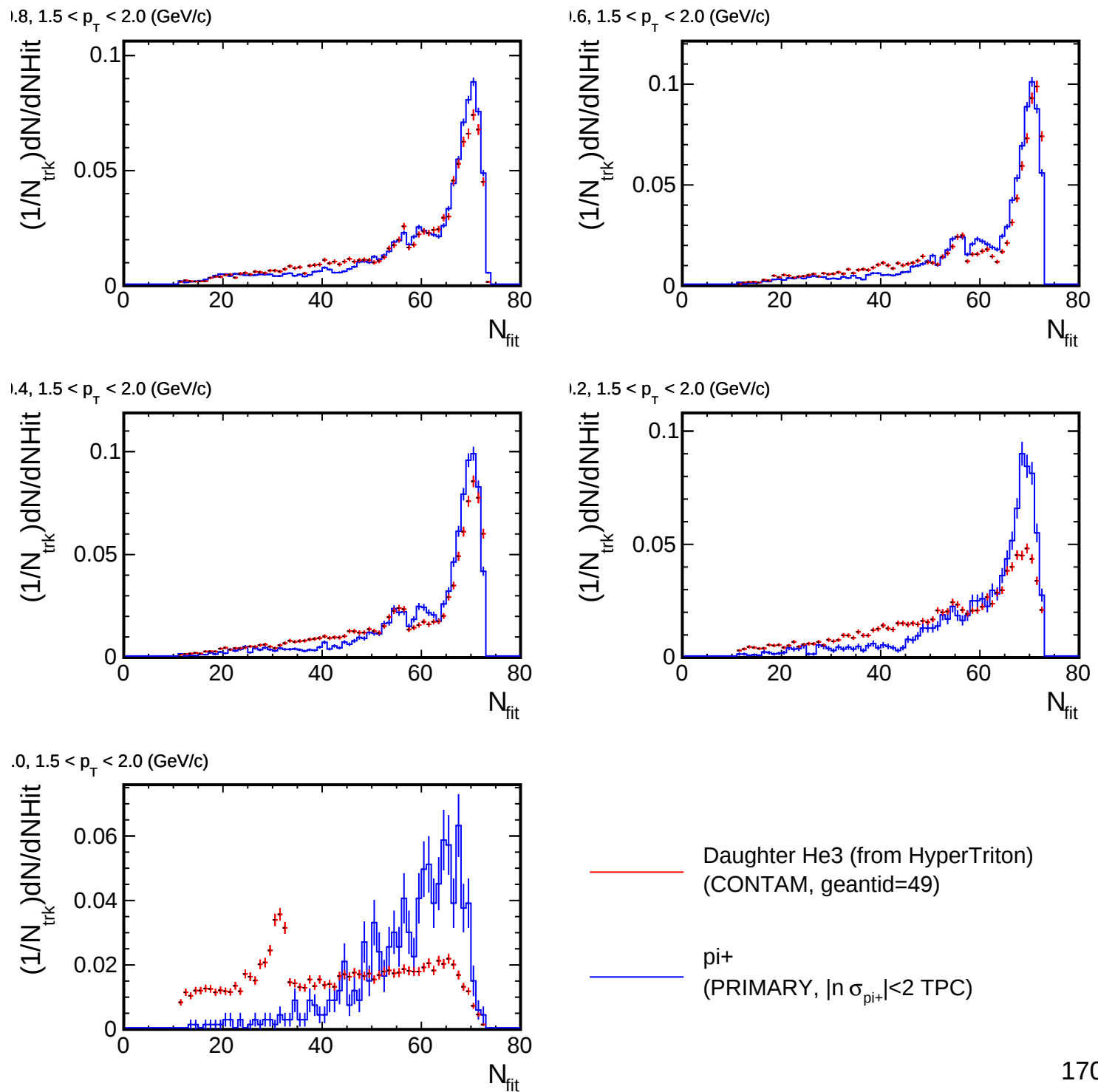
NHit distribution for (p_T , η) slices



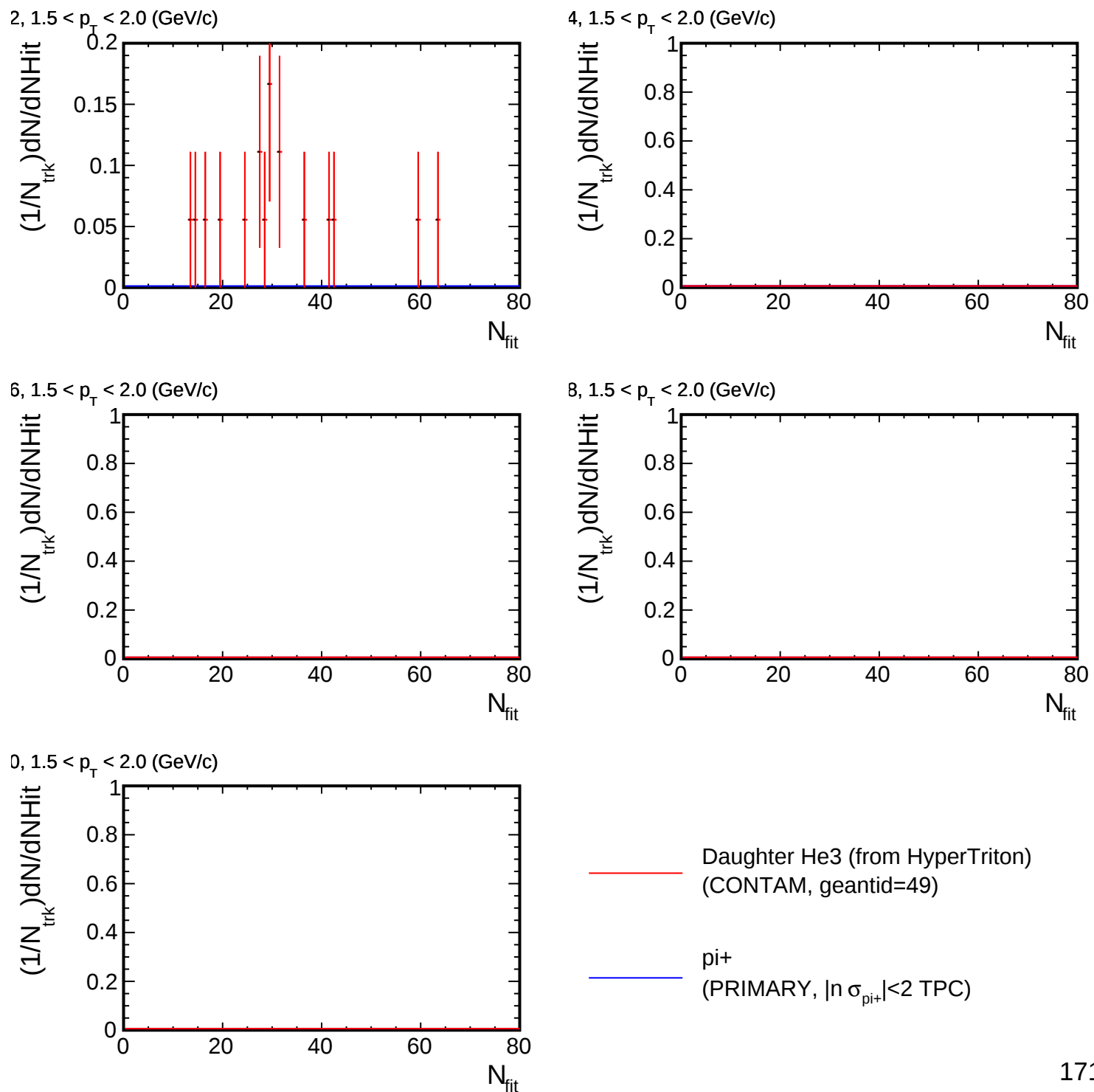
NHit distribution for (p_T , η) slices



NHit distribution for (p_T , η) slices

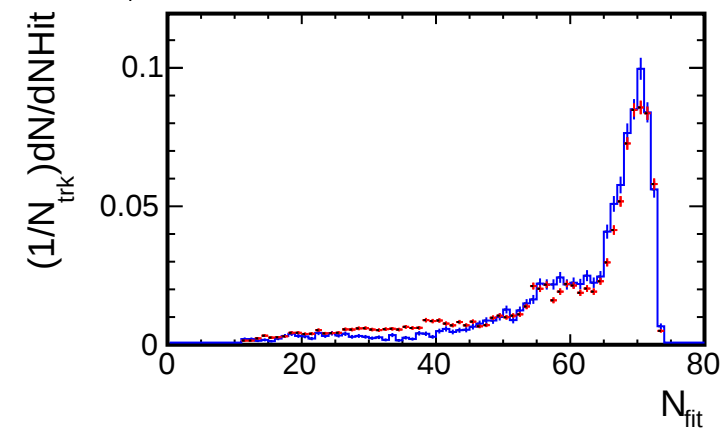


NHit distribution for (p_T , η) slices

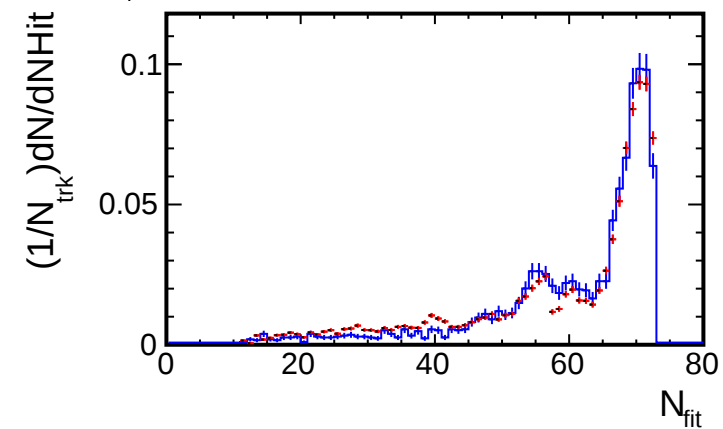


NHit distribution for (p_T , η) slices

