

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 = 730000

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

$|\eta| < 10.00$

$|y| < 2.50$

nHitsFit > 10

nHitsFit/nHitsPoss > 0.51

global Dca < 3.0 cm

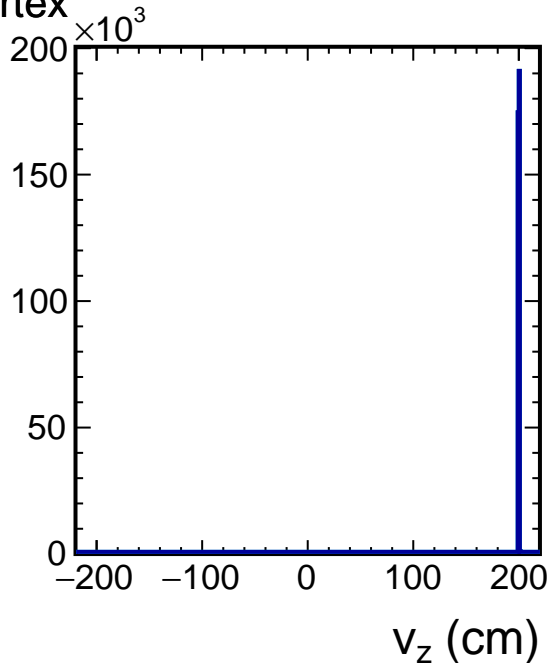
$|\sigma| < 2.0$, using TPC dE/dx

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

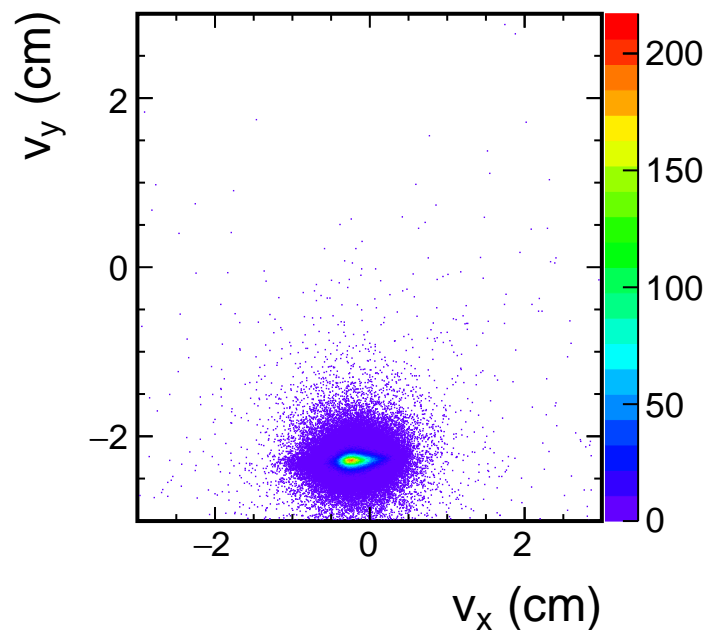
NOTE2: Cut on its own variable is currently disabled, e.x. no dca cut for dca histogram

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

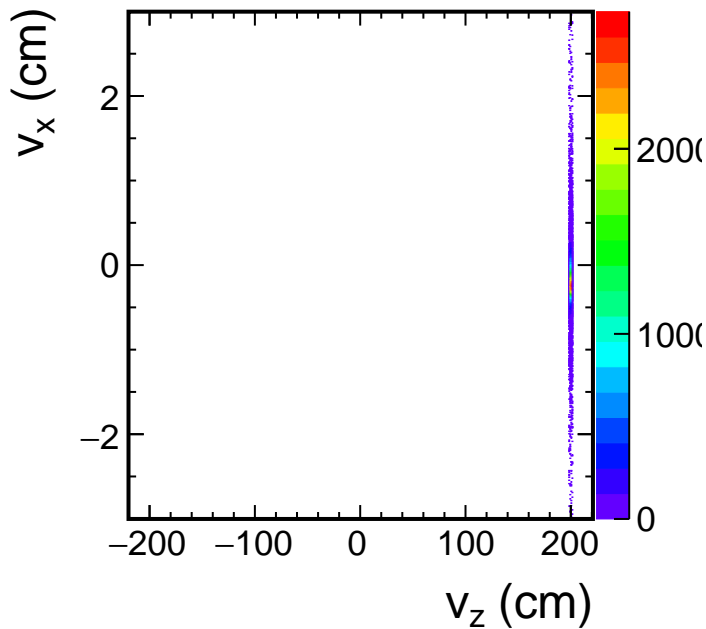
z-vertex



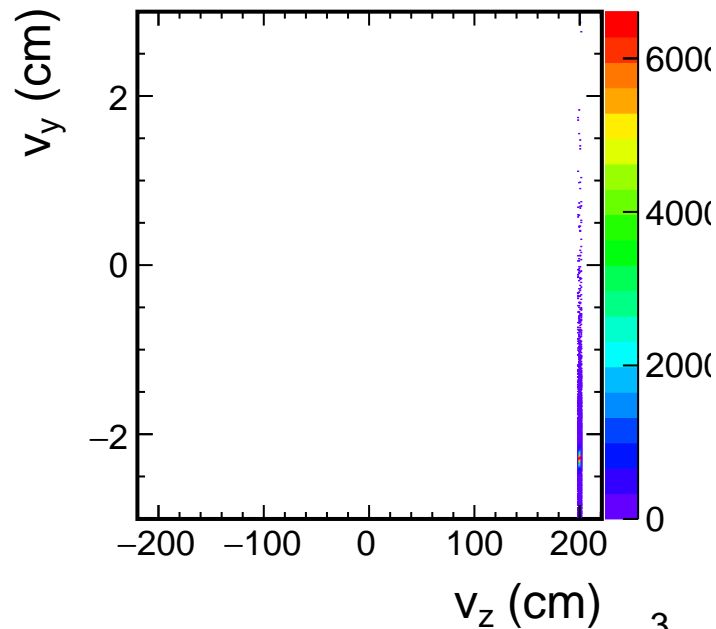
v_y vs v_x



v_x vs v_z

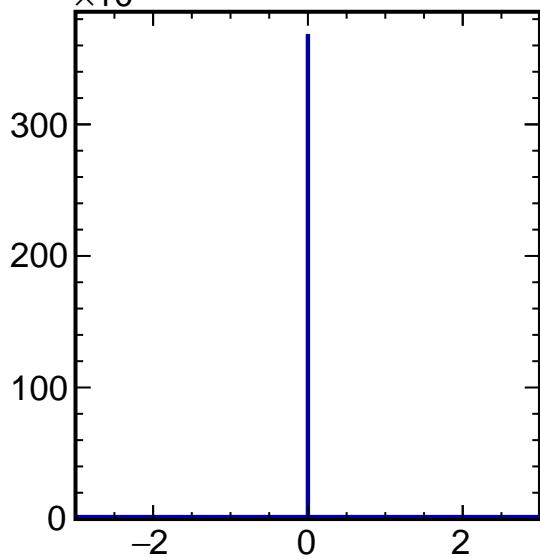


v_y vs v_z



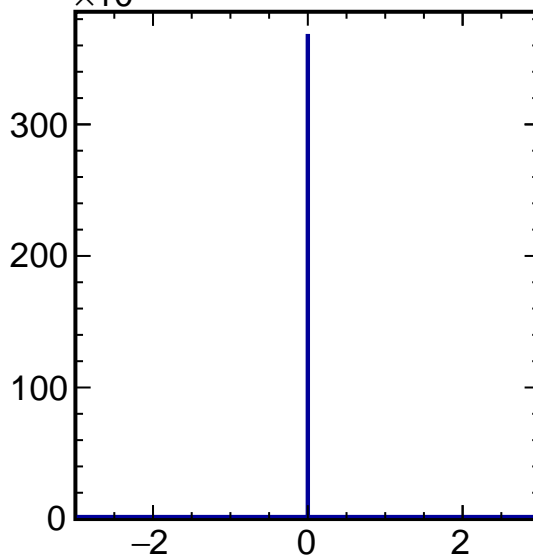
Event vertices, $\Delta v = v(\text{Data}) - v(\text{MC})$

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



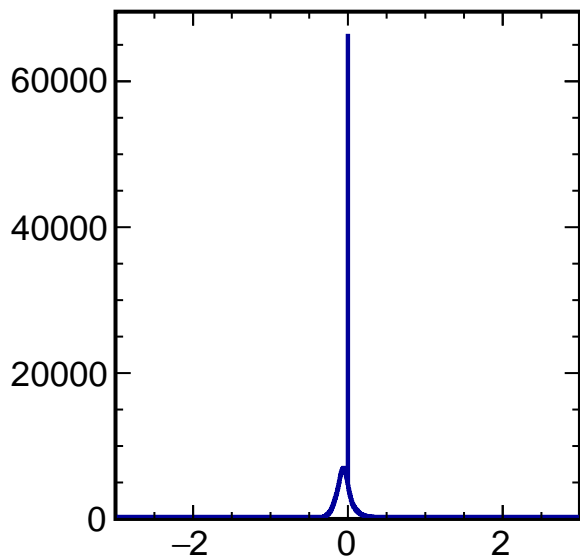
$\Delta v_x = v_x - v_x(\text{MC})$ (cm)

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



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

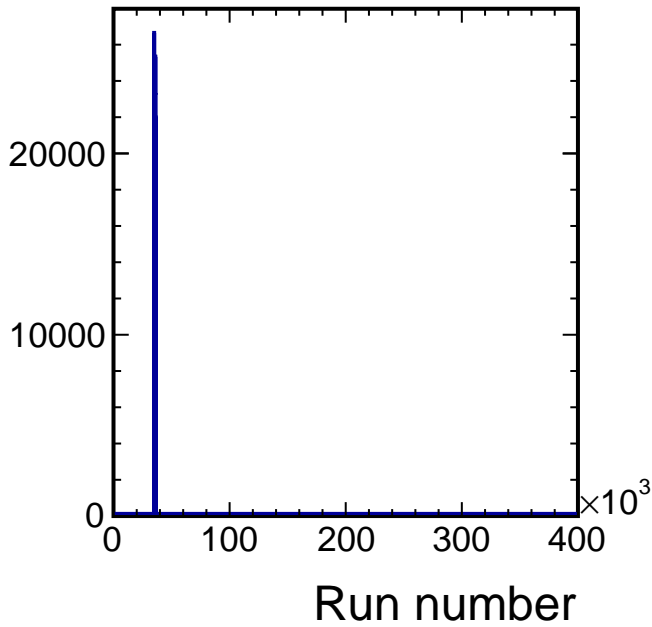
$= v_z - v_z(\text{MC})$



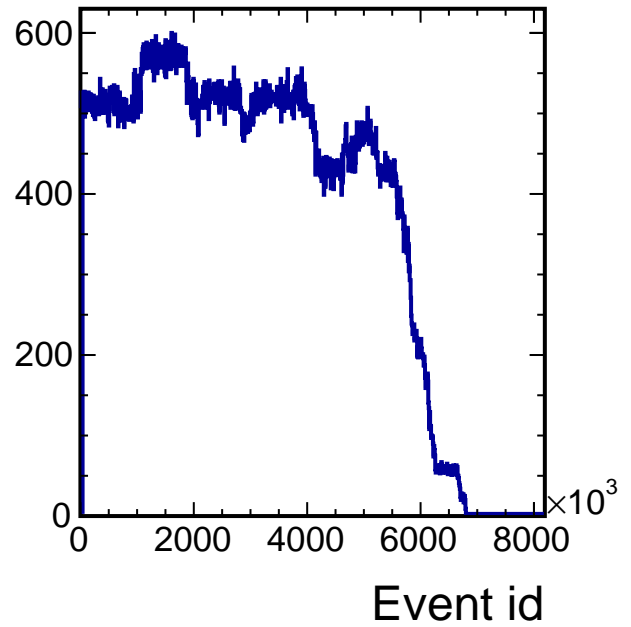
$\Delta v_z = v_z - v_z(\text{MC})$ (cm)

Run and event id

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



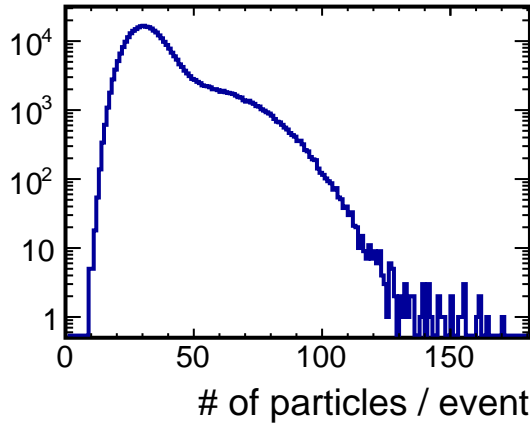
Event id



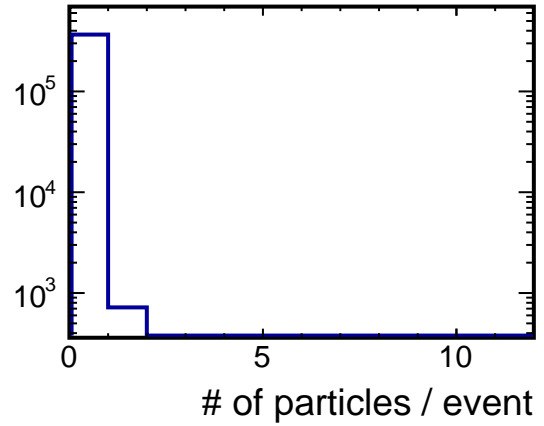
Run id	statistics	Run id	statistics	Run id	statistics	Run id	statistics
21035003	26648 events	21035012	10140 events	21035027	12961 events	21036002	2792 events
21035004	17592 events	21035013	16761 events	21035028	8228 events	21036003	2744 events
21035005	22313 events	21035016	15198 events	21035031	21259 events	21036006	25338 events
21035006	6871 events	21035017	8347 events	21035032	16000 events	21036007	23226 events
21035007	4158 events	21035025	15011 events	21035033	16931 events	21036008	14107 events
21035009	8957 events	21035026	18243 events	21035036	15306 events	21036009	21986 events
						21036013	16132 events

Multiplicity distribution

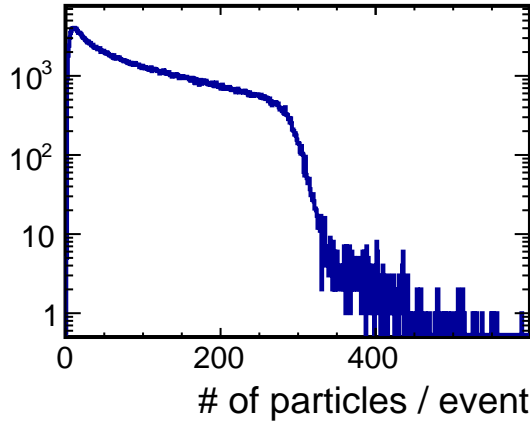
MC tracks



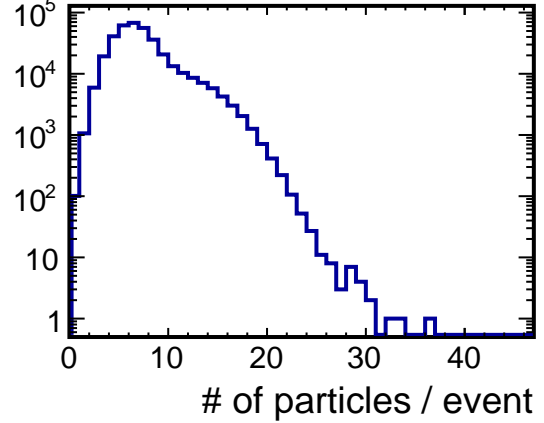
matched pairs



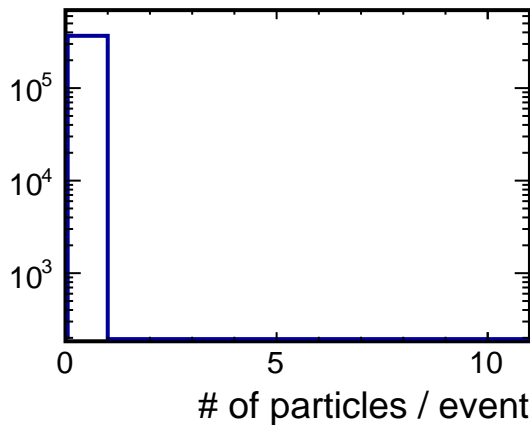
Ghost pairs



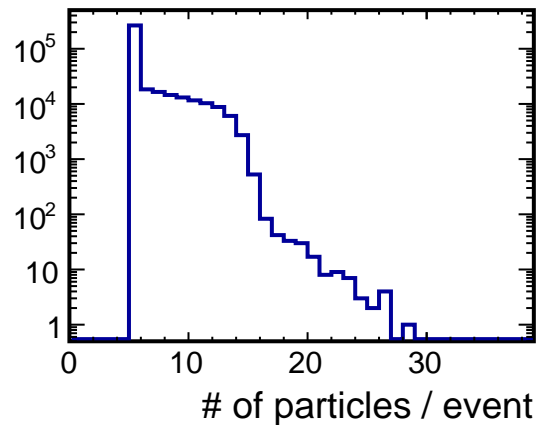
staminated pairs



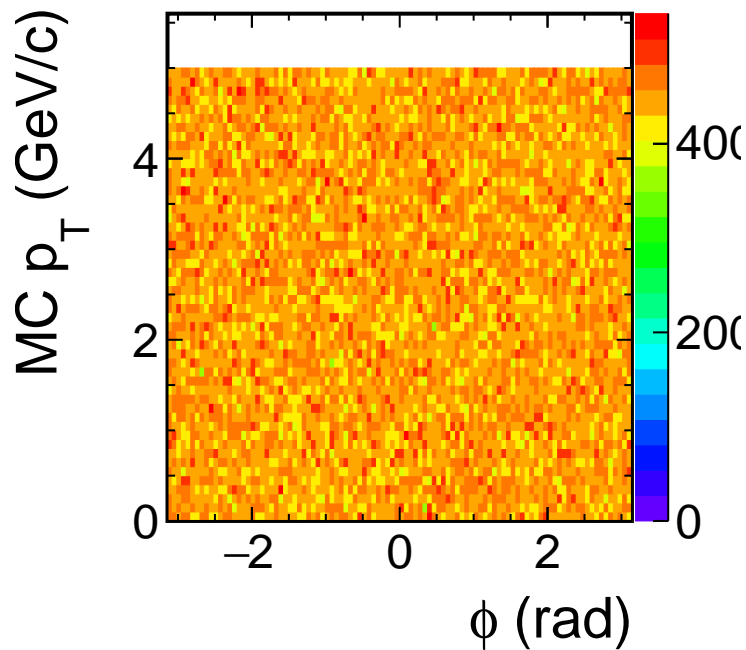
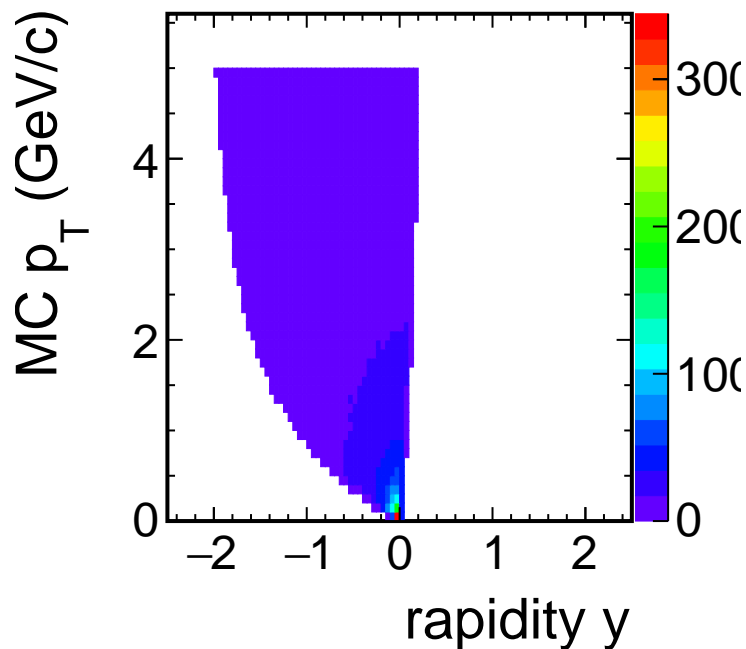
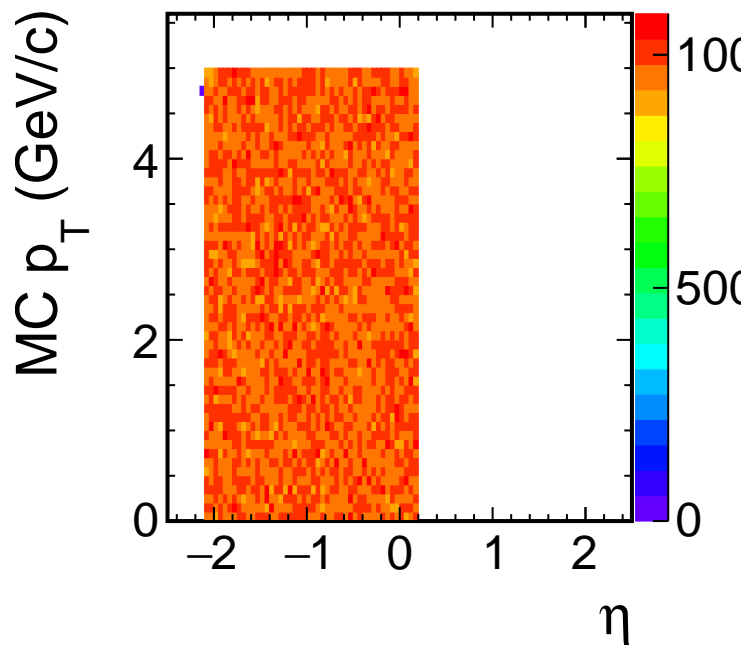
ched global pairs



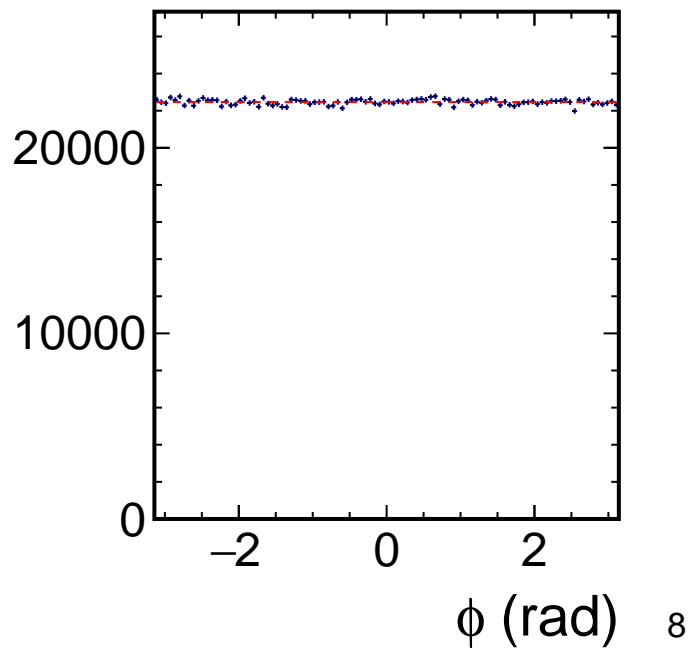
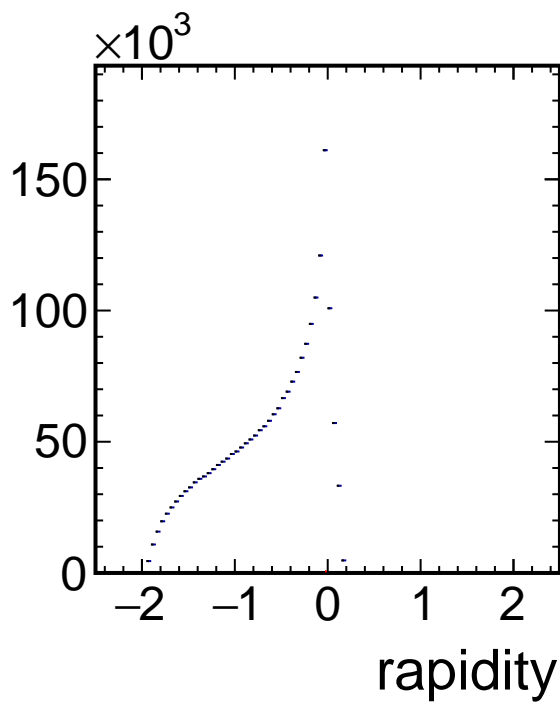
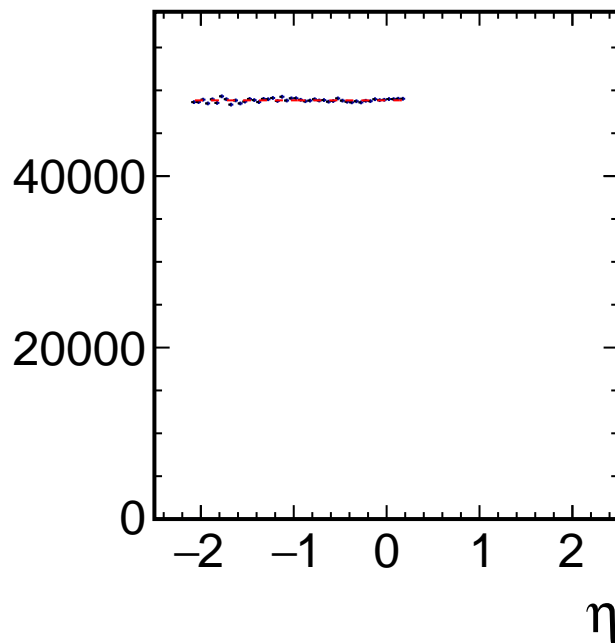
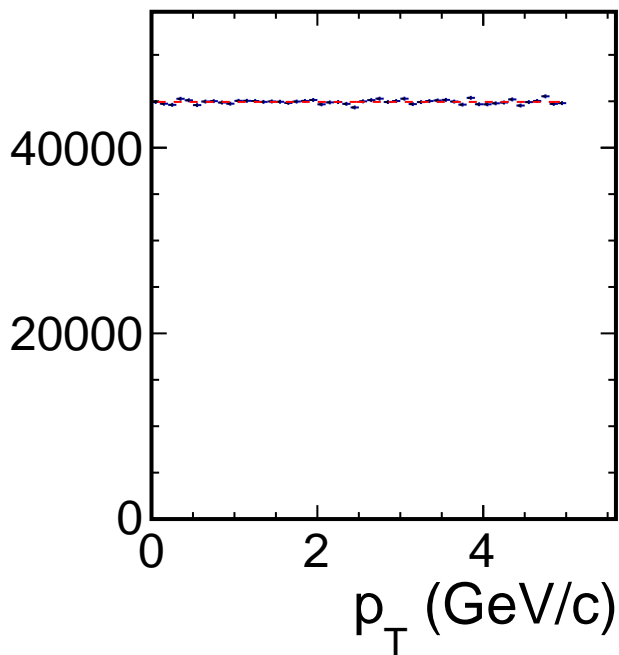
nary MC tracks



MC track QA (2D)

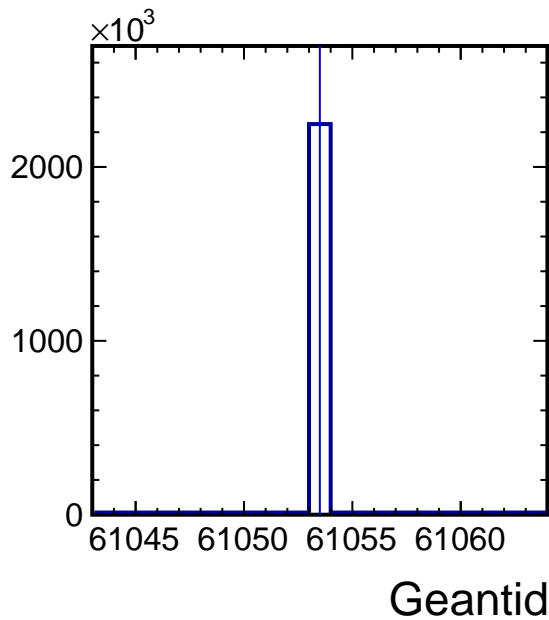


MC track QA (1D)

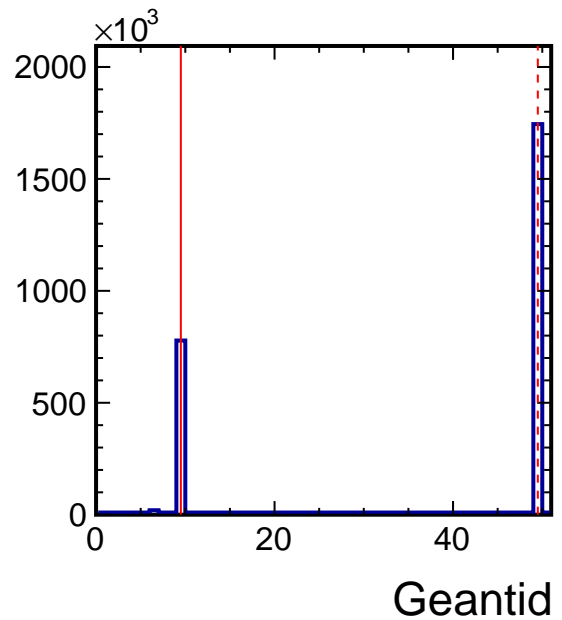


Geant id

it id for HyperTriton



tructed geant id

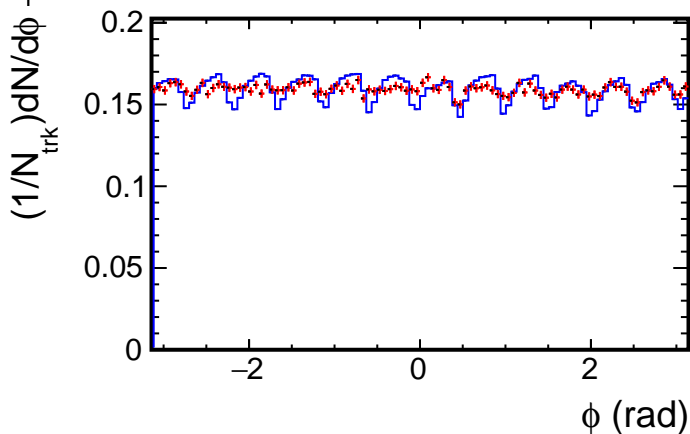


Particle informations

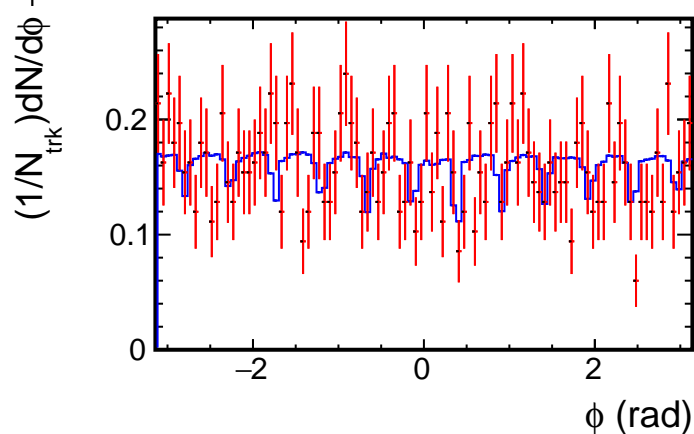
- Parent HyperTriton (MC, geantid=61053)
- Daughter pi⁻ (from HyperTriton) (CONTAM, geantid=9)
- - - Daughter He3 (from HyperTriton) (CONTAM, geantid=49)

Projection of ϕ for each p_T bin

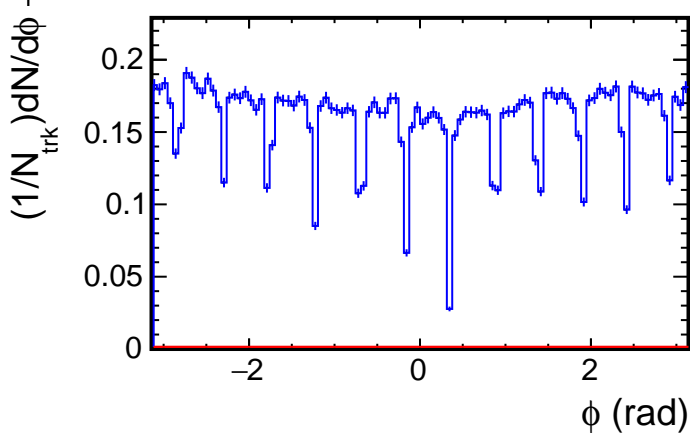
$p_T < 0.5$ (GeV/c)



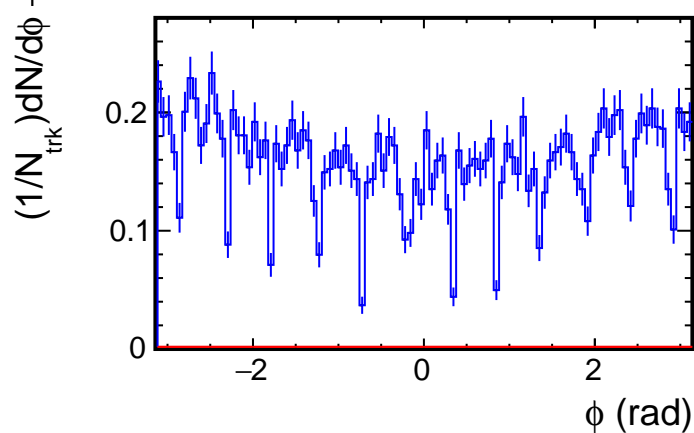
$p_T < 1.0$ (GeV/c)



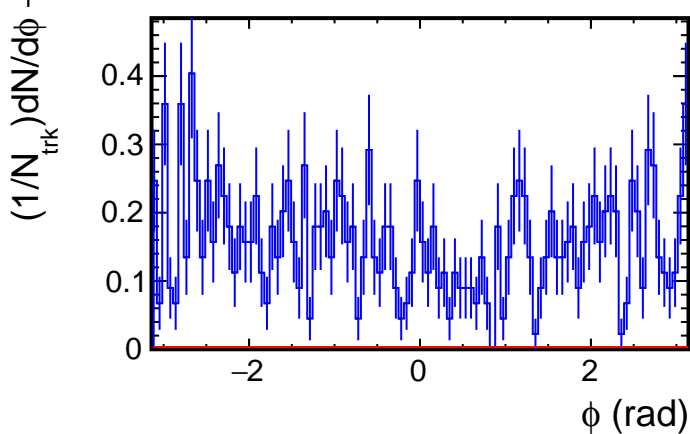
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



$p_T < 2.5$ (GeV/c)

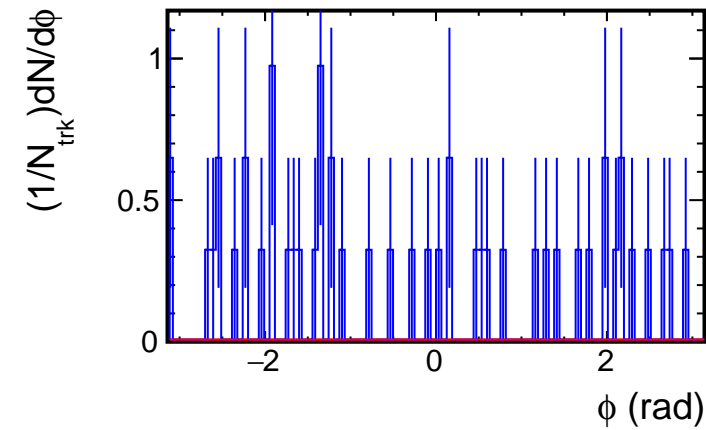


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

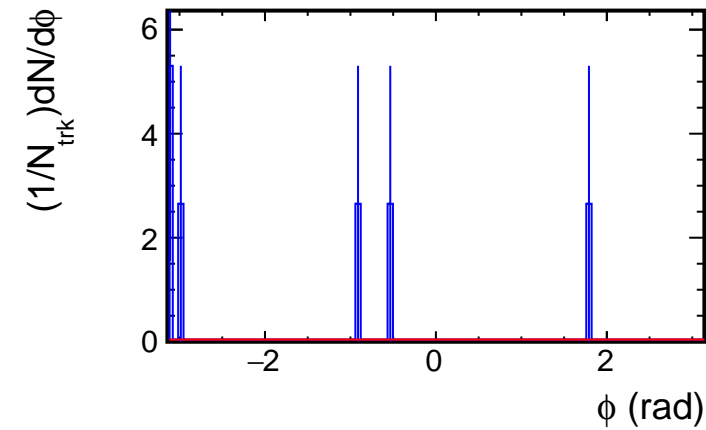
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi-}}| < 2$ TPC)

Projection of ϕ for each p_T bin

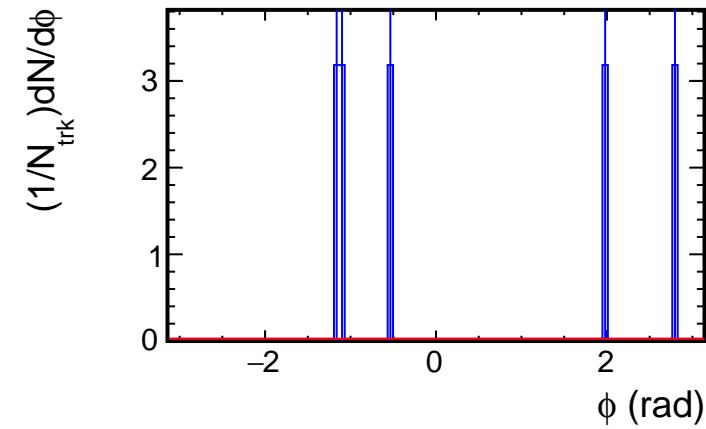
$p_T < 3.0$ (GeV/c)



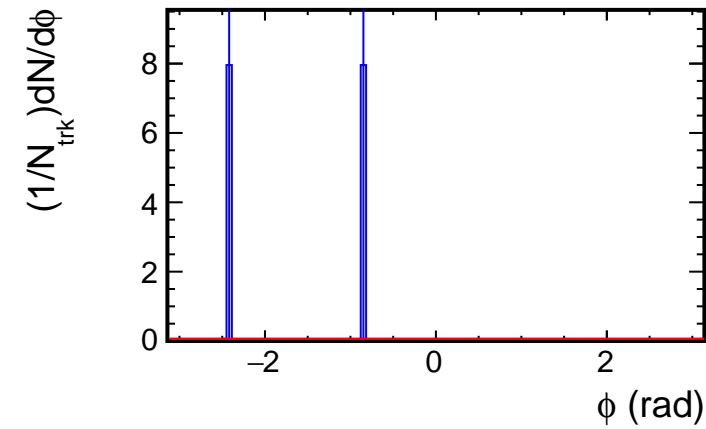
$p_T < 3.5$ (GeV/c)



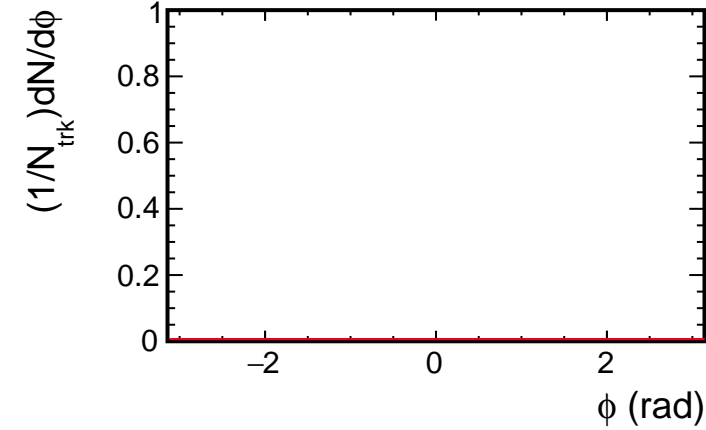
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



$p_T < 5.0$ (GeV/c)

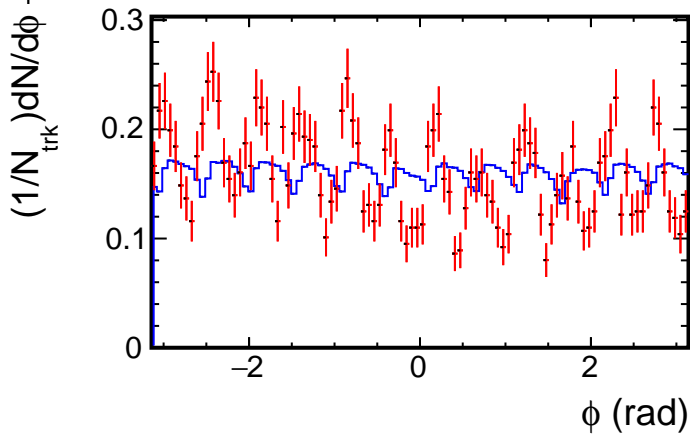


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

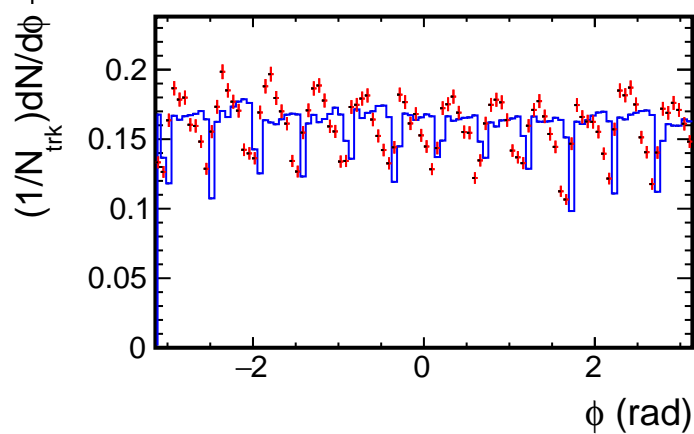
— pi-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Projection of ϕ for each p_T bin