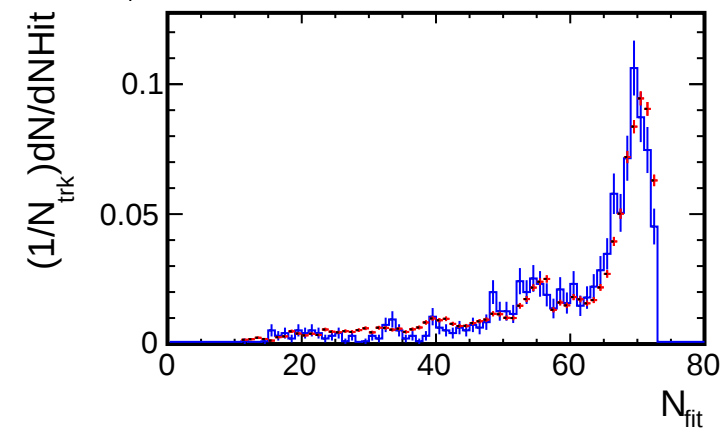
1.8, $2.0 < p_T < 2.5$ (GeV/c)



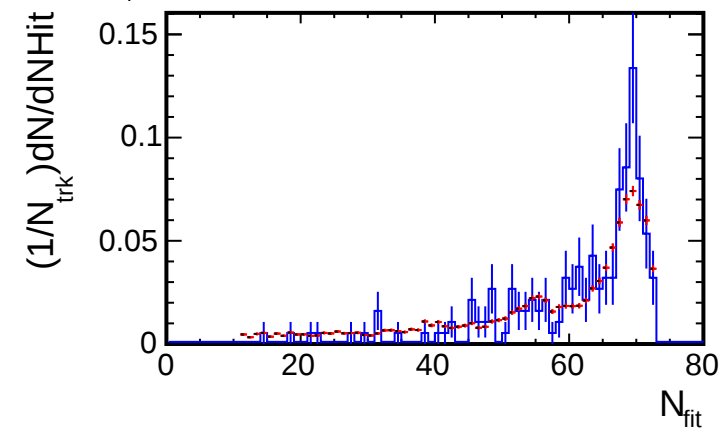
1.6, $2.0 < p_T < 2.5$ (GeV/c)



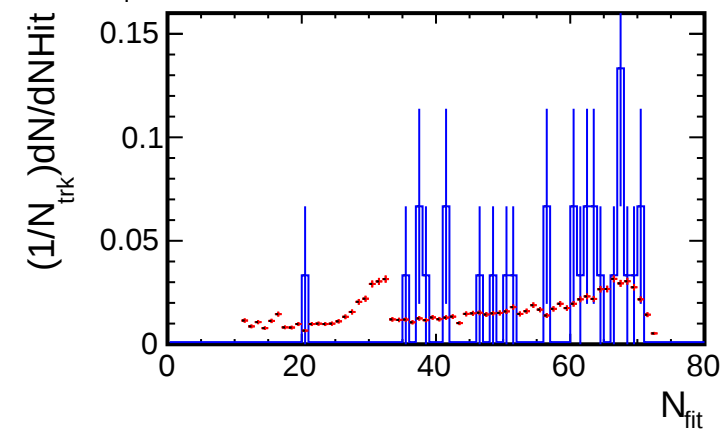
1.4, $2.0 < p_T < 2.5$ (GeV/c)



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



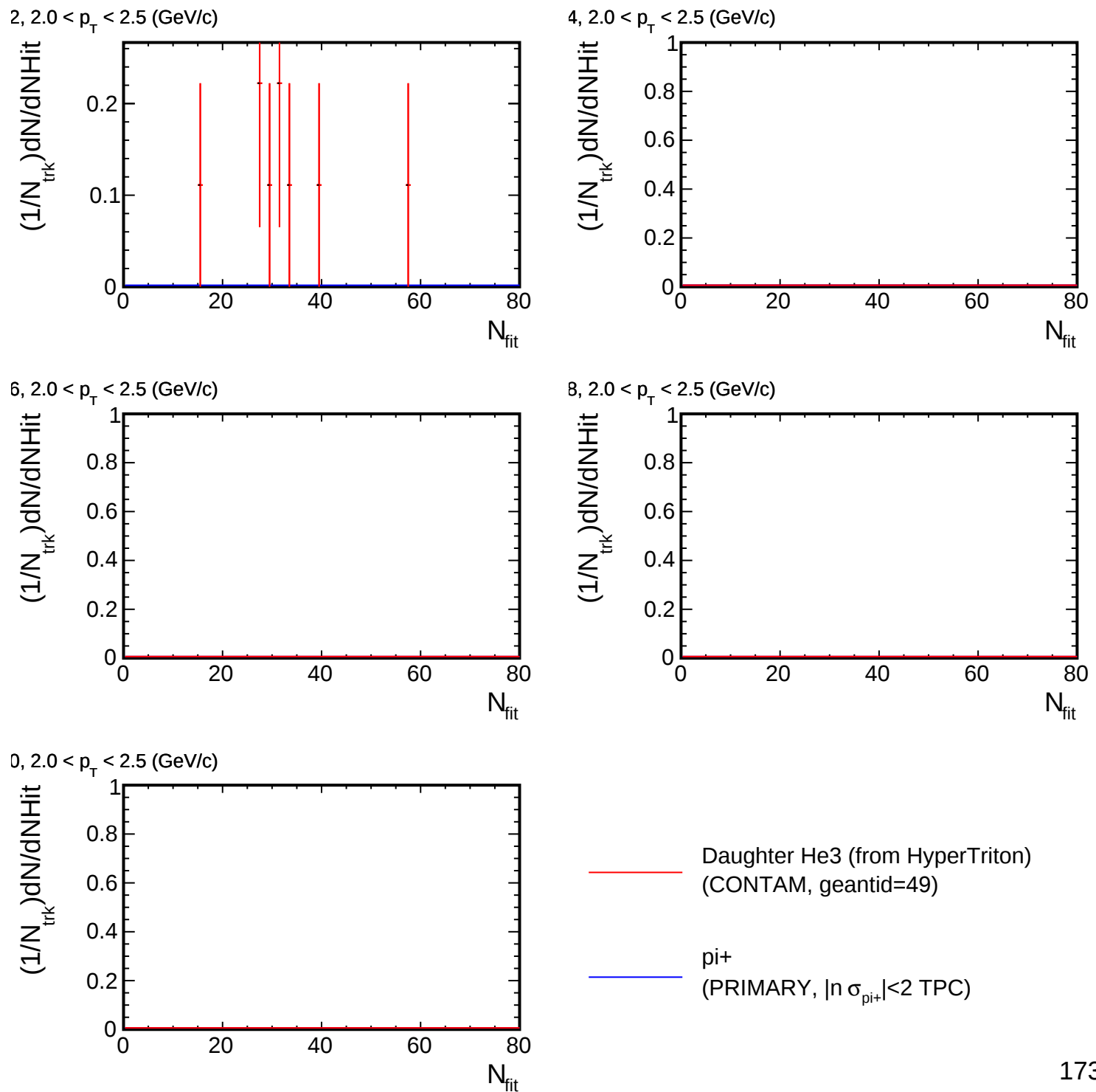
1.0, $2.0 < p_T < 2.5$ (GeV/c)



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

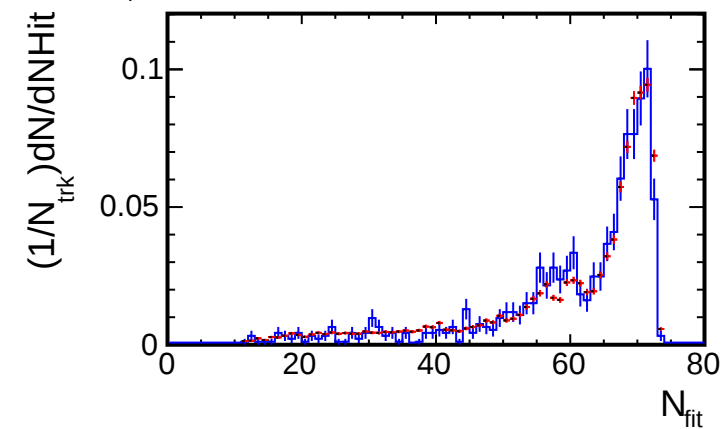
— π^+
(PRIMARY, $|\ln \sigma_{\pi^+}| < 2$ TPC)

NHit distribution for (p_T , η) slices

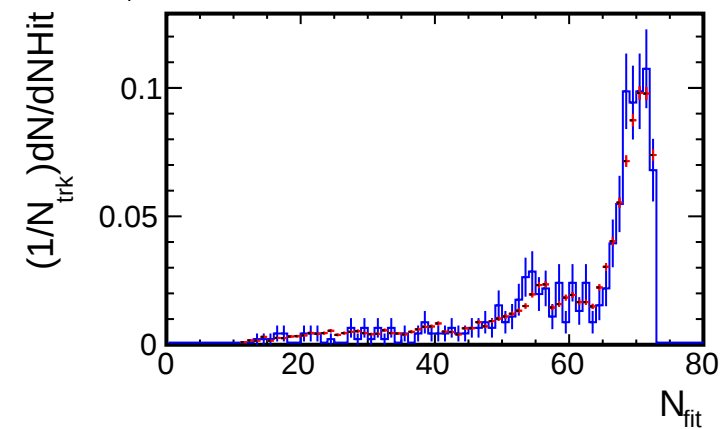


NHit distribution for (p_T , η) slices

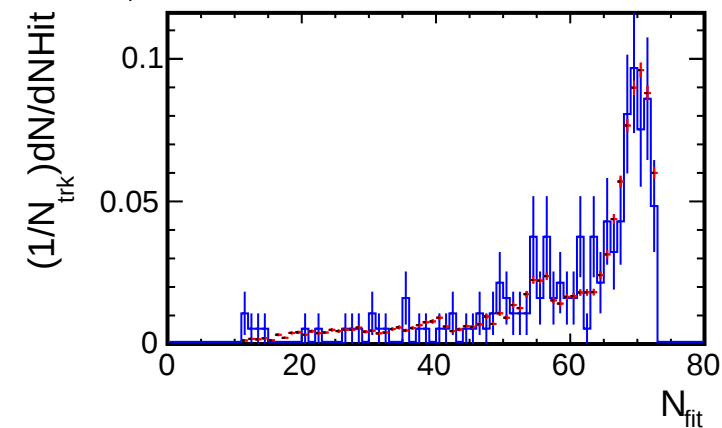
1.8, $2.5 < p_T < 3.0$ (GeV/c)



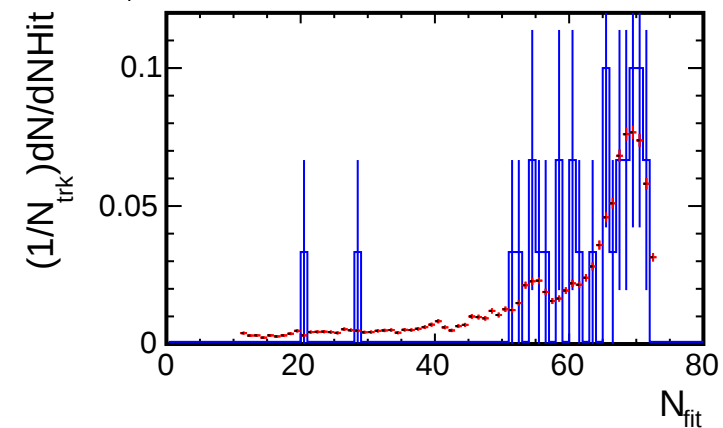
1.6, $2.5 < p_T < 3.0$ (GeV/c)



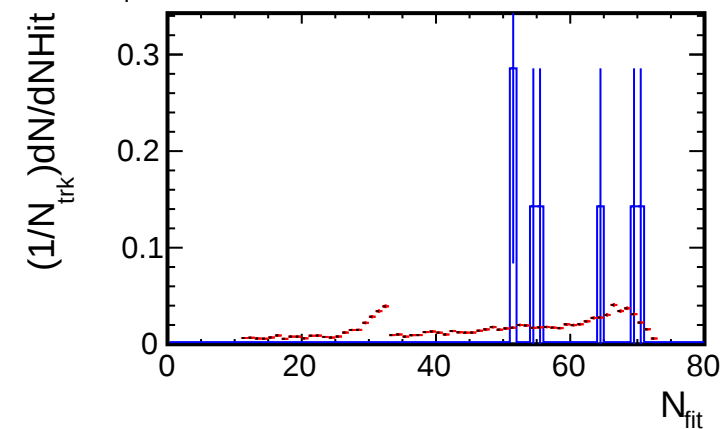
1.4, $2.5 < p_T < 3.0$ (GeV/c)