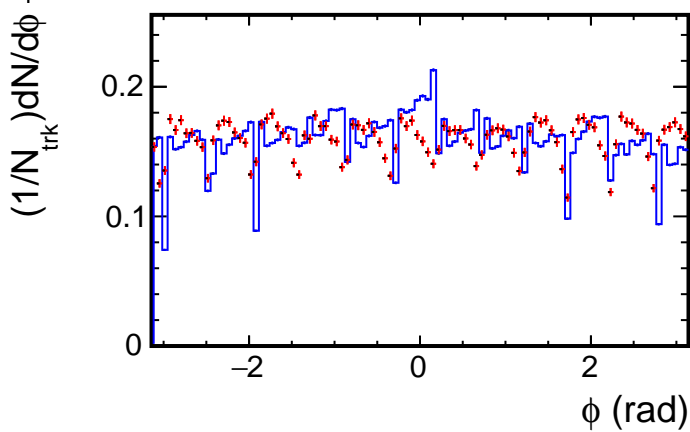
$p_T < 0.5$ (GeV/c)



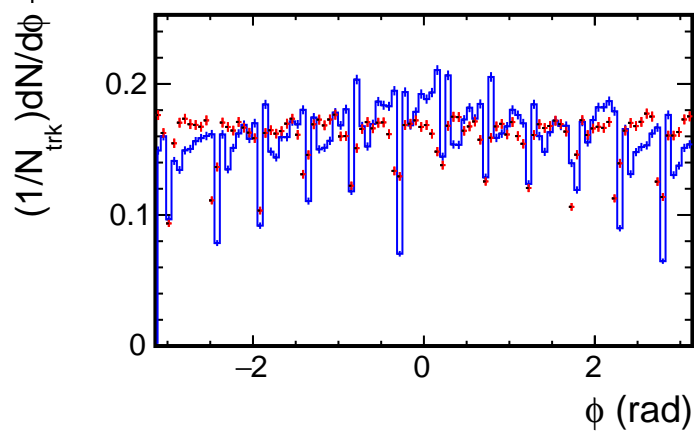
$p_T < 1.0$ (GeV/c)



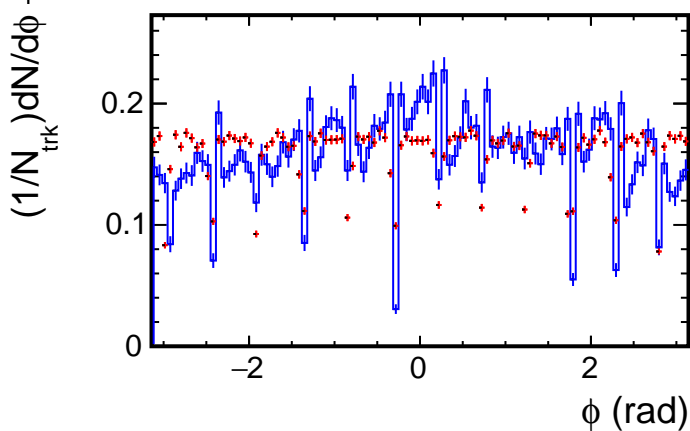
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



$p_T < 2.5$ (GeV/c)

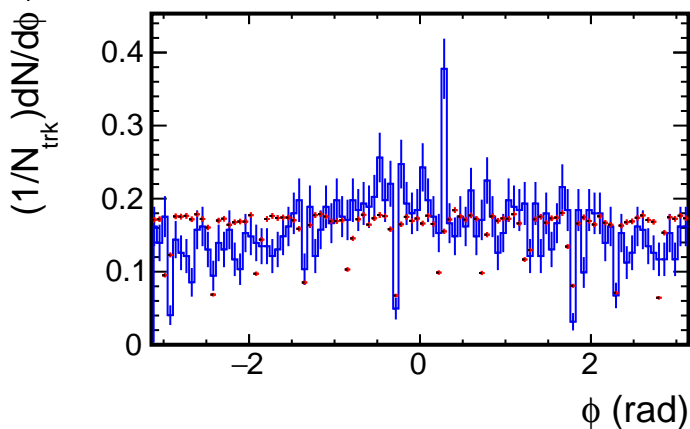


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

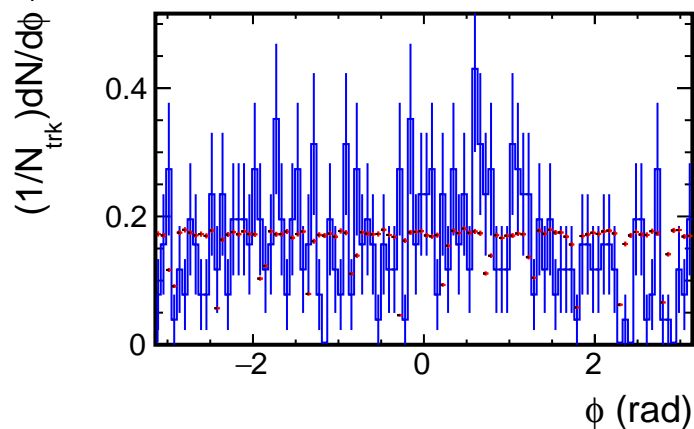
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Projection of ϕ for each p_T bin

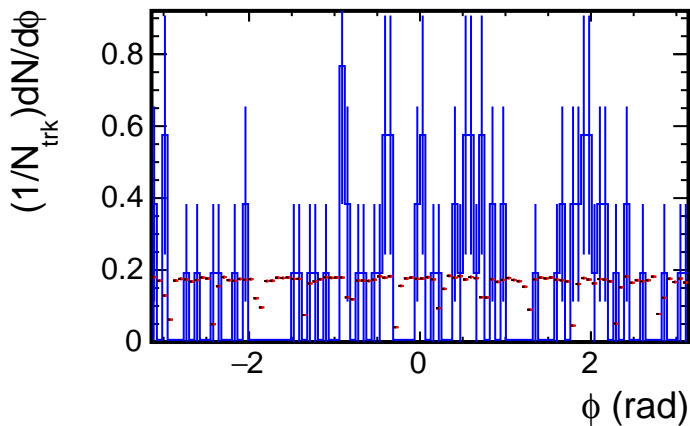
$p_T < 3.0$ (GeV/c)



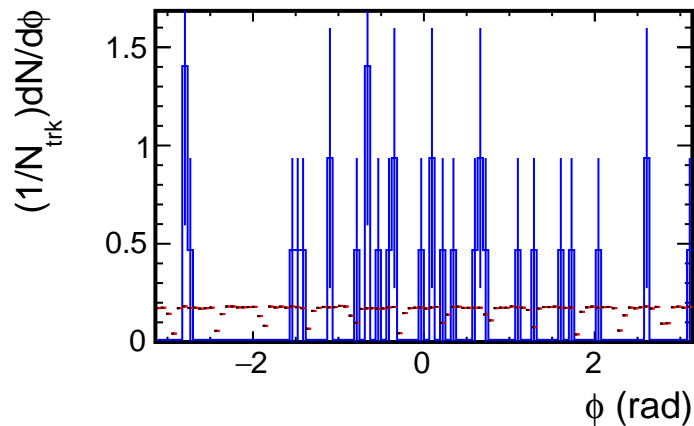
$p_T < 3.5$ (GeV/c)



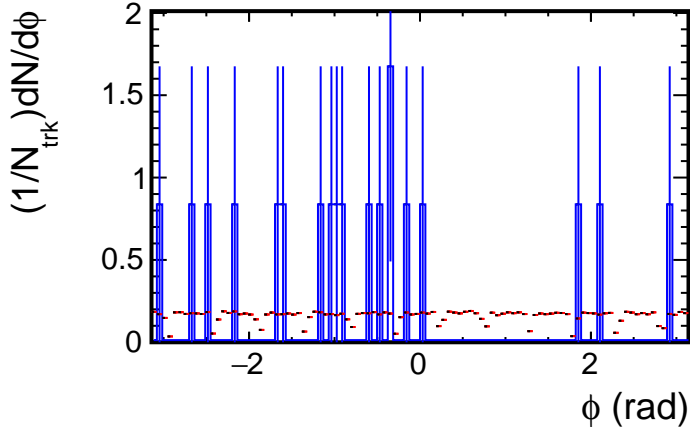
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



$p_T < 5.0$ (GeV/c)

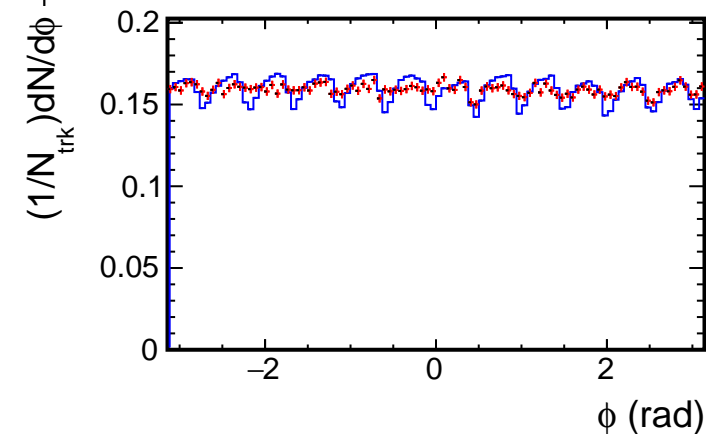


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

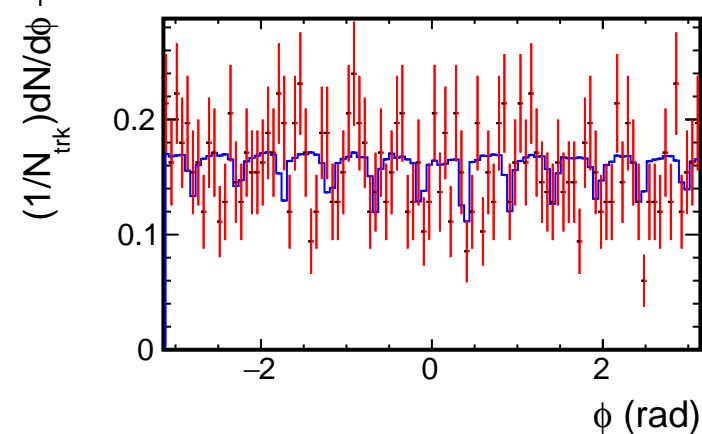
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Projection of ϕ for each p_T bin

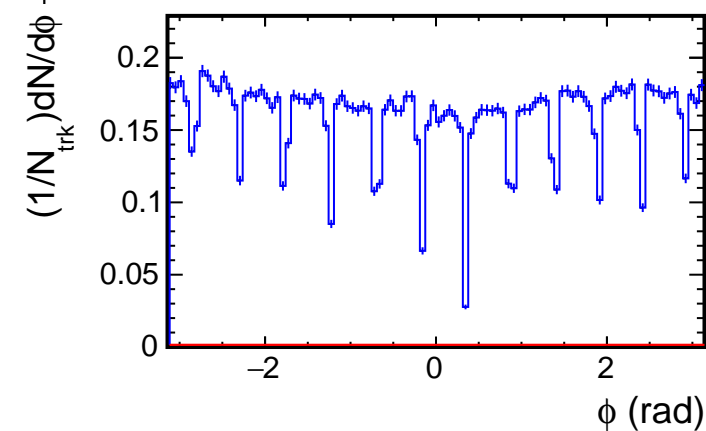
$p_T < 0.5$ (GeV/c)



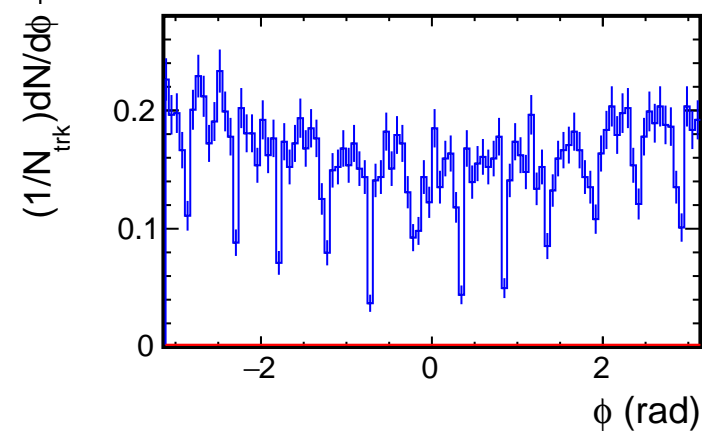
$p_T < 1.0$ (GeV/c)



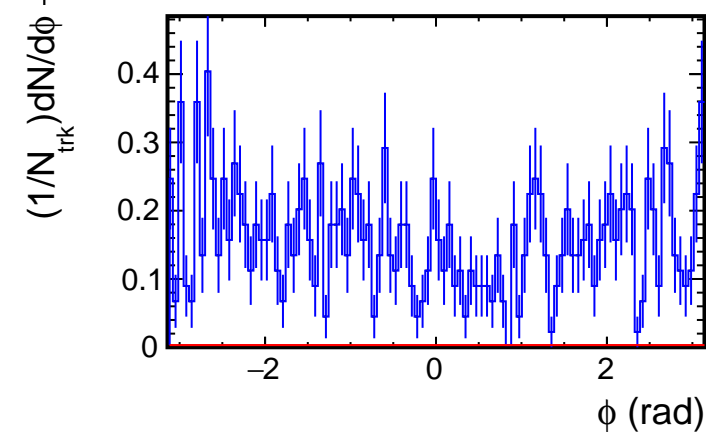
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



$p_T < 2.5$ (GeV/c)

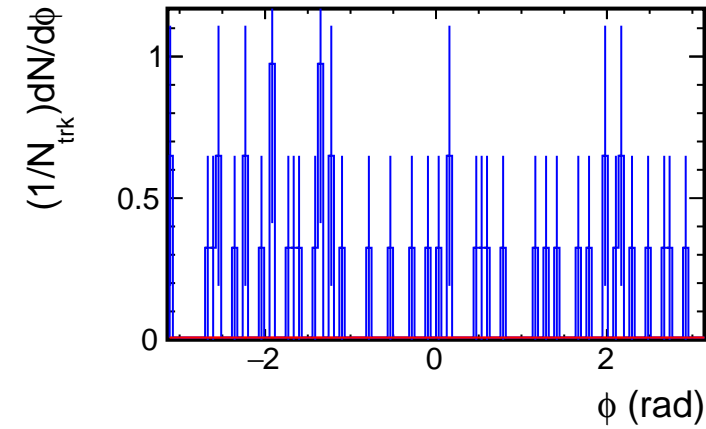


— Daughter π^- (from HyperTriton)
(CONTAM, geantid=9)

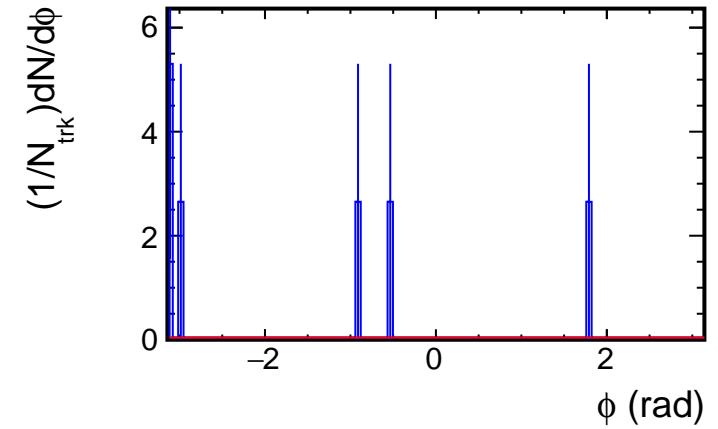
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Projection of ϕ for each p_T bin

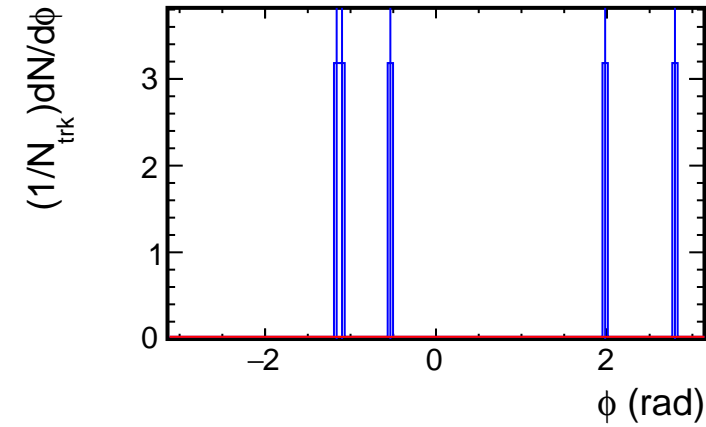
$p_T < 3.0$ (GeV/c)



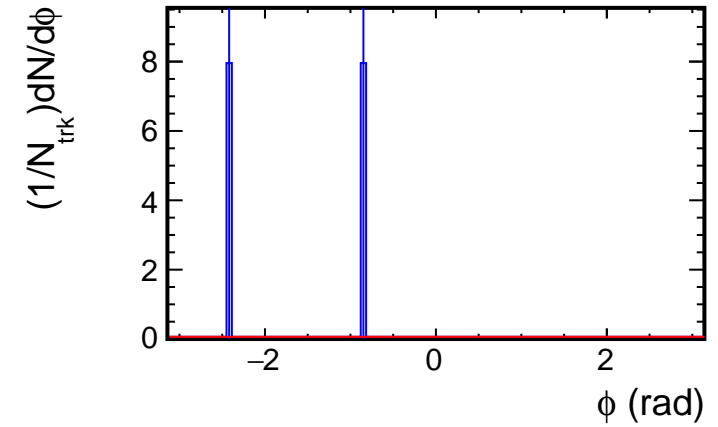
$p_T < 3.5$ (GeV/c)



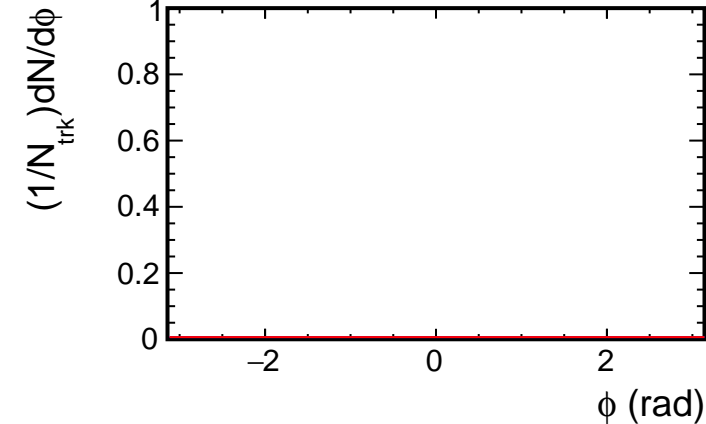
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



$p_T < 5.0$ (GeV/c)

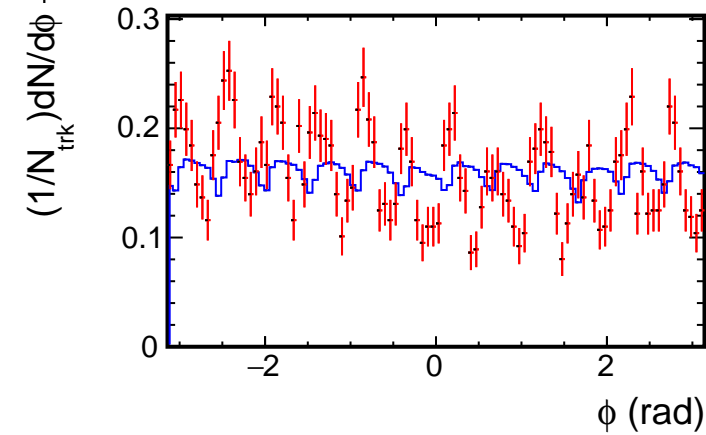


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

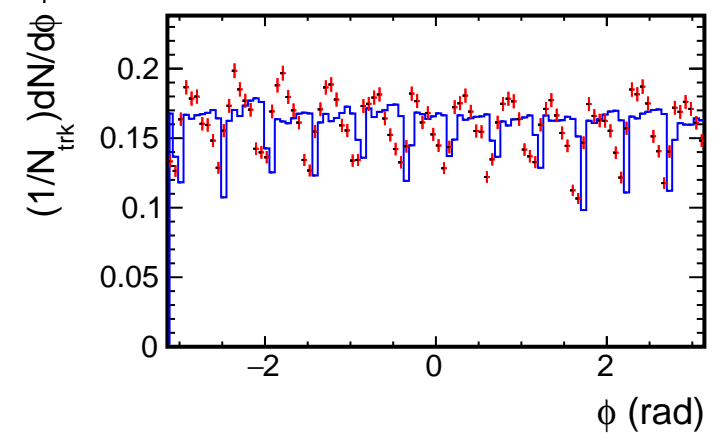
— pi-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Projection of ϕ for each p_T bin