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



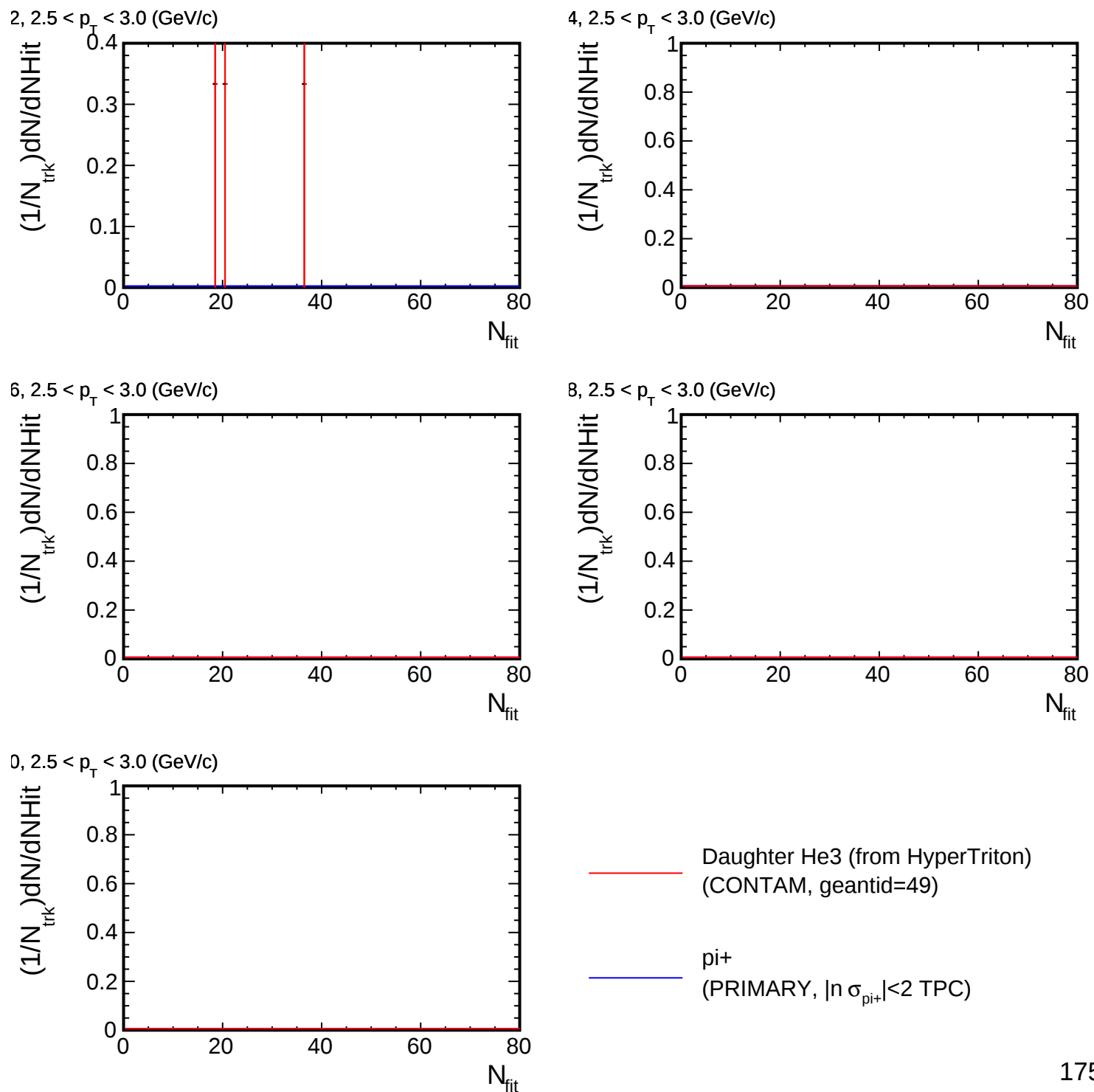
1.0, $2.5 < p_T < 3.0$ (GeV/c)



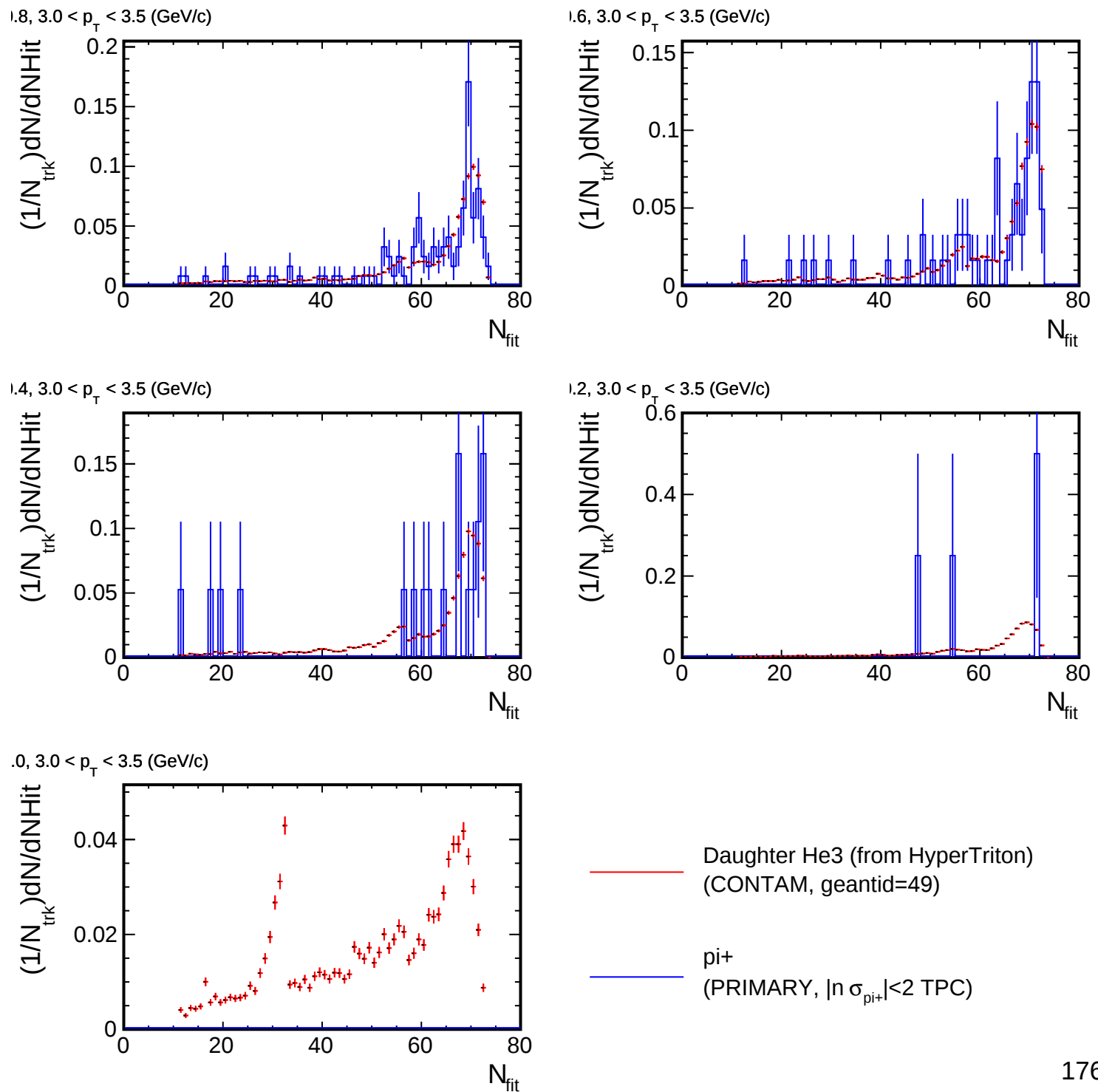
— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

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

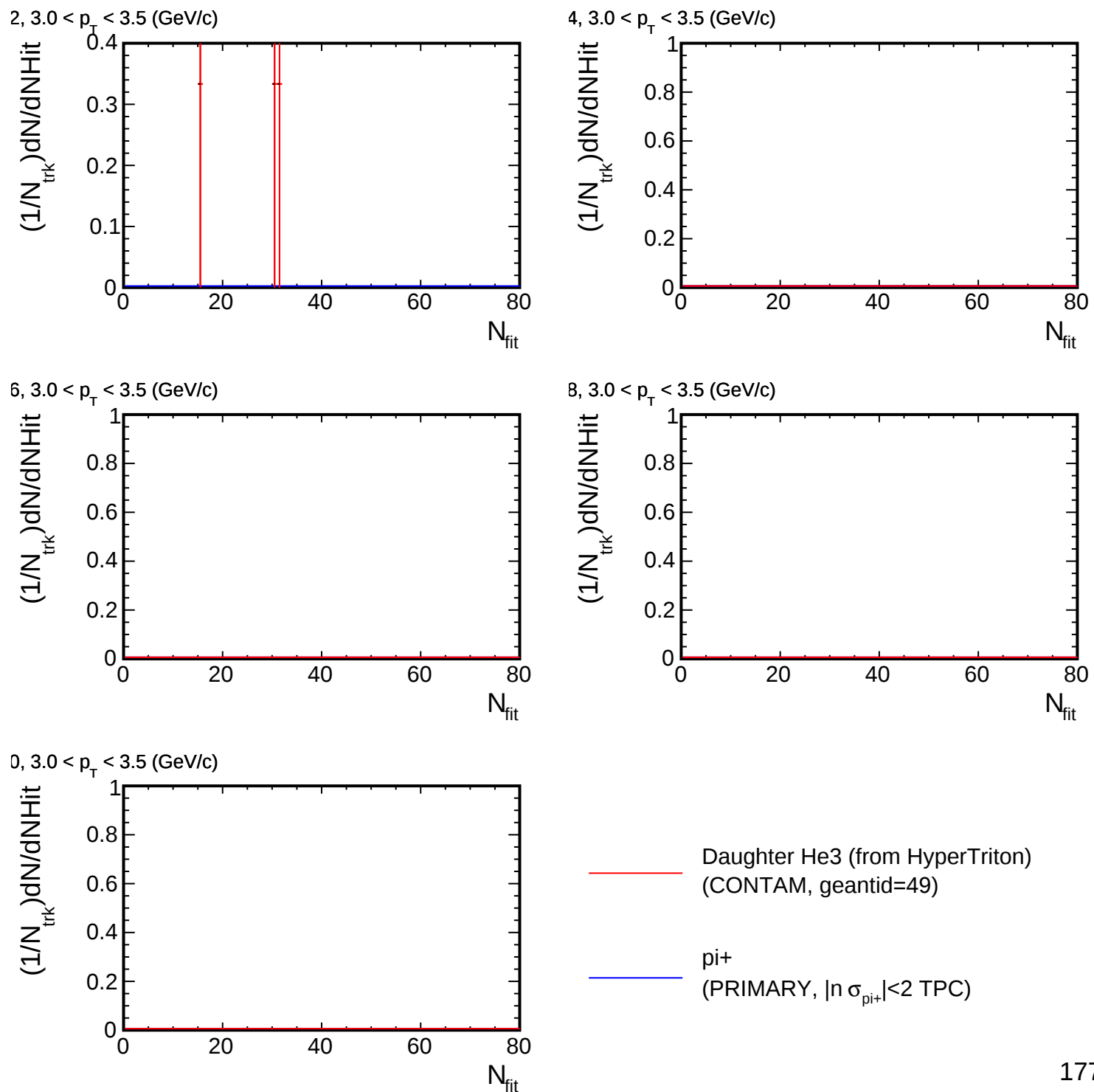
NHit distribution for (p_T , η) slices



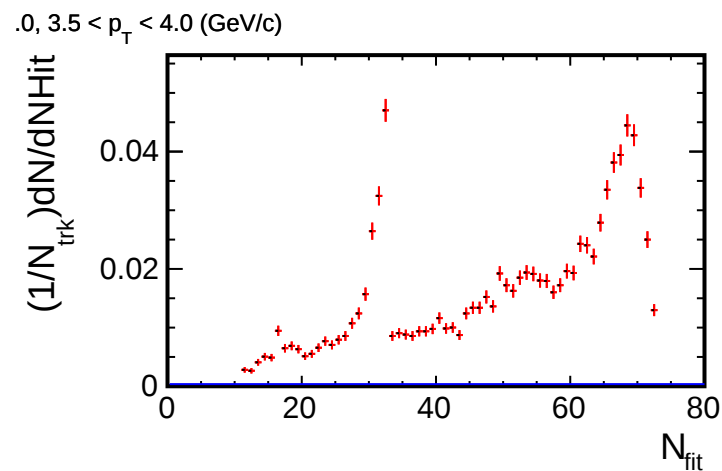
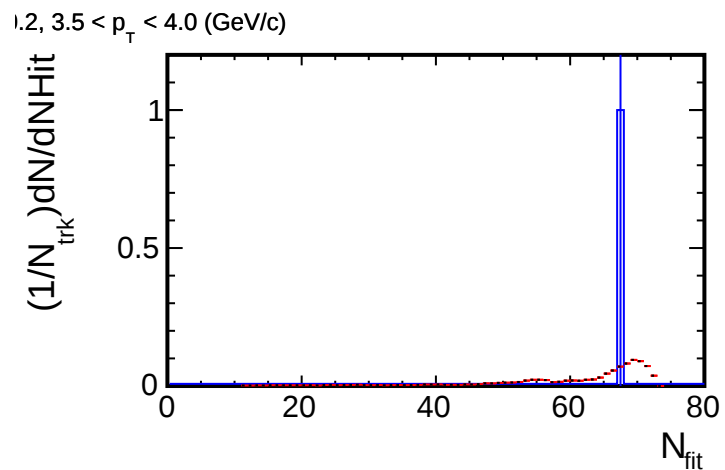
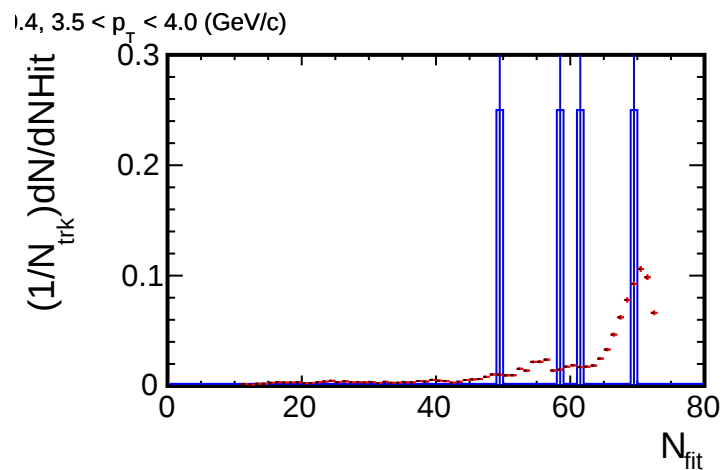
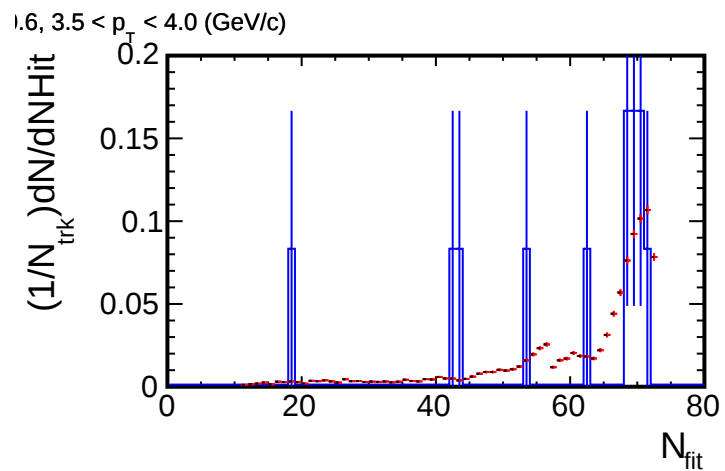
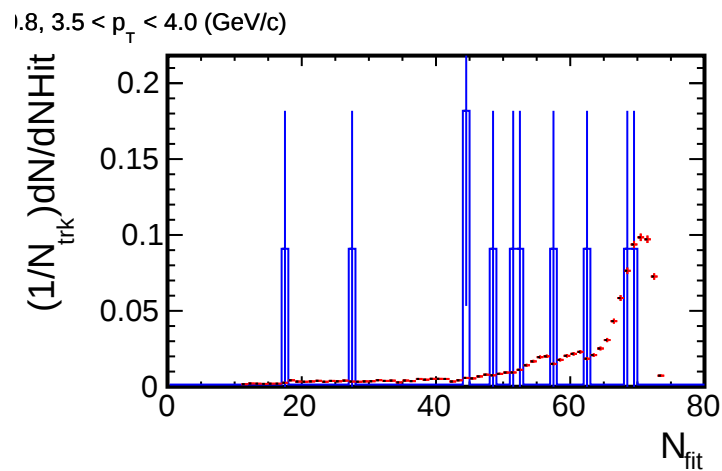
NHit distribution for (p_T , η) slices