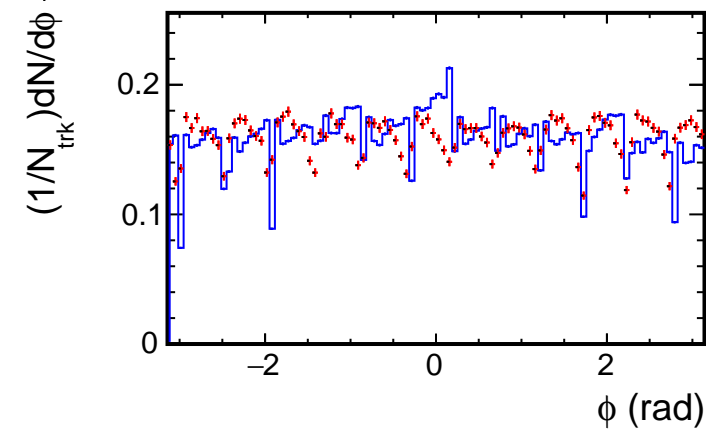
$p_T < 0.5$ (GeV/c)



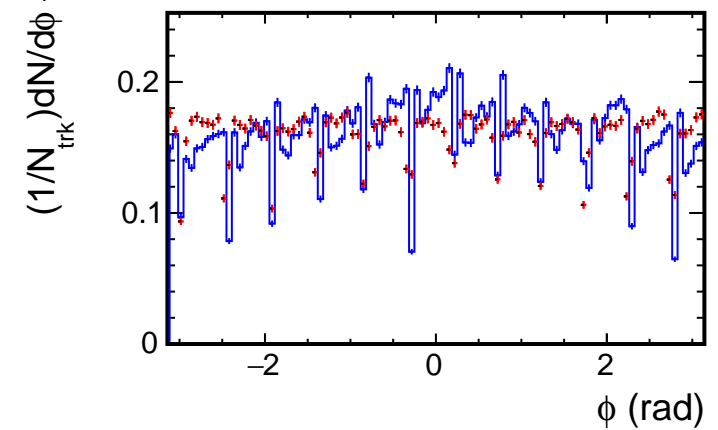
$p_T < 1.0$ (GeV/c)



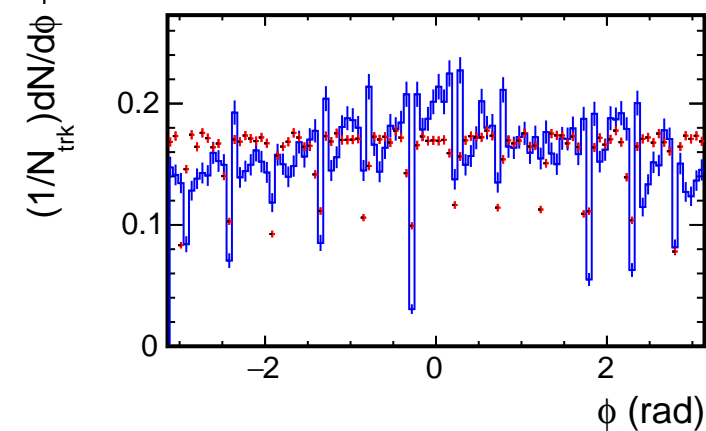
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



$p_T < 2.5$ (GeV/c)

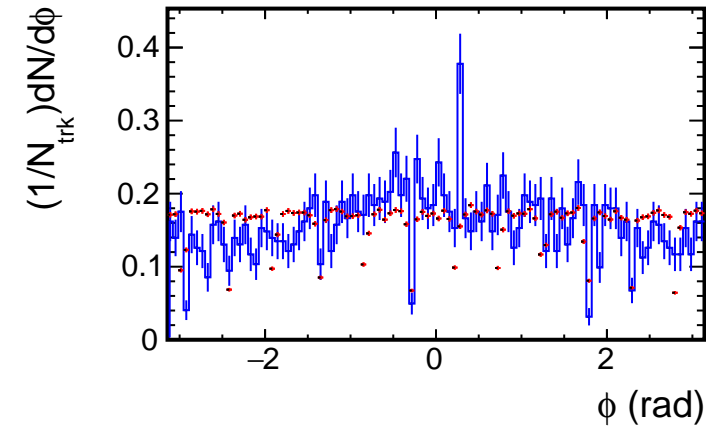


— Daughter He3 (from HyperTriton)
 (CONTAM, geantid=49)

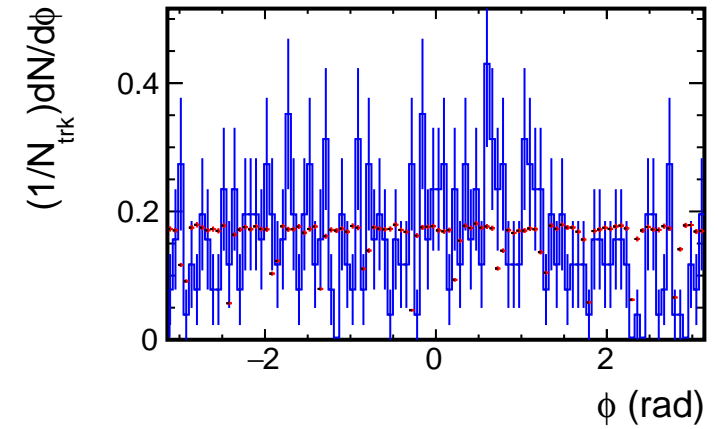
— pi+
 (PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Projection of ϕ for each p_T bin

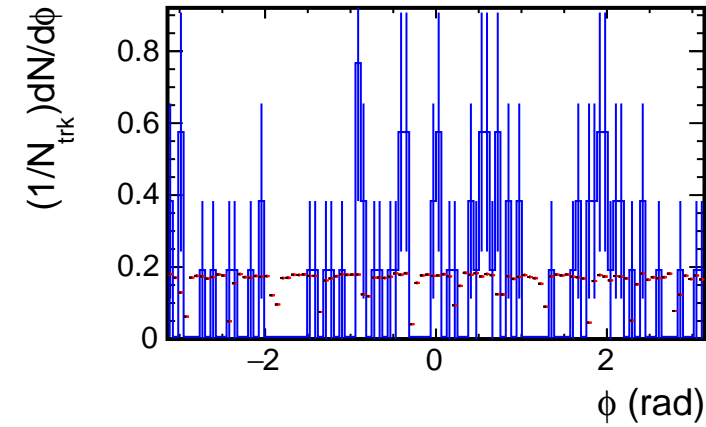
$p_T < 3.0$ (GeV/c)



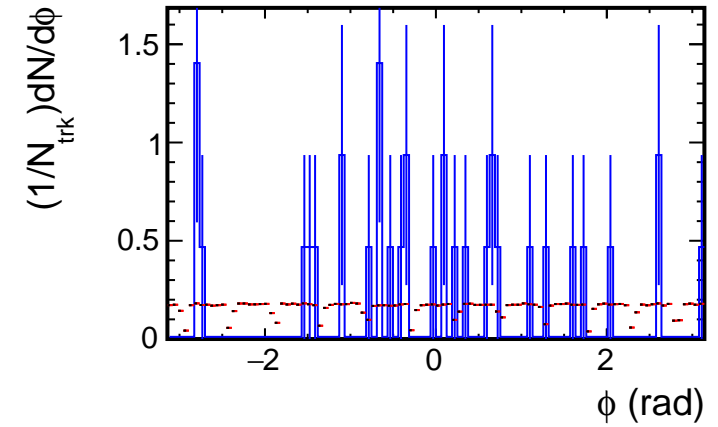
$p_T < 3.5$ (GeV/c)



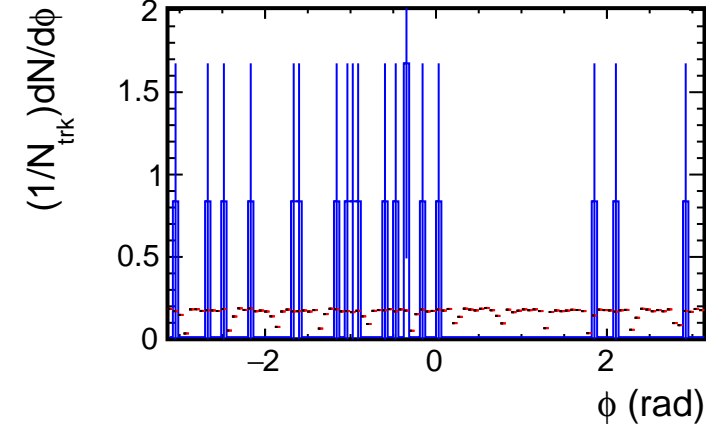
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



$p_T < 5.0$ (GeV/c)

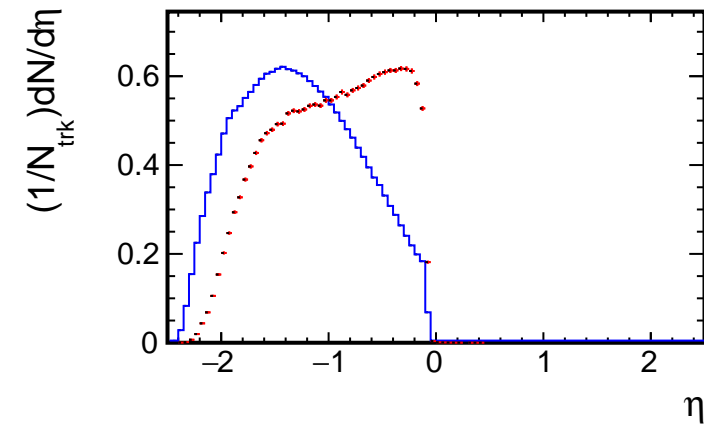


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

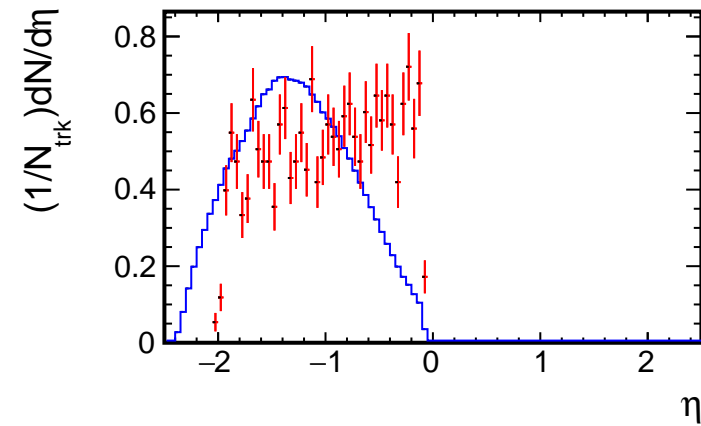
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Projection of η for each p_T bin

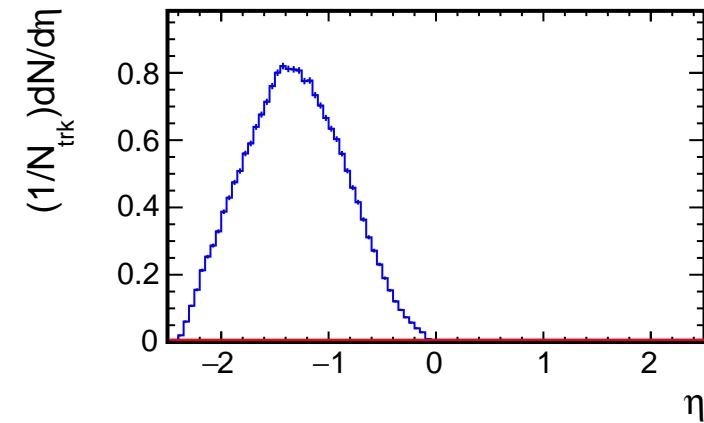
$p_T < 0.5$ (GeV/c)



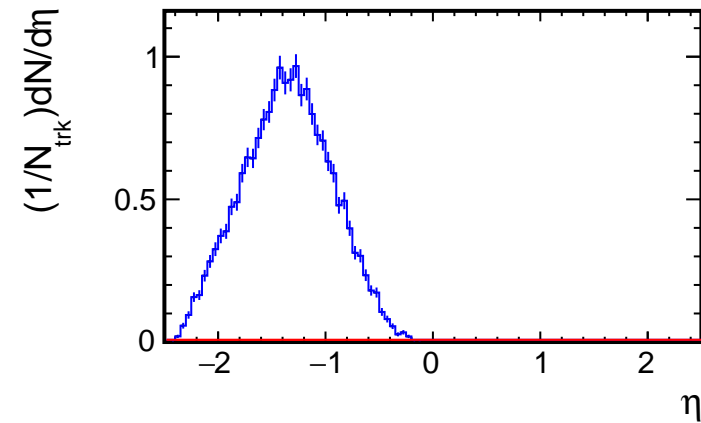
$p_T < 1.0$ (GeV/c)



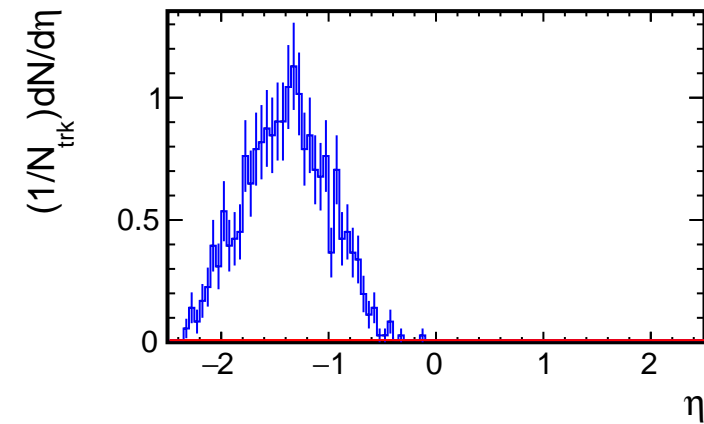
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



$p_T < 2.5$ (GeV/c)

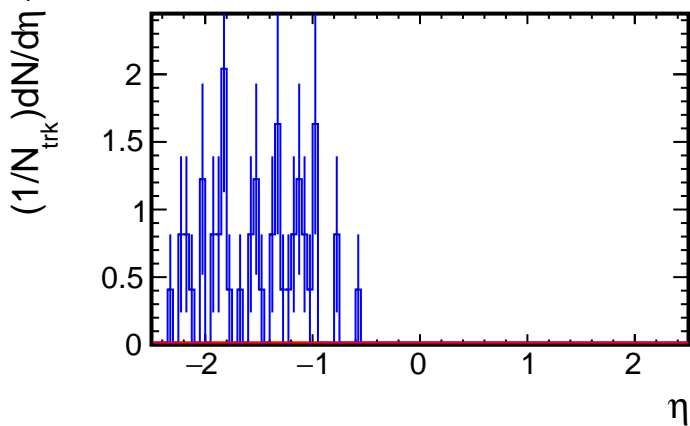


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

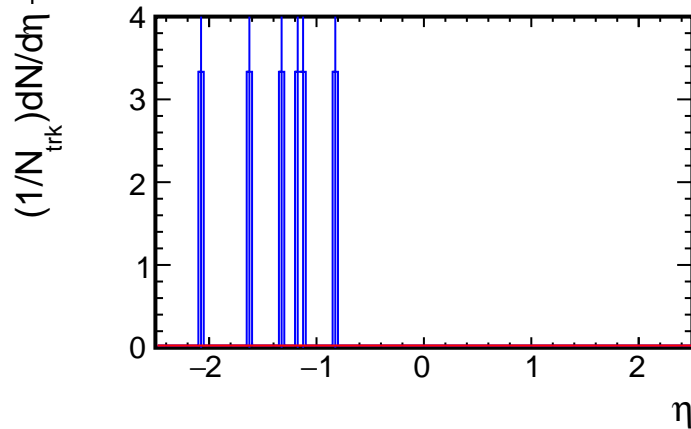
— pi-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Projection of η for each p_T bin

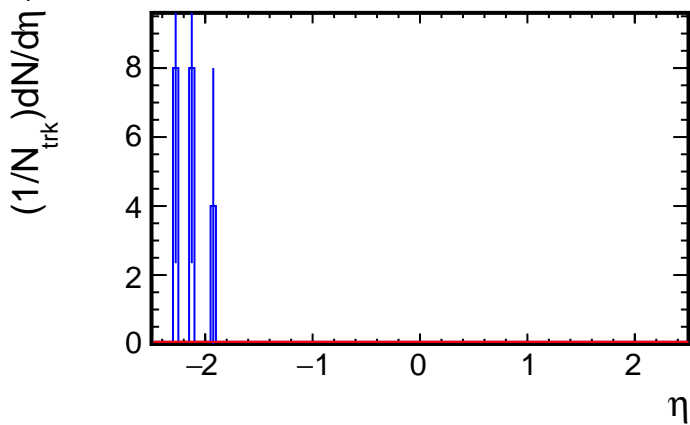
$p_T < 3.0$ (GeV/c)



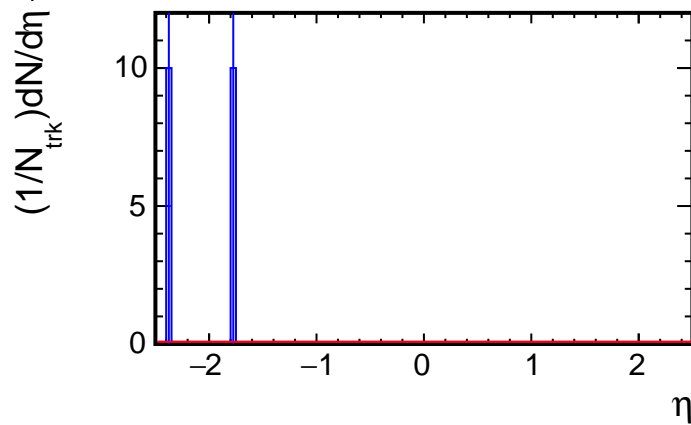
$p_T < 3.5$ (GeV/c)



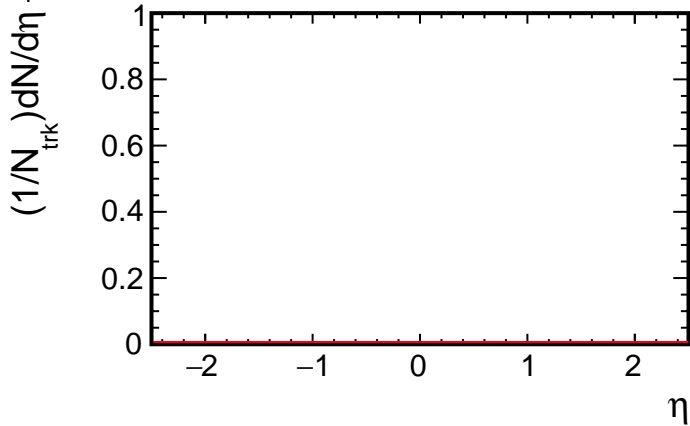
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



$p_T < 5.0$ (GeV/c)

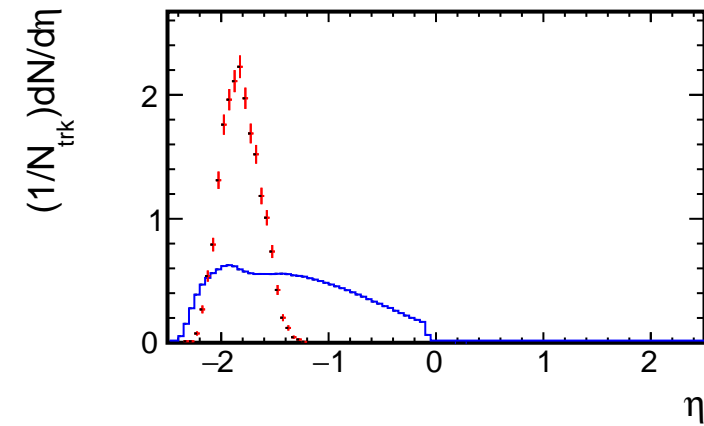


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

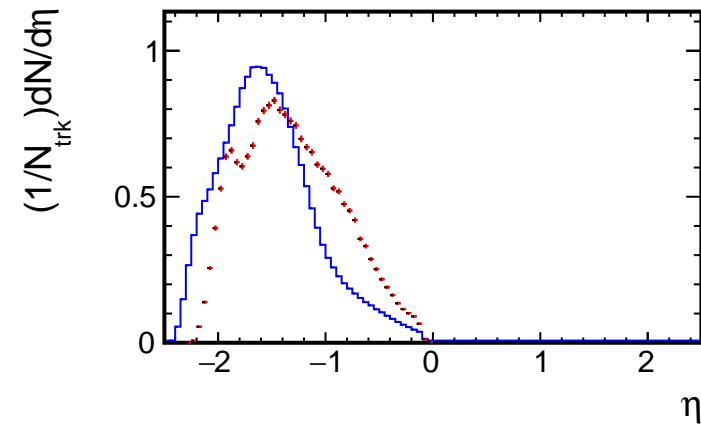
— pi-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Projection of η for each p_T bin

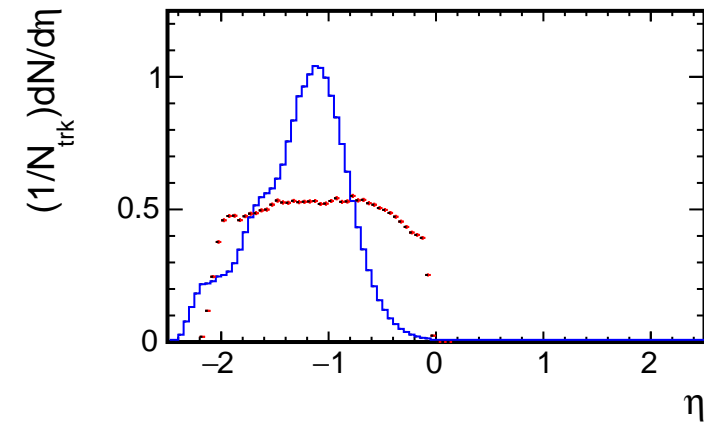
$p_T < 0.5$ (GeV/c)



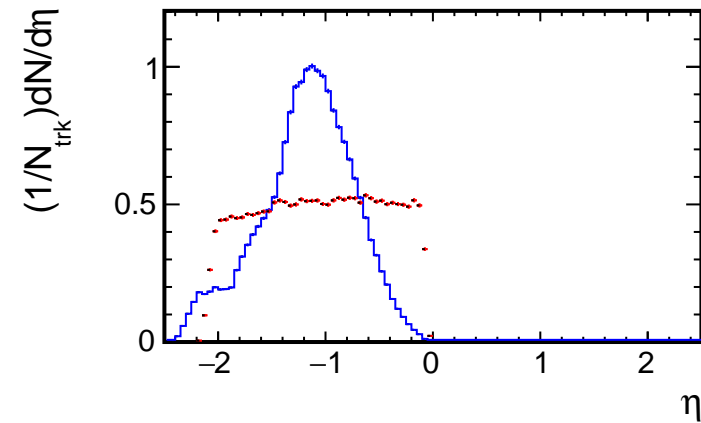
$p_T < 1.0$ (GeV/c)



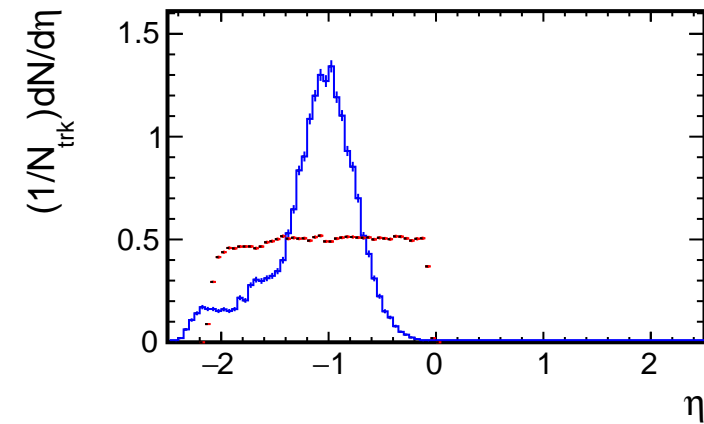
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



$p_T < 2.5$ (GeV/c)

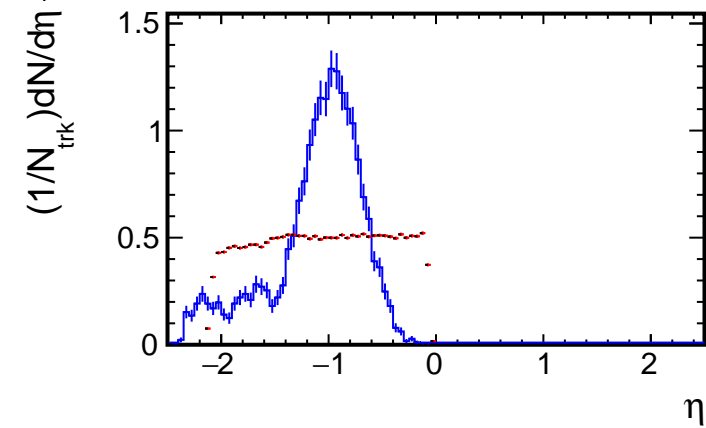


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

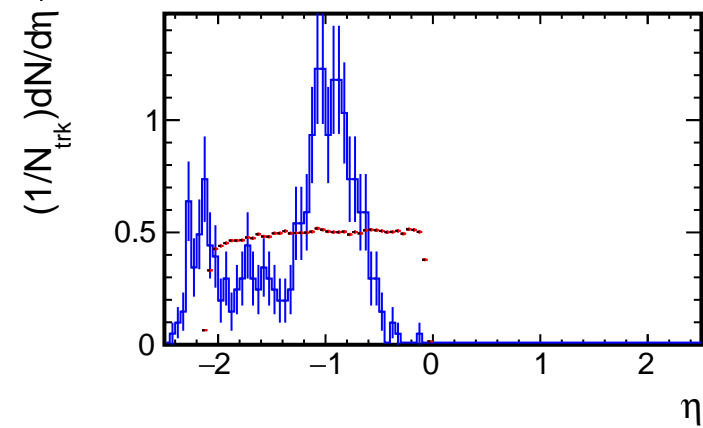
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Projection of η for each p_T bin

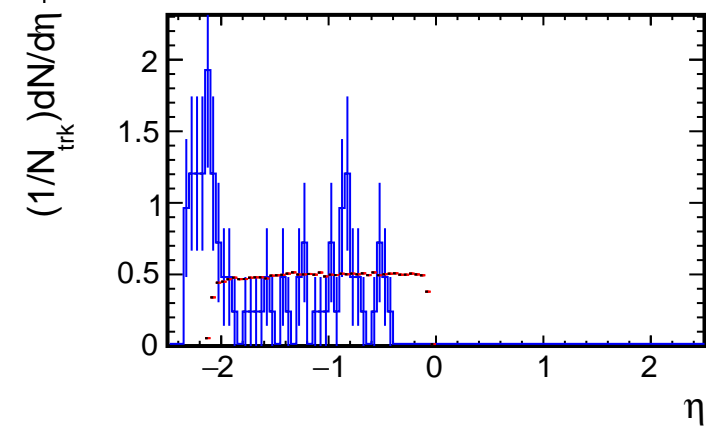
$p_T < 3.0$ (GeV/c)



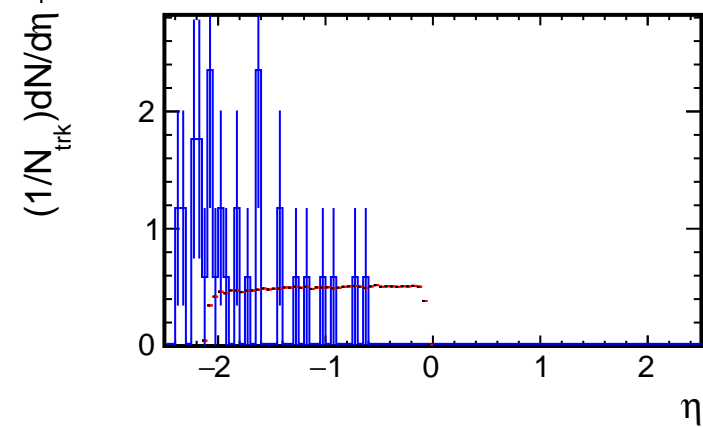
$p_T < 3.5$ (GeV/c)



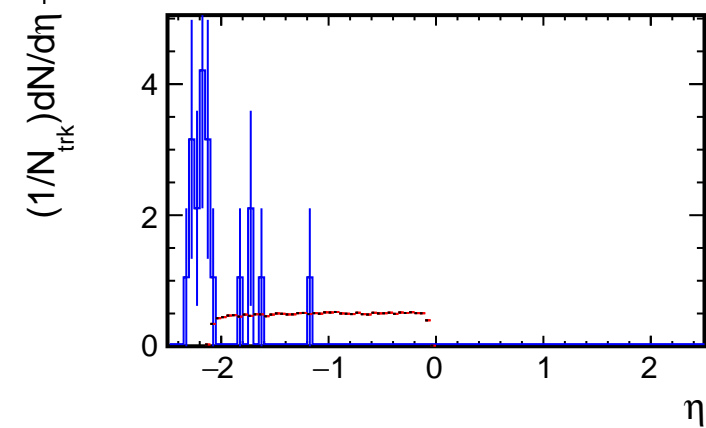
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



$p_T < 5.0$ (GeV/c)

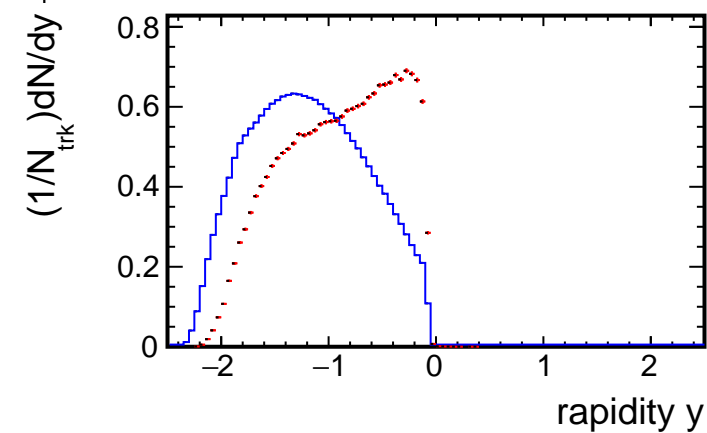


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

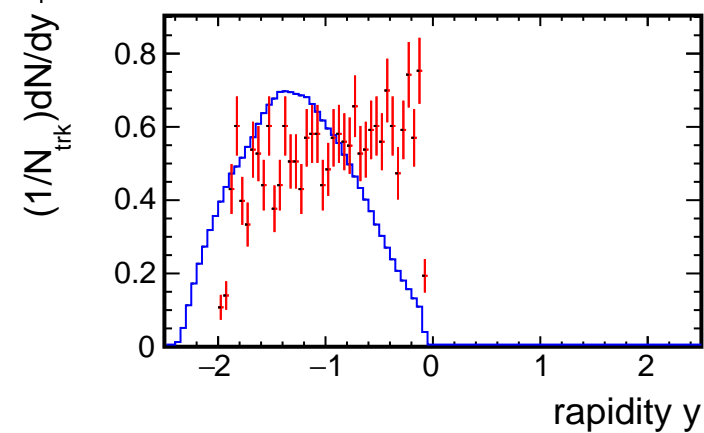
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Projection of y for each p_T bin

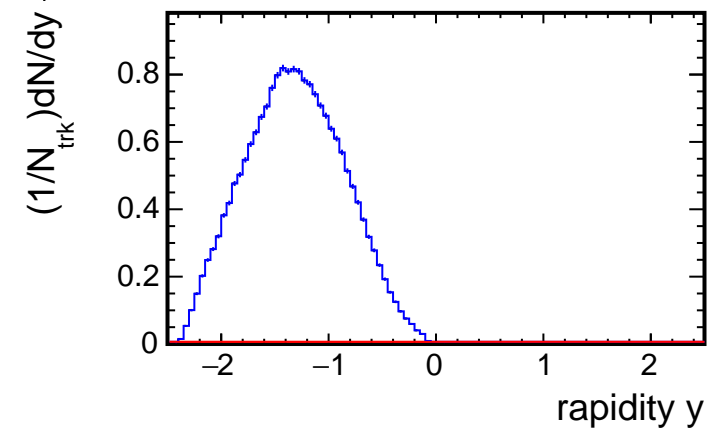
$p_T < 0.5$ (GeV/c)



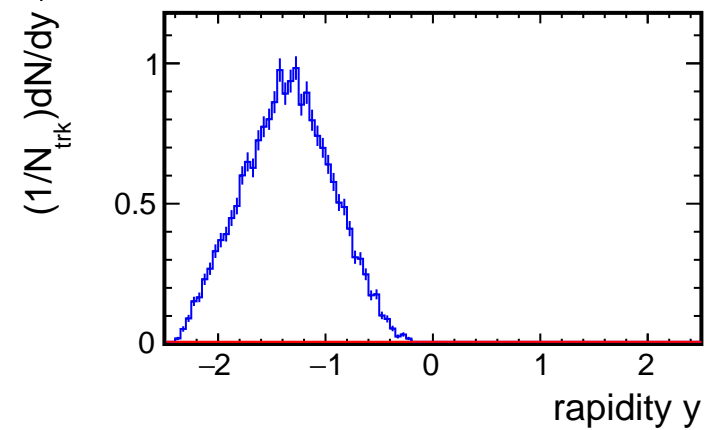
$p_T < 1.0$ (GeV/c)



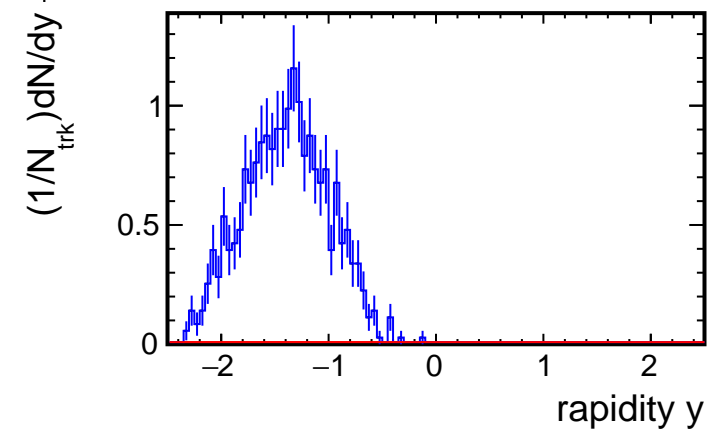
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



$p_T < 2.5$ (GeV/c)

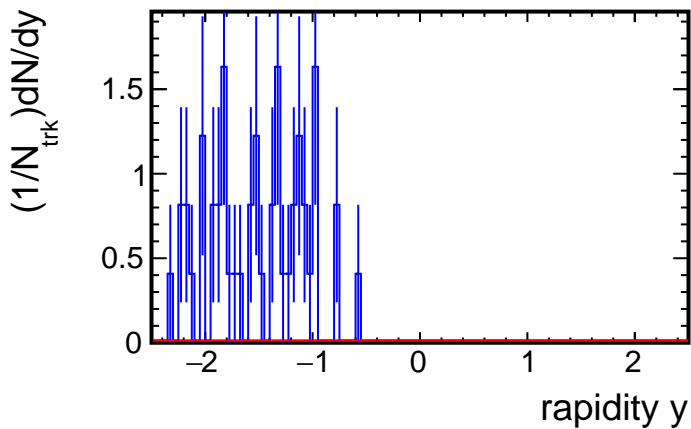


— Daughter π^- (from HyperTriton)
(CONTAM, geantid=9)

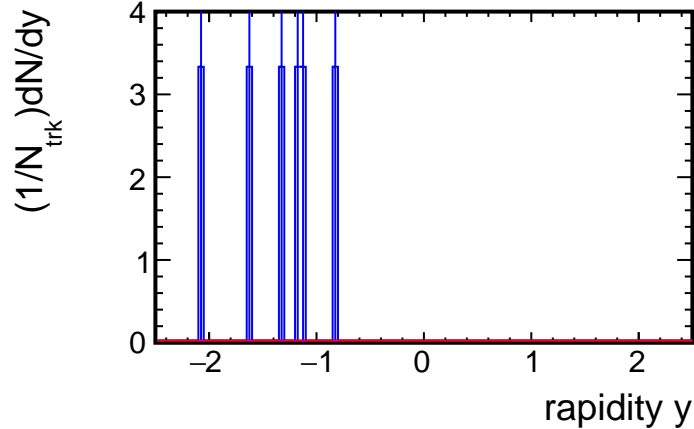
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Projection of y for each p_T bin

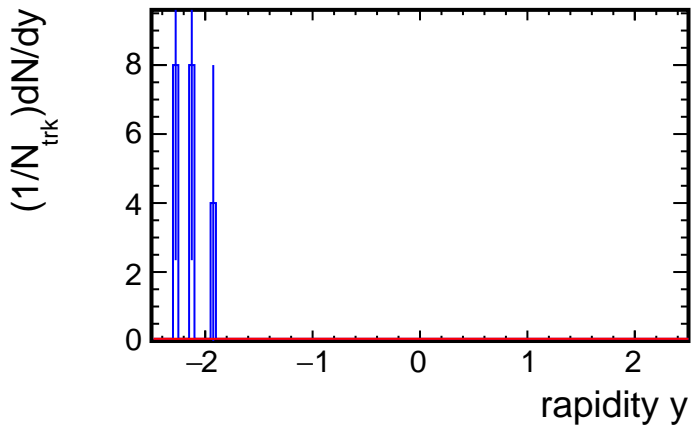
$p_T < 3.0$ (GeV/c)



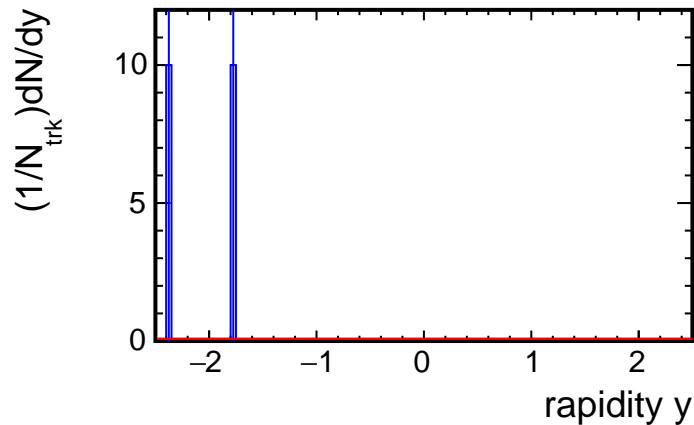
$p_T < 3.5$ (GeV/c)



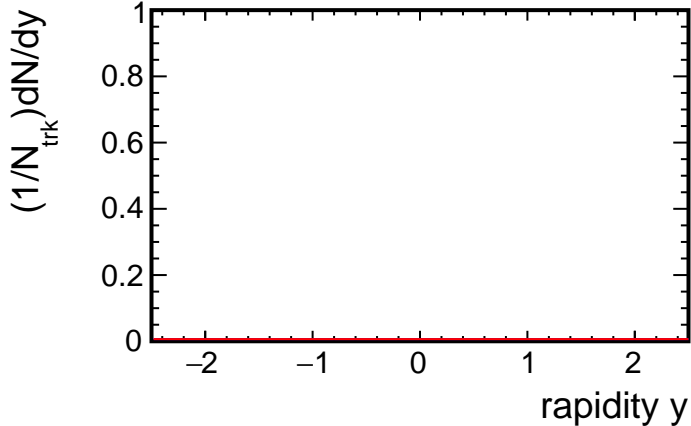
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



$p_T < 5.0$ (GeV/c)

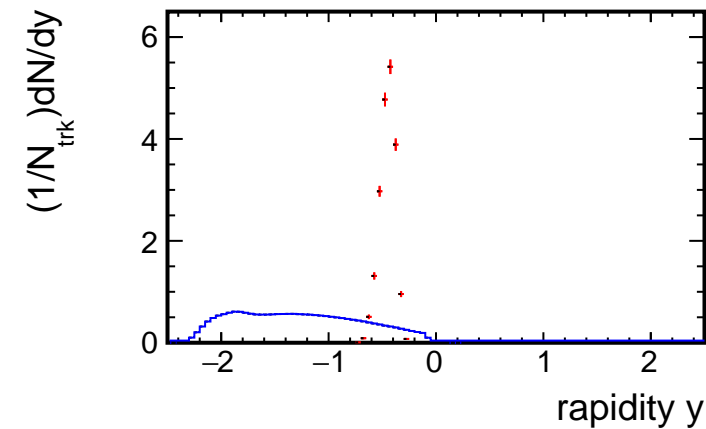


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

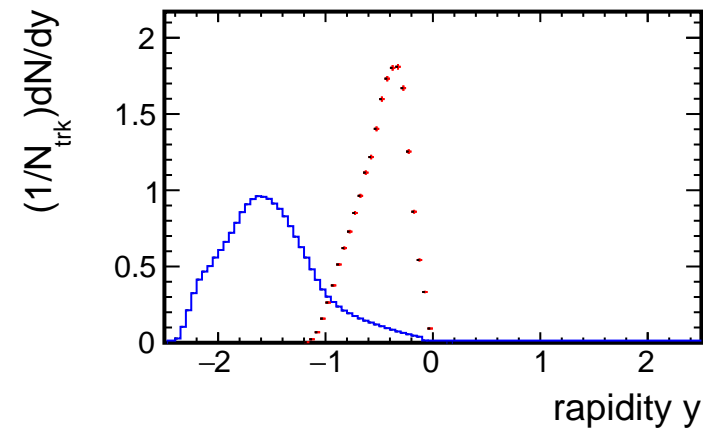
— pi-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Projection of y for each p_T bin