NHit distribution for (p_T , η) slices



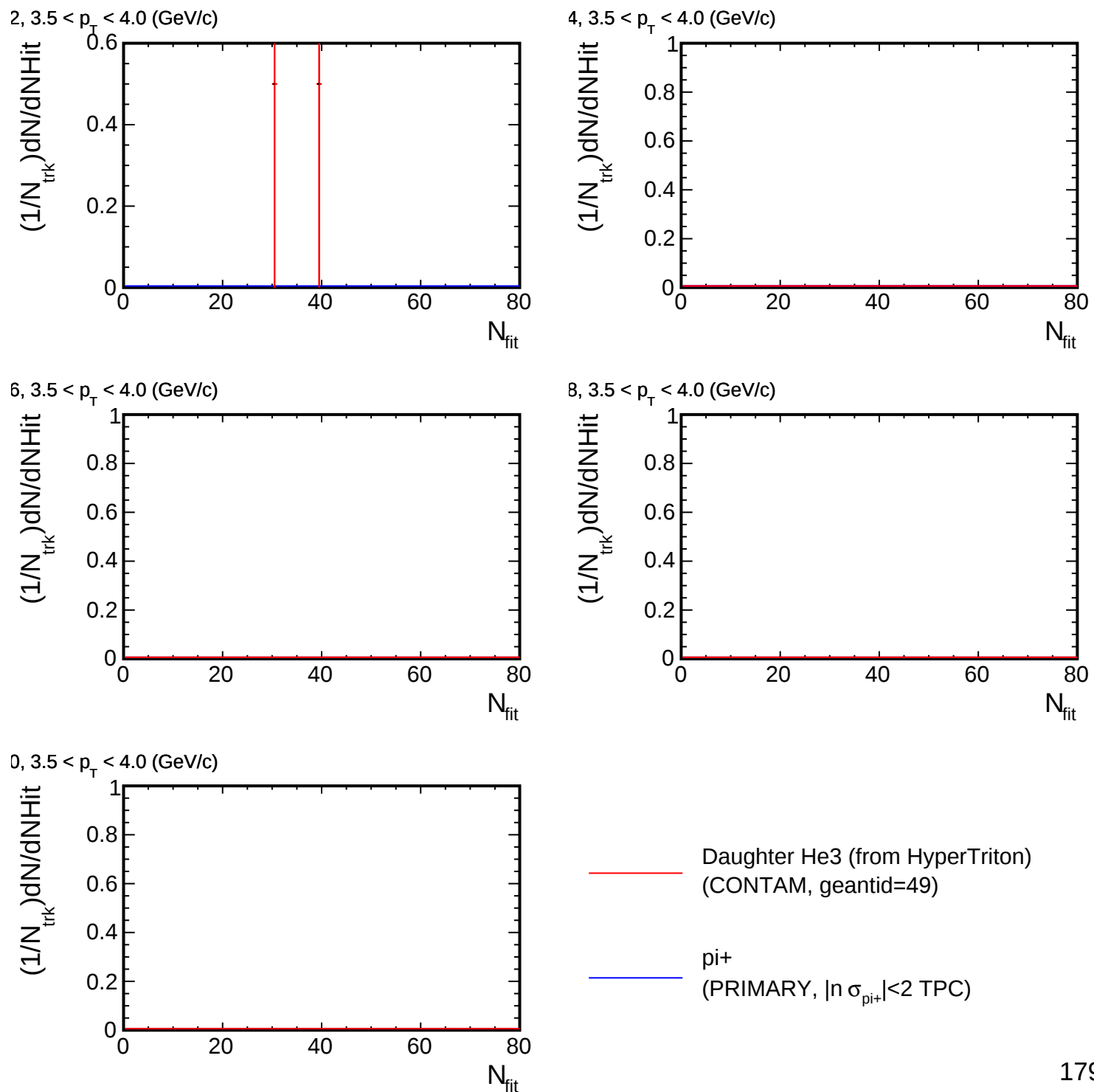
NHit distribution for (p_T , η) slices



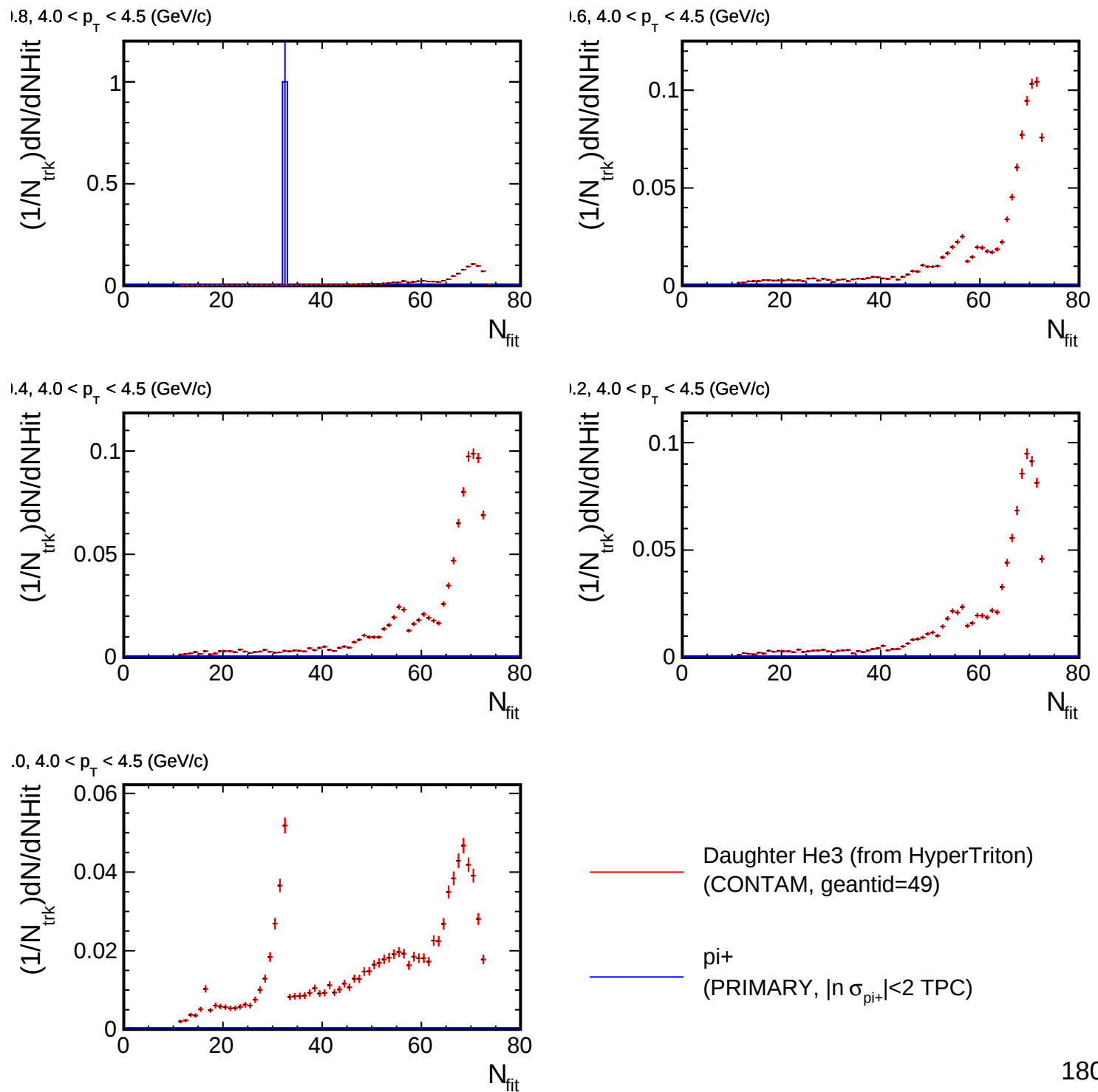
— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