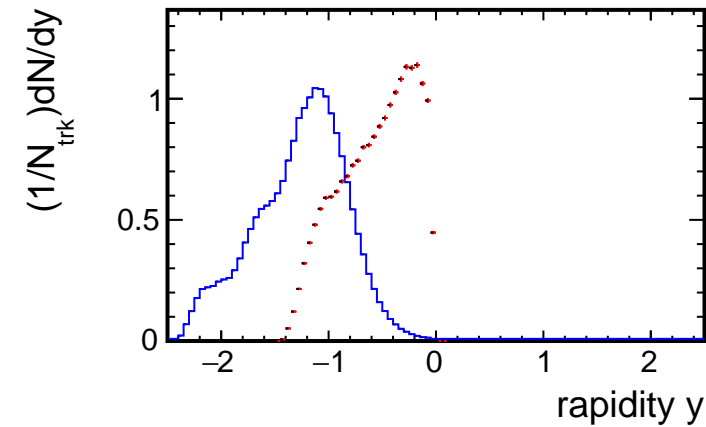
$p_T < 0.5$ (GeV/c)



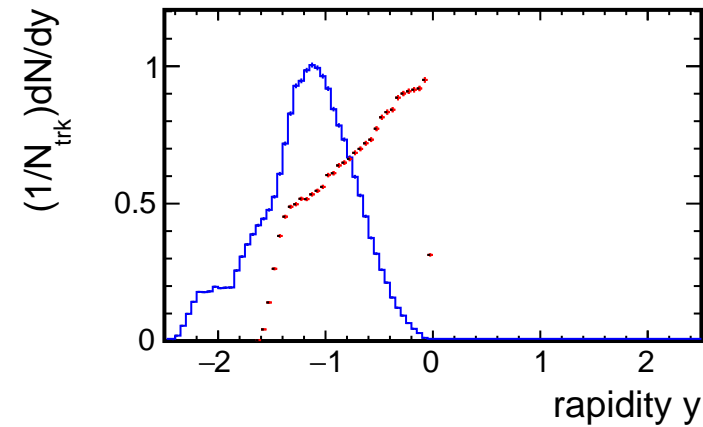
$p_T < 1.0$ (GeV/c)



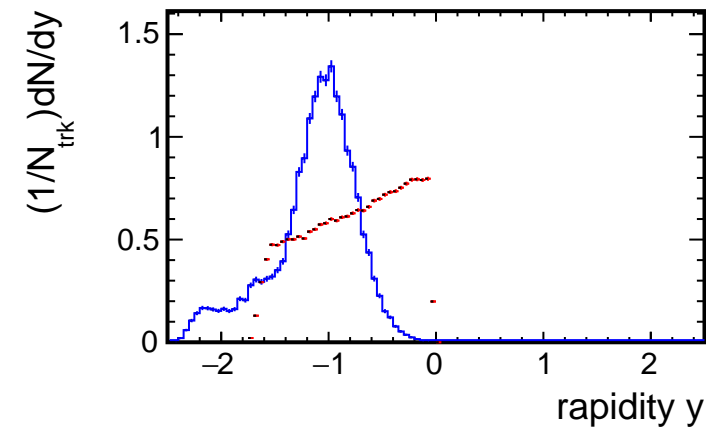
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



$p_T < 2.5$ (GeV/c)

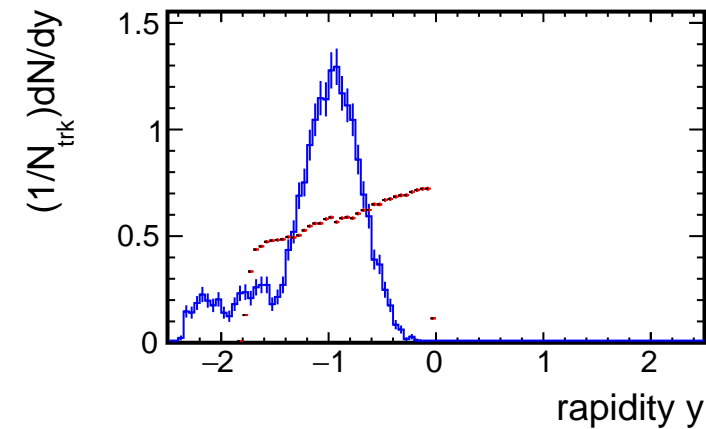


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

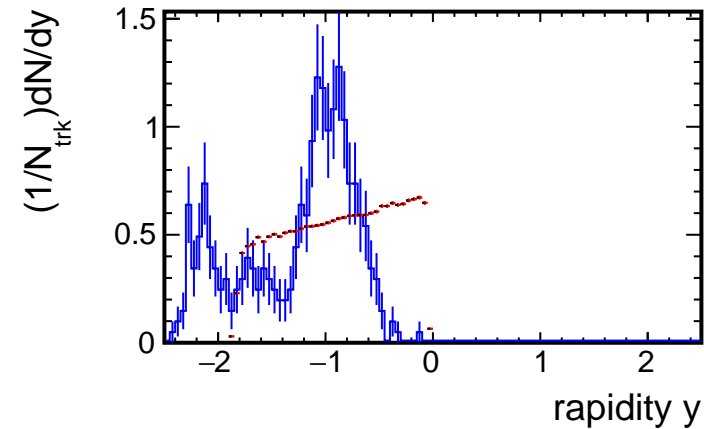
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Projection of y for each p_T bin

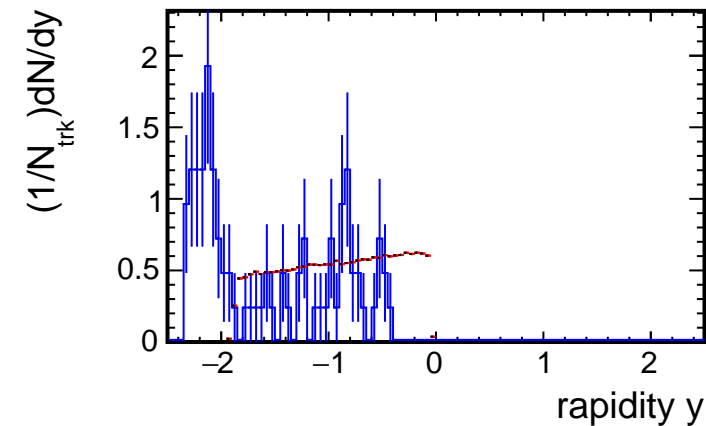
$p_T < 3.0$ (GeV/c)



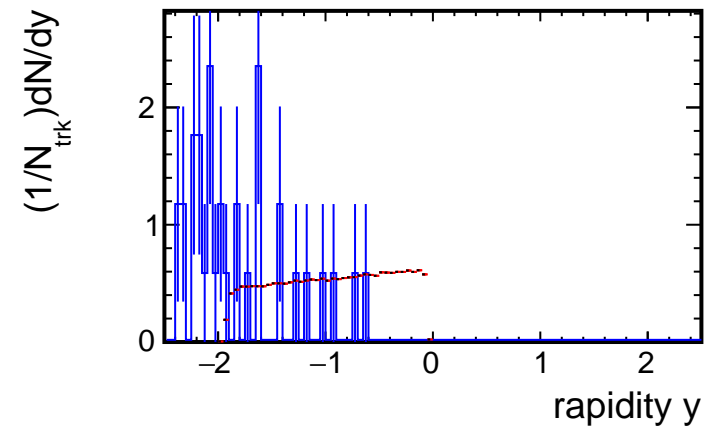
$p_T < 3.5$ (GeV/c)



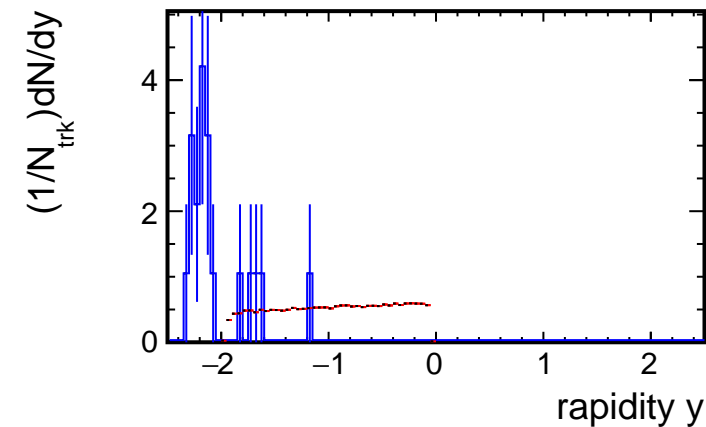
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



$p_T < 5.0$ (GeV/c)



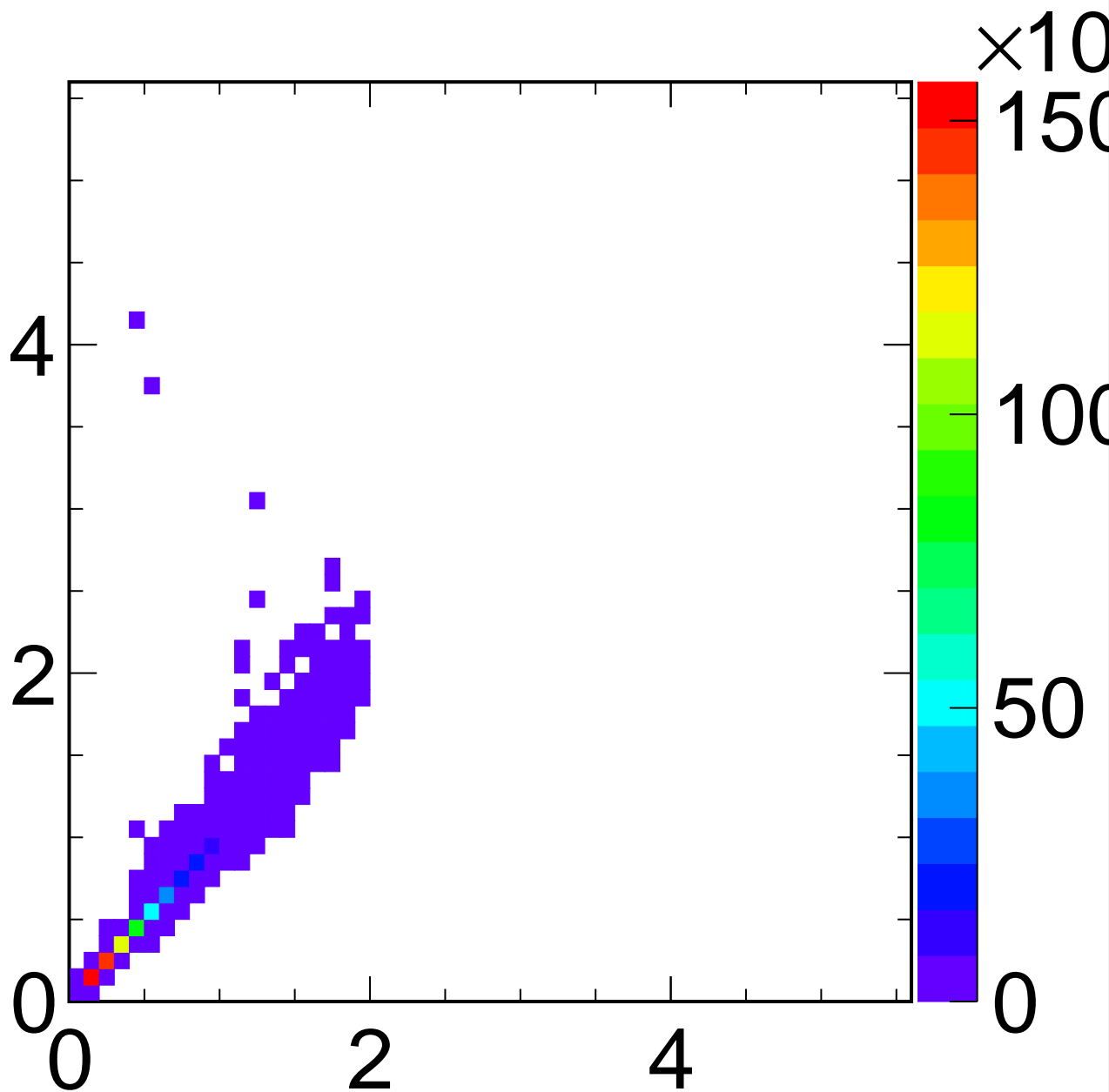
— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

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

Reconstructed momentum vs MC momentum

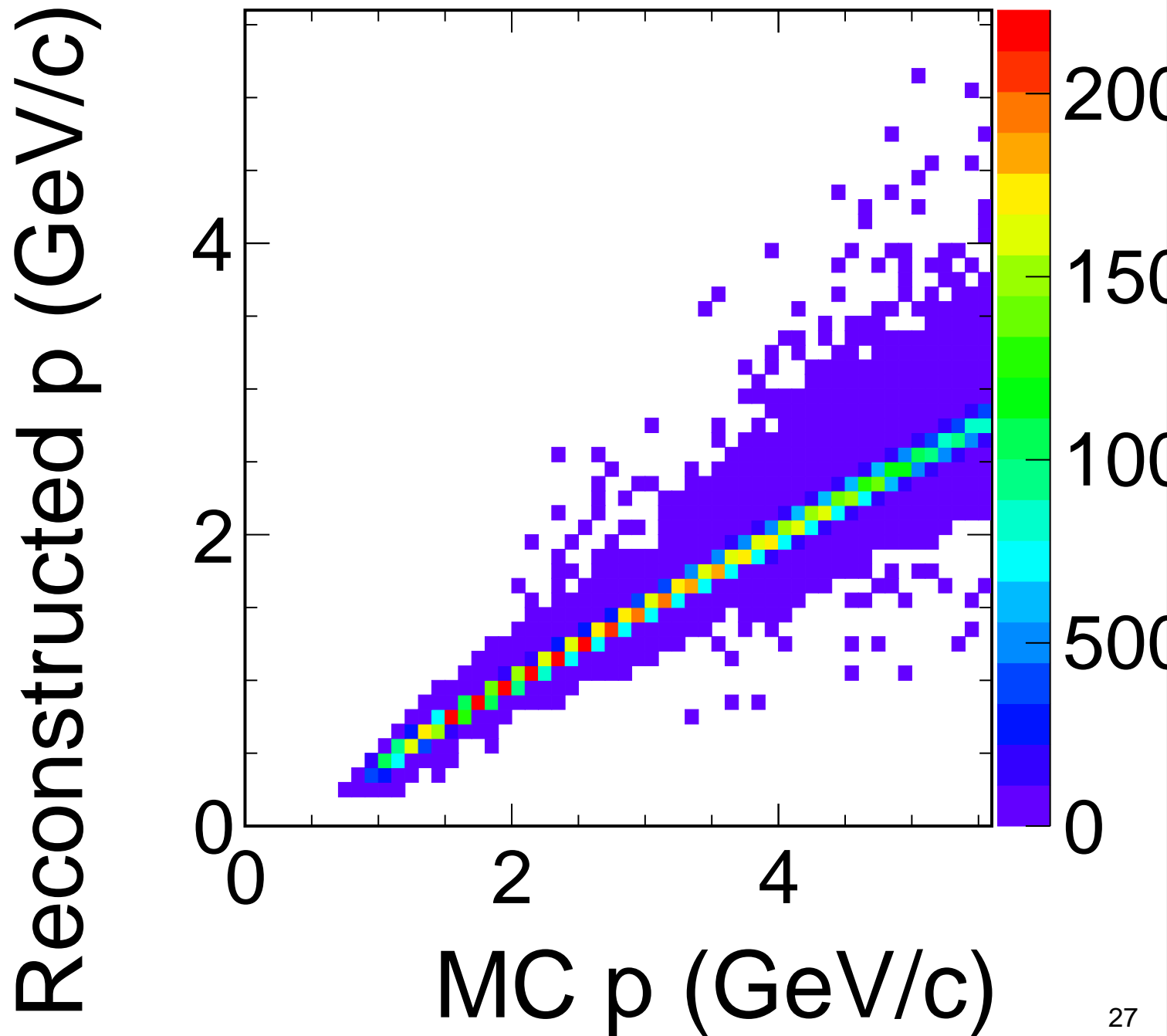
Reconstructed p (GeV/c)

pi-

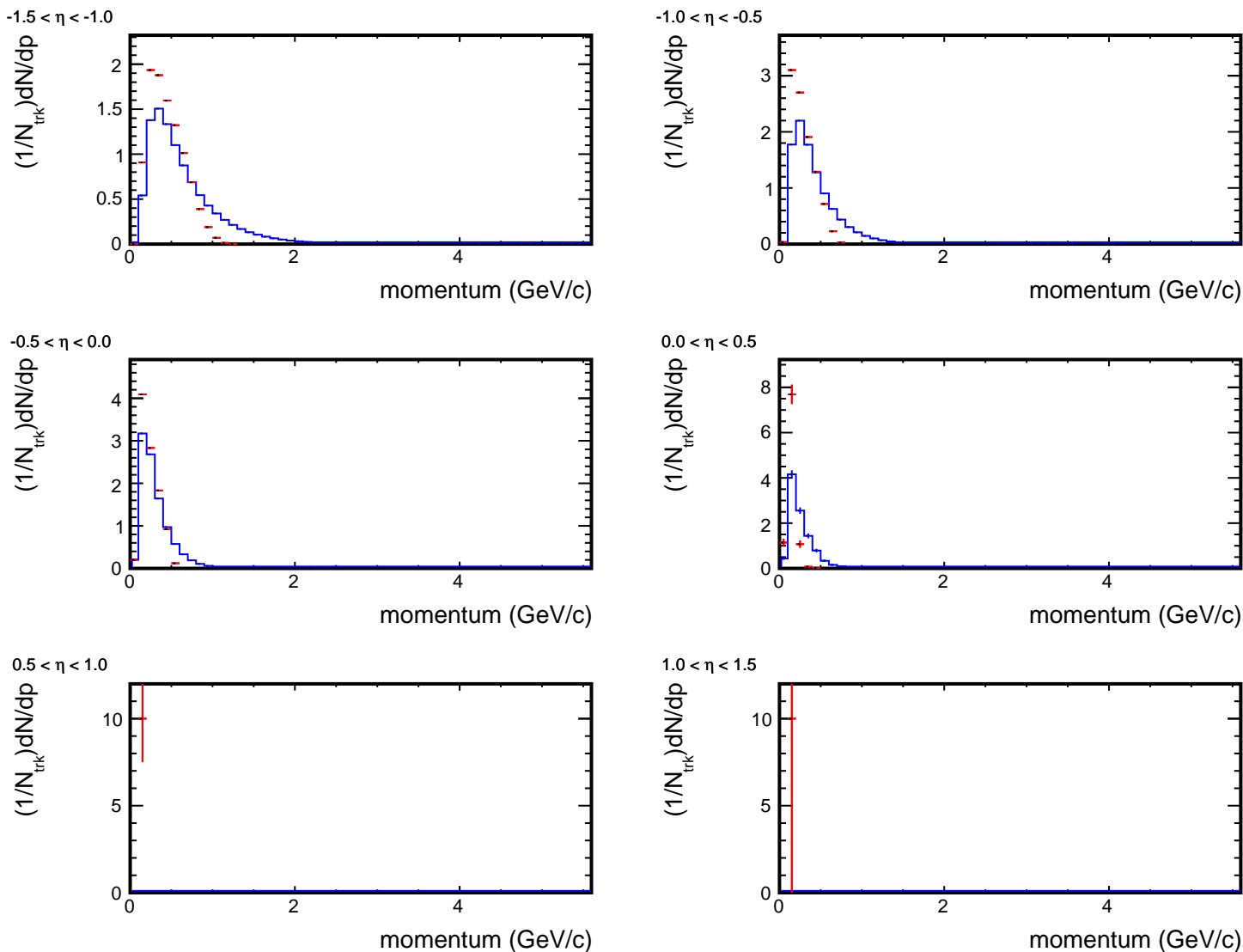


Reconstructed momentum vs MC momentum

He3



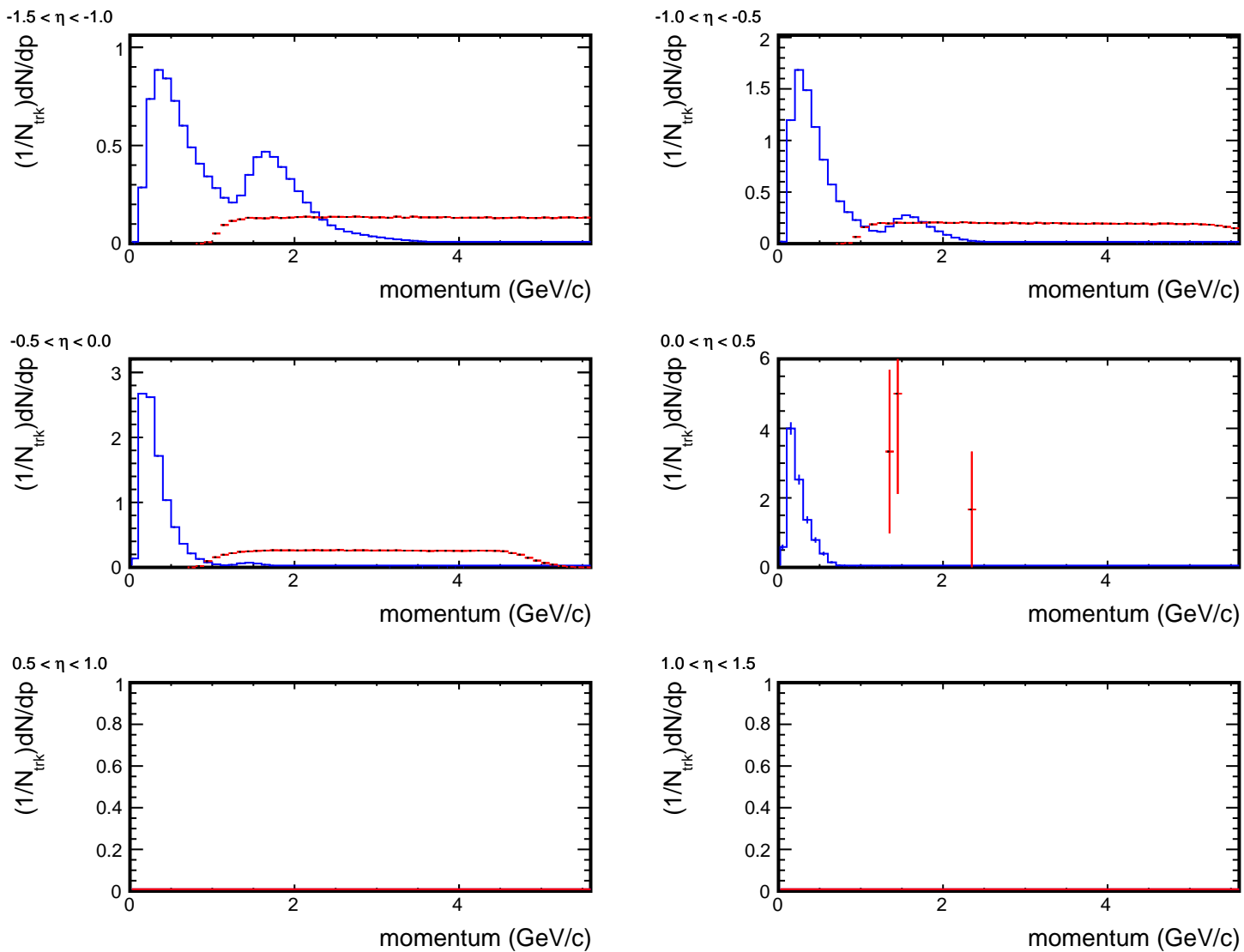
Projection of p for each η bin



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

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

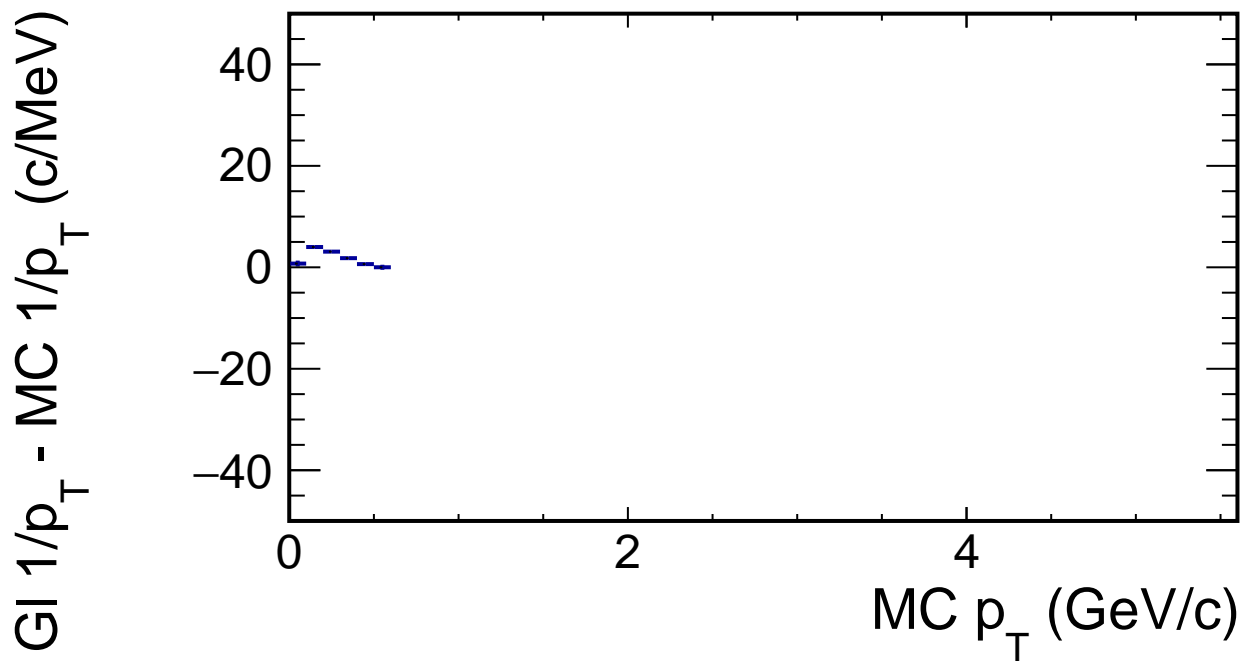
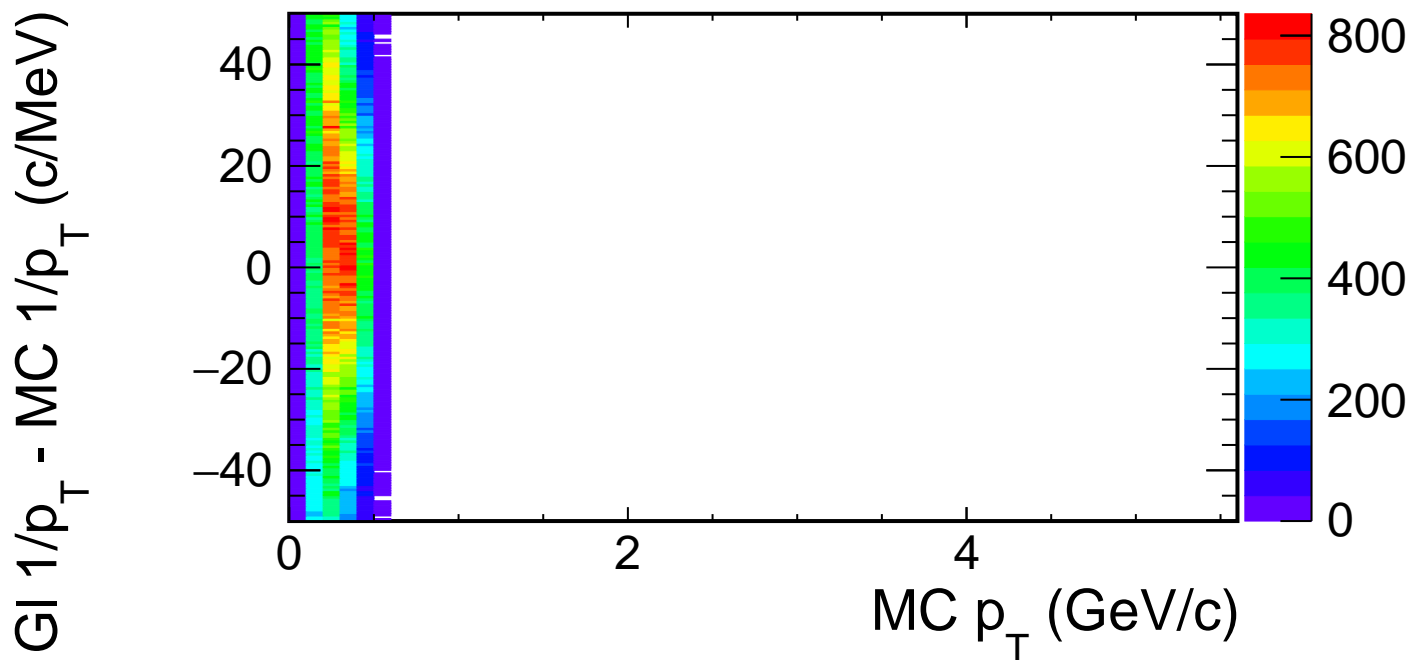
Projection of p for each η bin



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

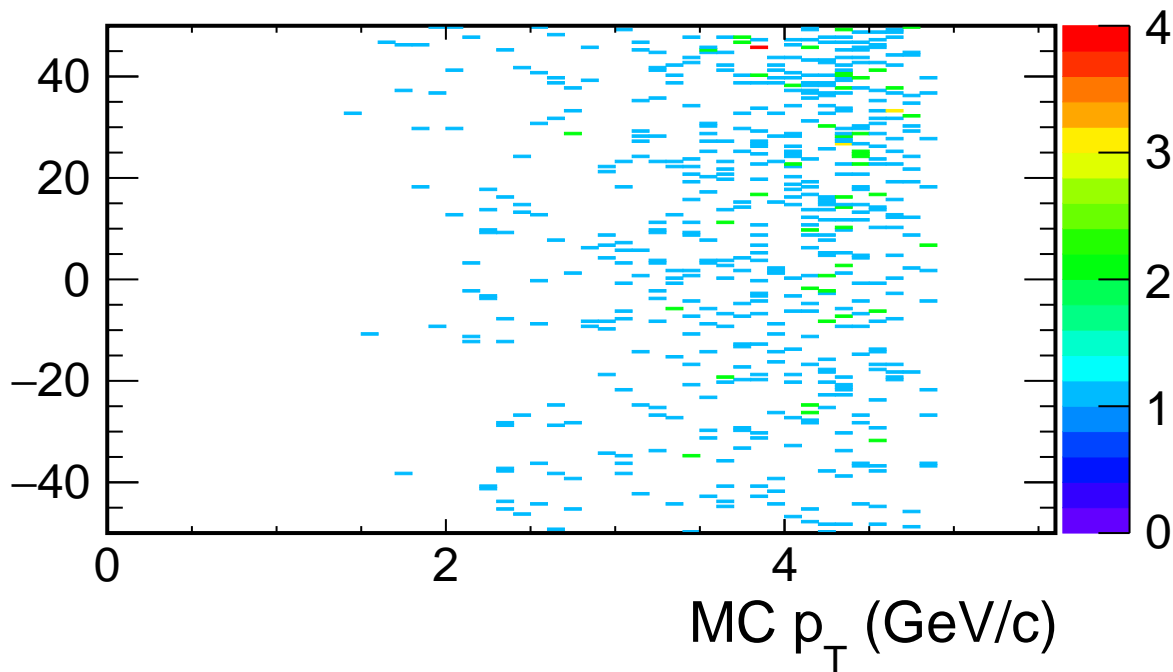
— π^+
 (PRIMARY, $|\ln \sigma_{\pi^+}| < 2$ TPC)

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

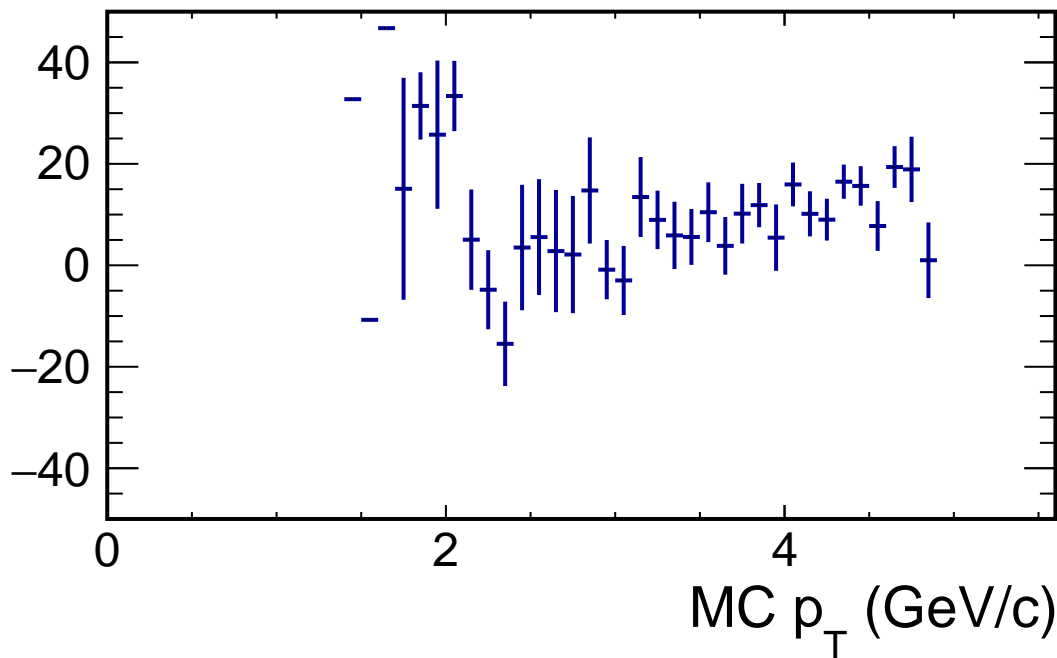


$1/p_T$ (GI) - $1/p_T$ (MC) vs p_T (MC) (He3)

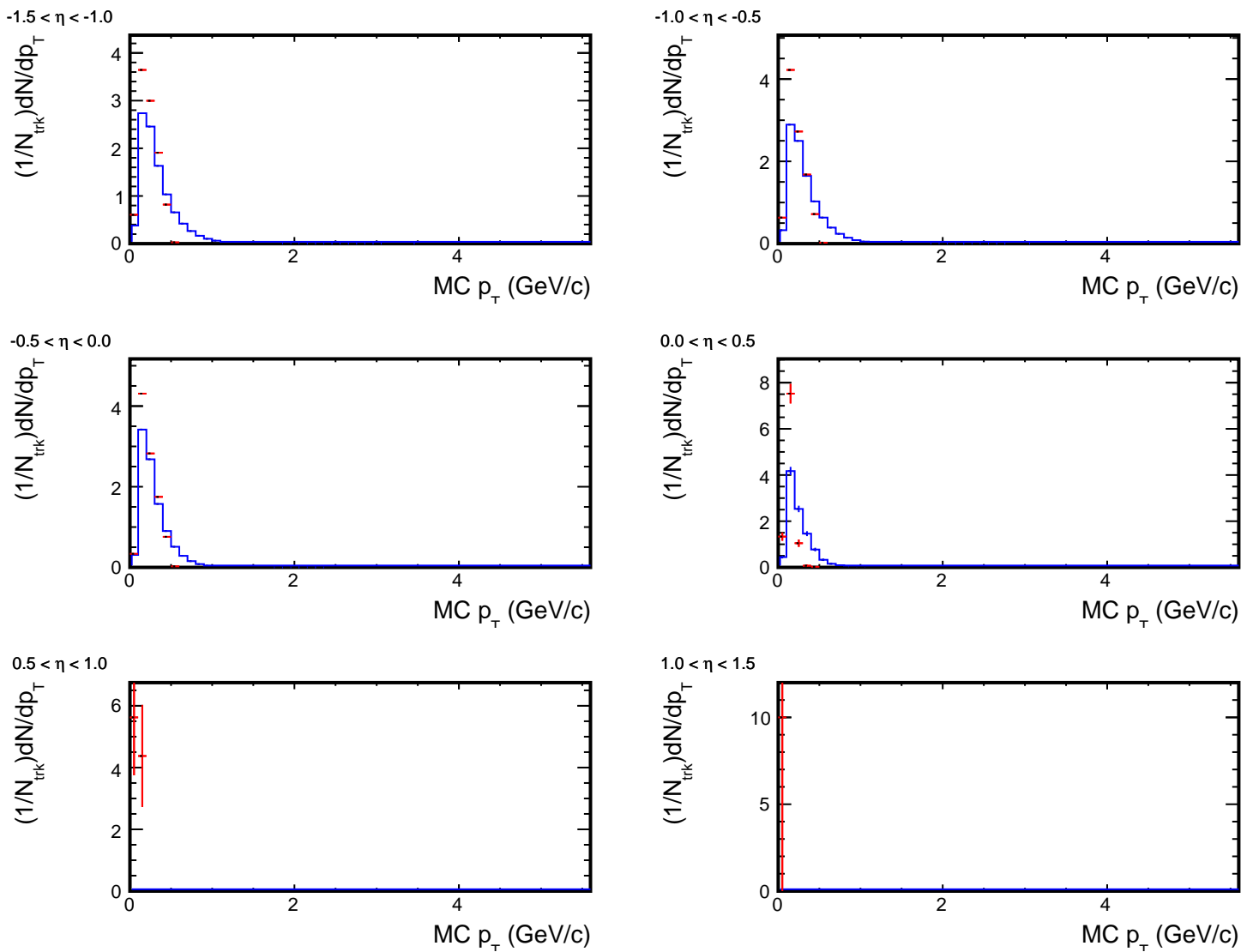
GI $1/p_T$ - MC $1/p_T$ (c/MeV)



GI $1/p_T$ - MC $1/p_T$ (c/MeV)