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

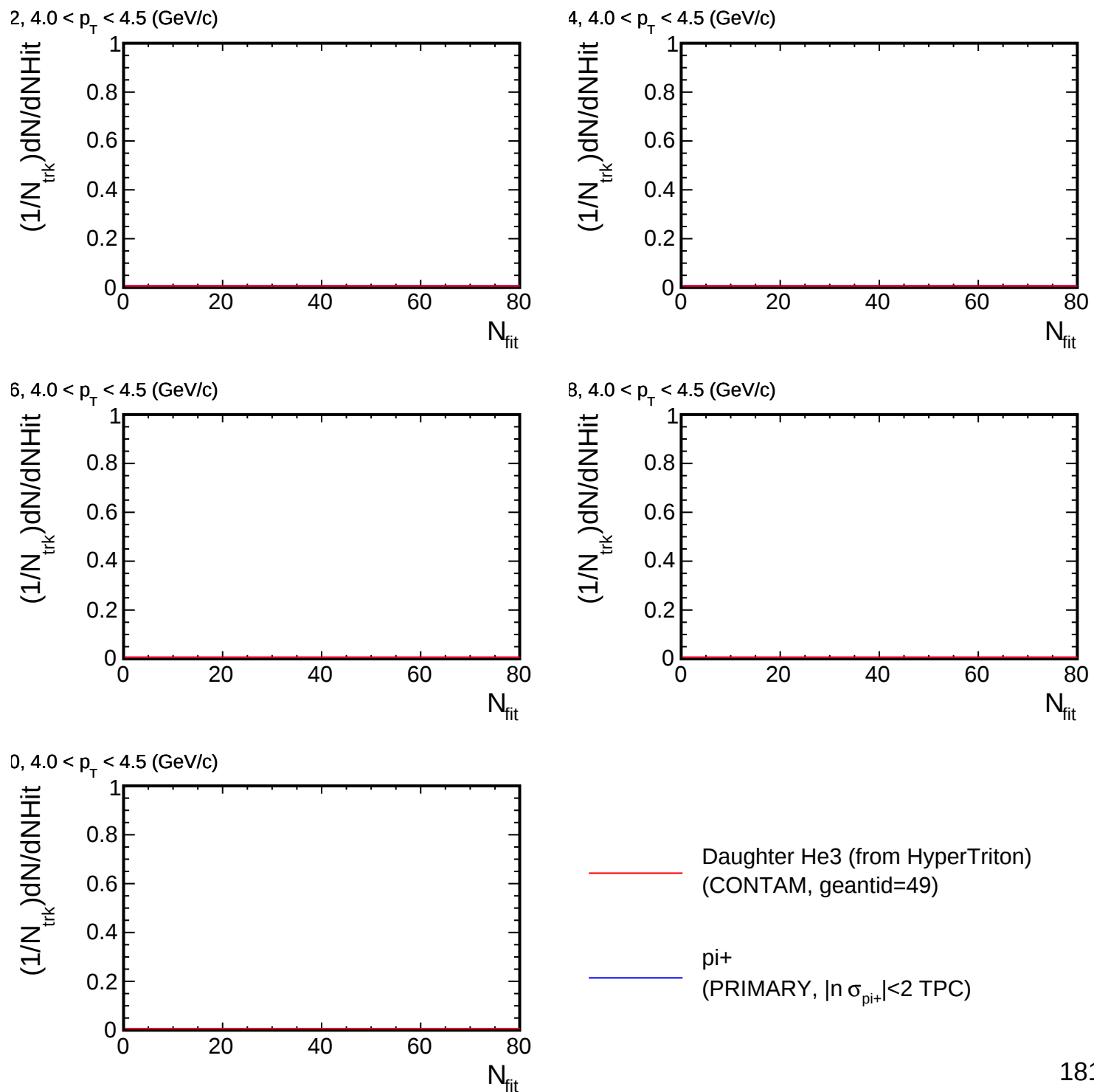
NHit distribution for (p_T , η) slices



NHit distribution for (p_T , η) slices

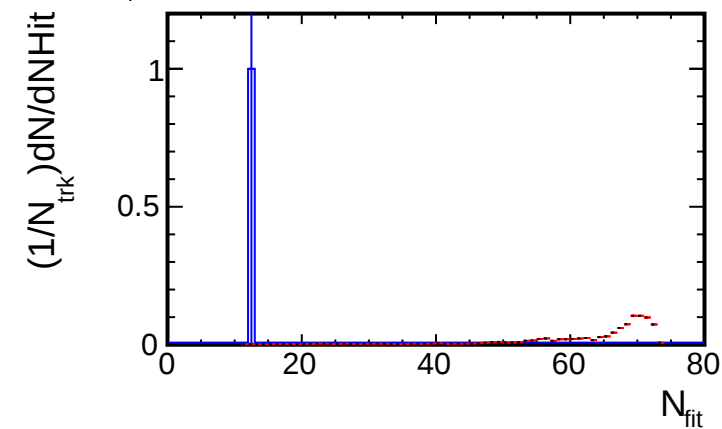


NHit distribution for (p_T , η) slices

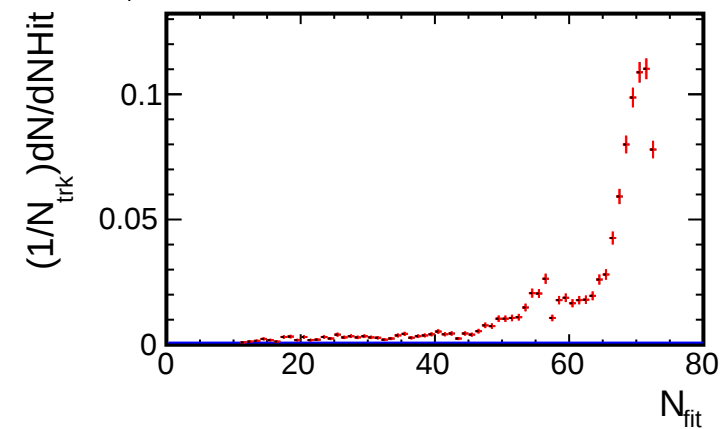


NHit distribution for (p_T , η) slices

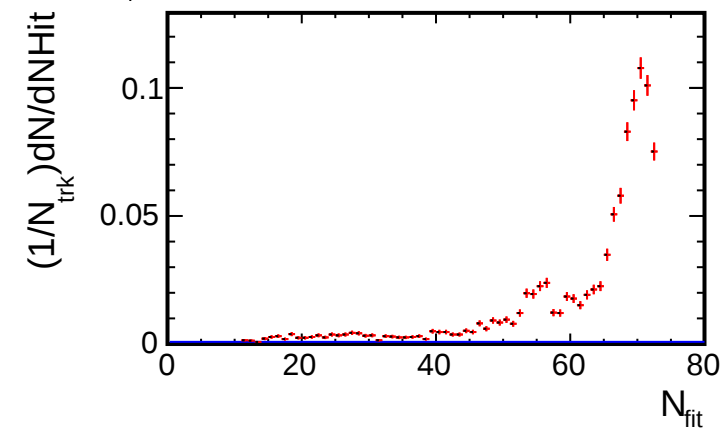
1.8, $4.5 < p_T < 5.0$ (GeV/c)



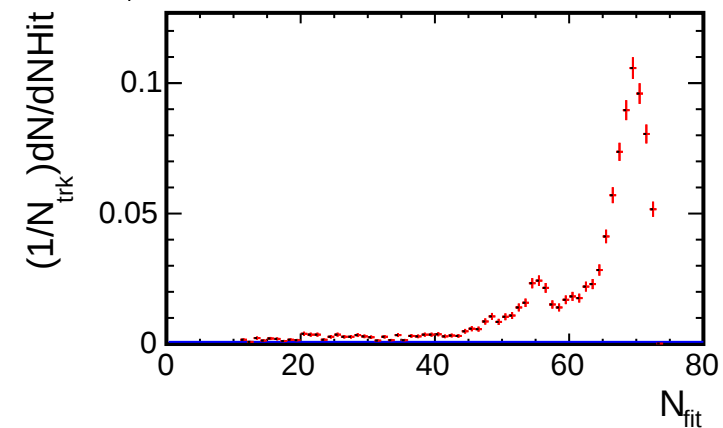
1.6, $4.5 < p_T < 5.0$ (GeV/c)



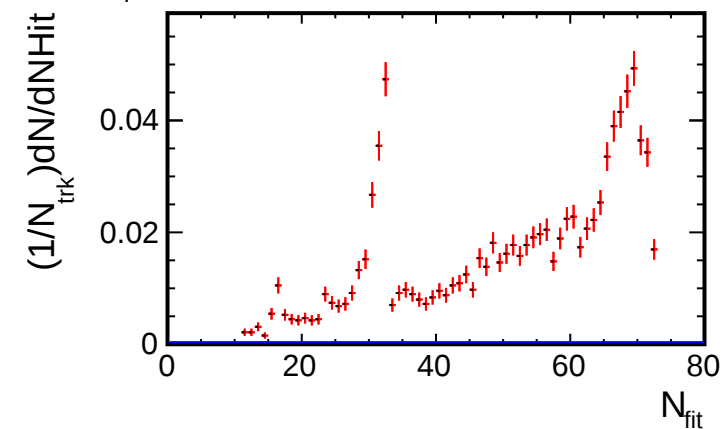
1.4, $4.5 < p_T < 5.0$ (GeV/c)



1.2, $4.5 < p_T < 5.0$ (GeV/c)



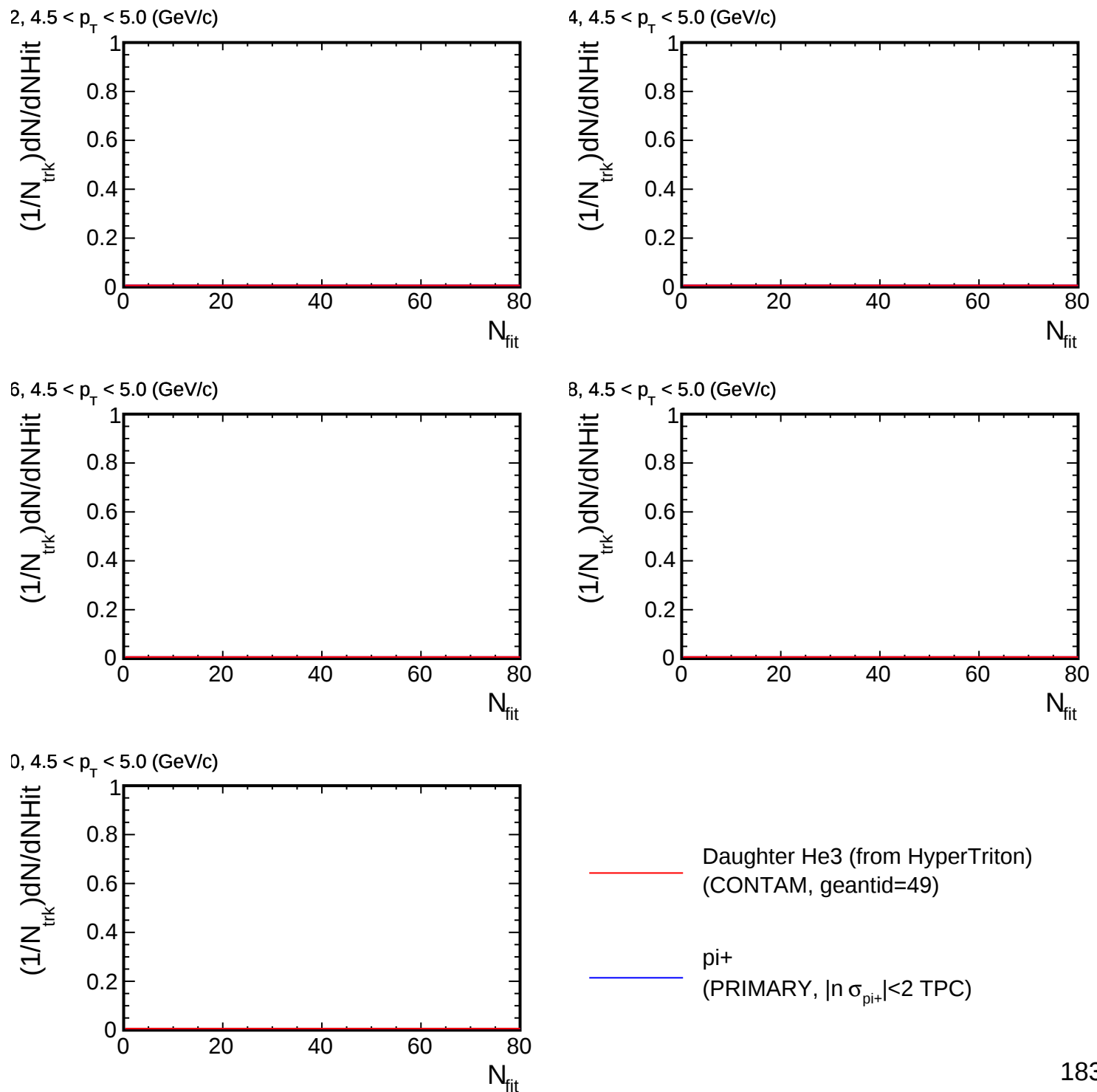
1.0, $4.5 < p_T < 5.0$ (GeV/c)



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

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

NHit distribution for (p_T , η) slices



End of QA