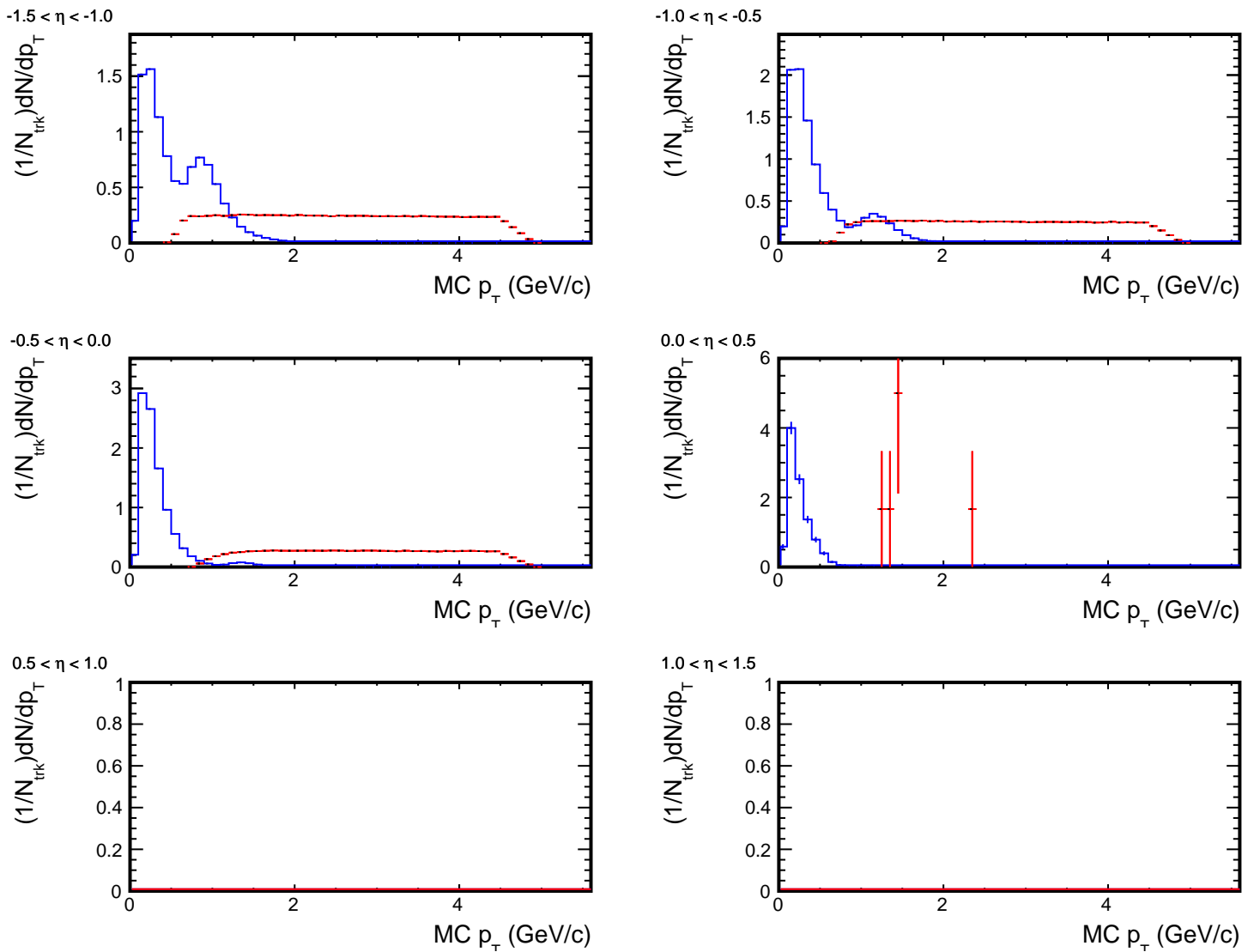


Projection of p_T for each η bin



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

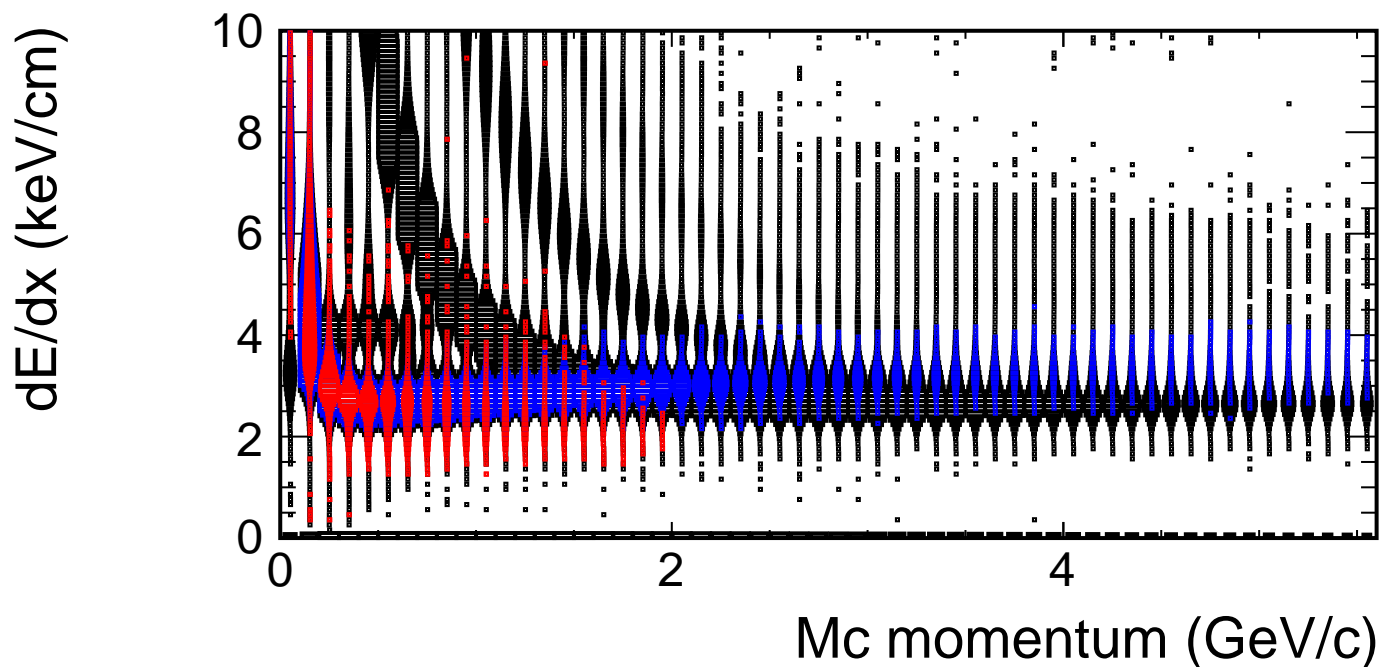
Projection of p_T for each η bin



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

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

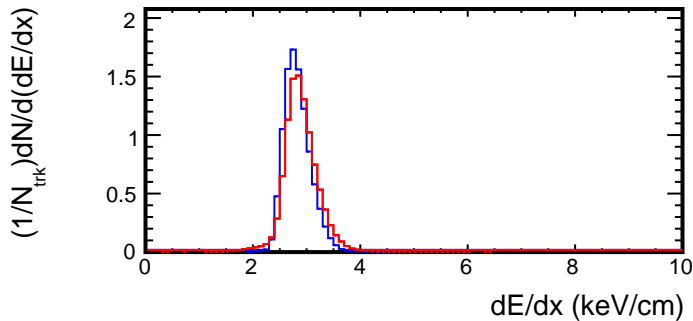
dE/dx vs momentum (Embedding:pi-, Real:pi-)



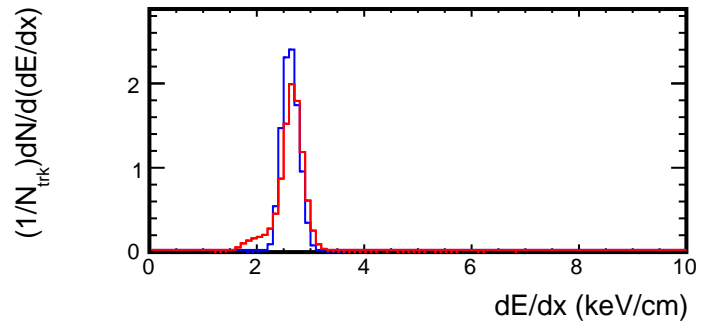
- Daughter pi- (from HyperTriton) (CONTAM, geantid=9)
- Real data
- Real data with PID cut ($\sigma < 2$) TPC

Projection of dE/dx for each p bin

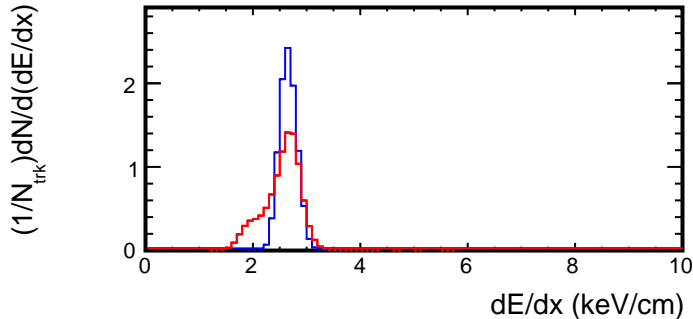
< Mc p < 0.4 GeV/c



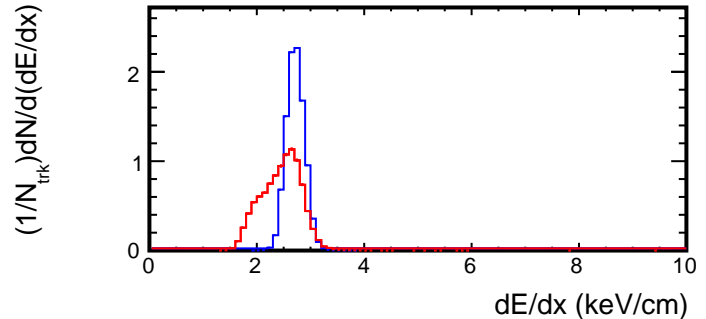
< Mc p < 0.6 GeV/c



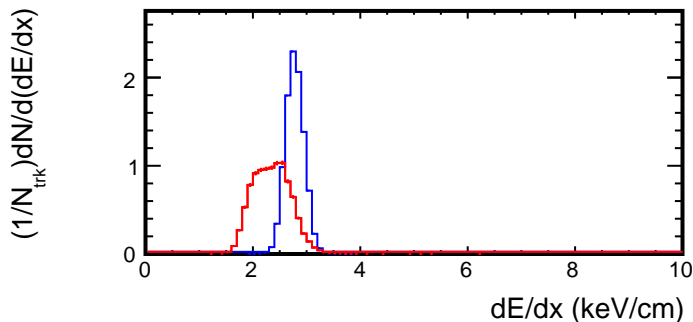
< Mc p < 0.8 GeV/c



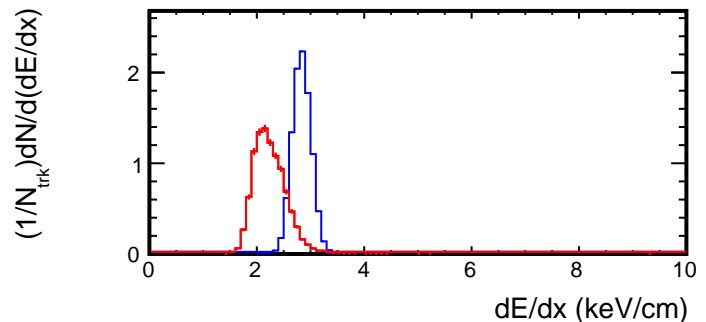
< Mc p < 1.0 GeV/c



< Mc p < 1.2 GeV/c



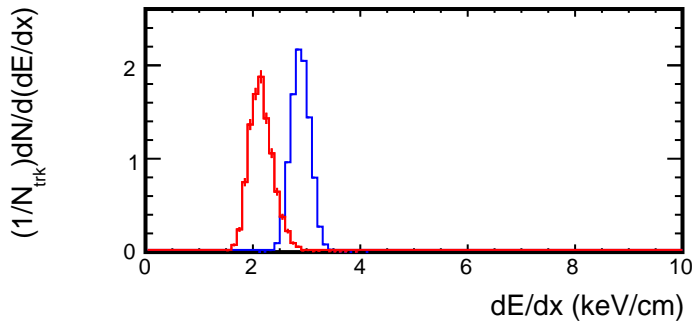
< Mc p < 1.4 GeV/c



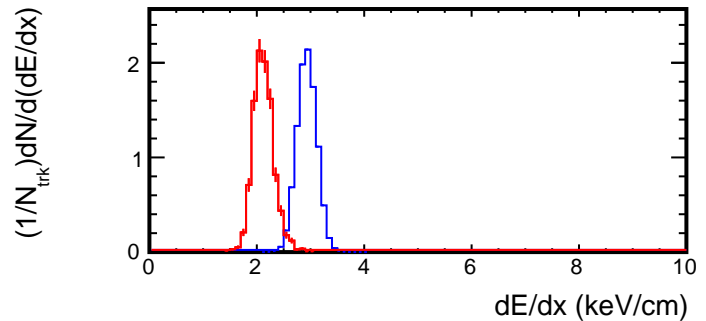
— Daughter pi- (from HyperTriton)
 (CONTAM, geantid=9)
— pi-
 (PRIMARY, $|\ln \sigma_{\text{pi-}}| < 2$ TPC)

Projection of dE/dx for each p bin

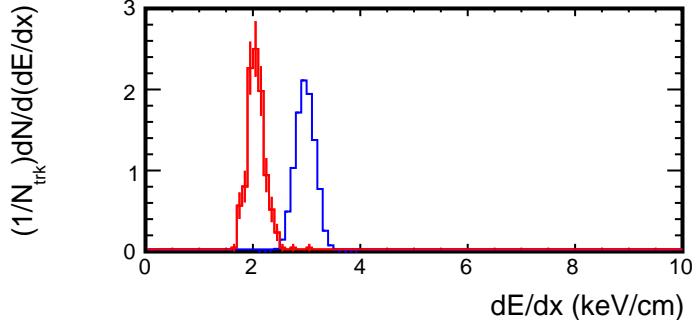
< Mc p < 1.6 GeV/c



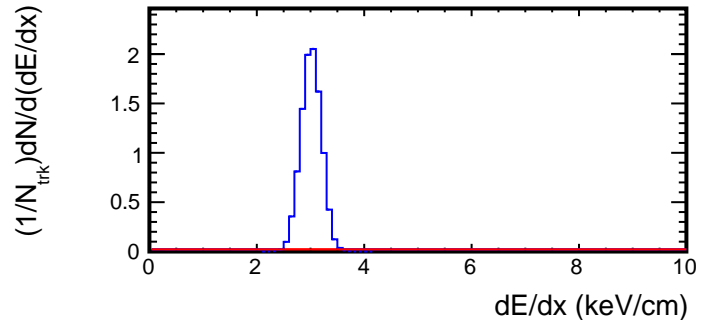
< Mc p < 1.8 GeV/c



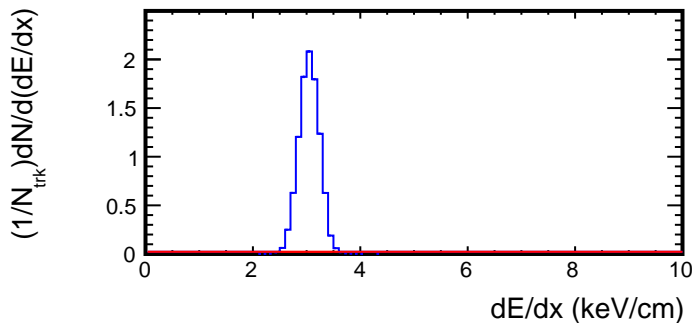
< Mc p < 2.0 GeV/c



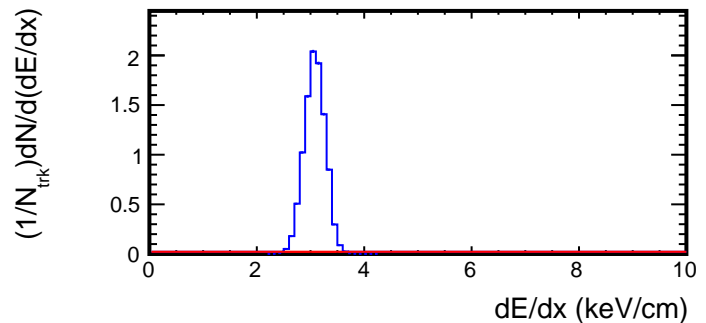
< Mc p < 2.2 GeV/c



< Mc p < 2.4 GeV/c



< Mc p < 2.6 GeV/c

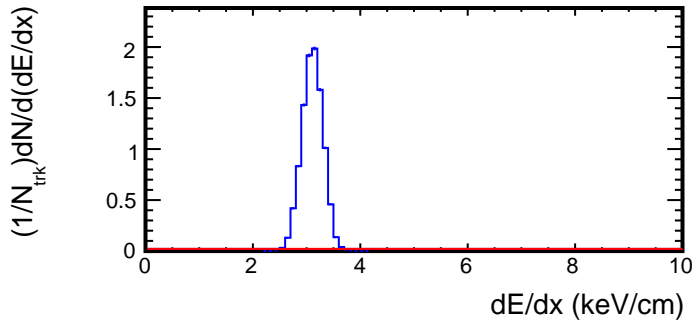


— Daughter pi- (from HyperTriton)
 (CONTAM, geantid=9)

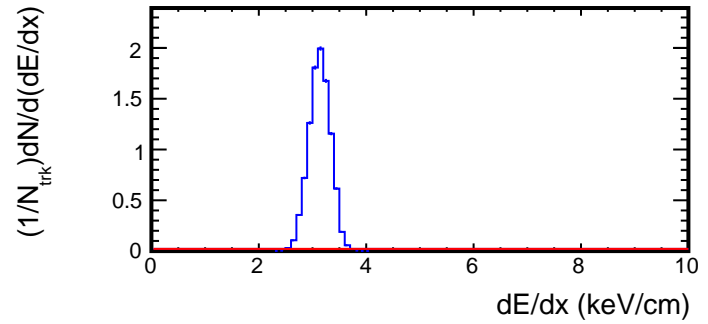
— pi-
 (PRIMARY, $|\ln \sigma_{\text{pi-}}| < 2$ TPC)

Projection of dE/dx for each p bin

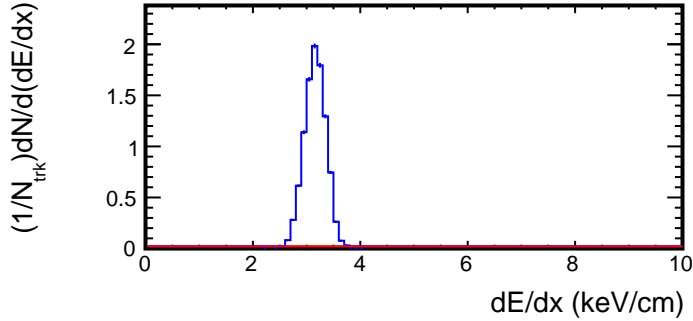
< Mc p < 2.8 GeV/c



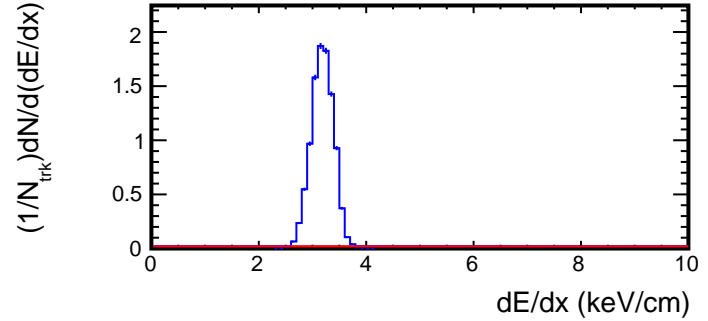
< Mc p < 3.0 GeV/c



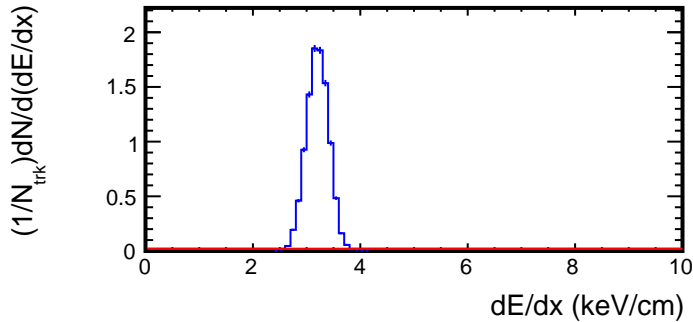
< Mc p < 3.2 GeV/c



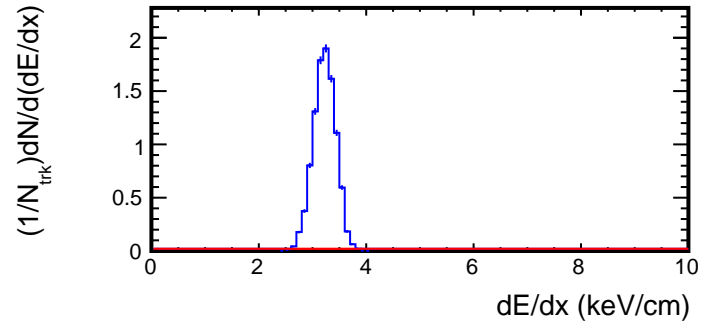
< Mc p < 3.4 GeV/c



< Mc p < 3.6 GeV/c



< Mc p < 3.8 GeV/c

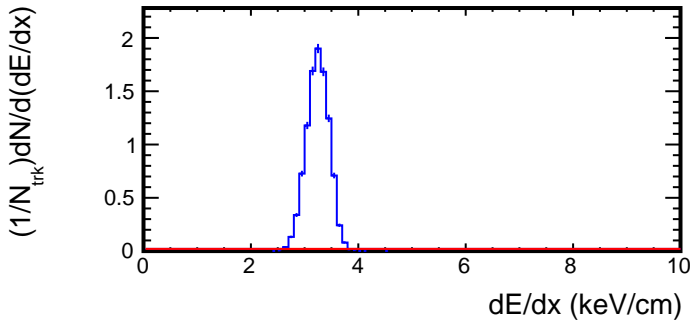


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

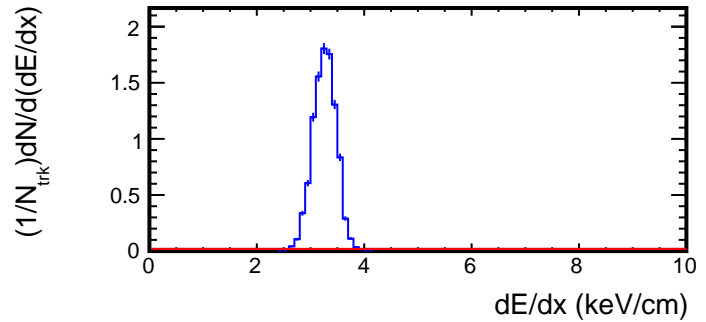
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi-}}| < 2$ TPC)

Projection of dE/dx for each p bin

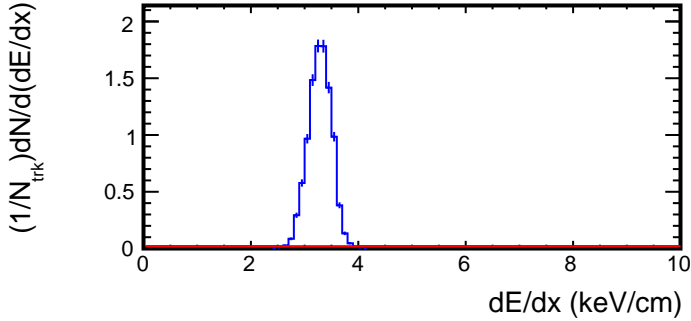
< Mc p < 4.0 GeV/c



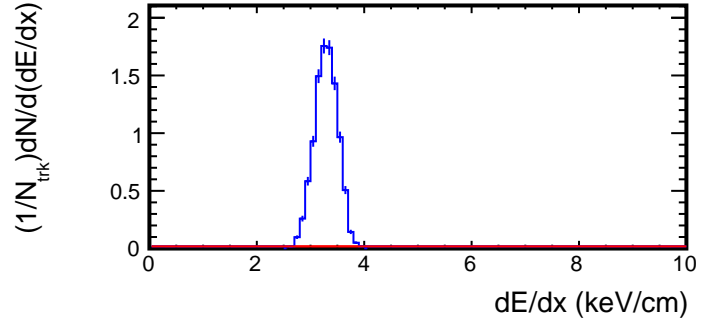
< Mc p < 4.2 GeV/c



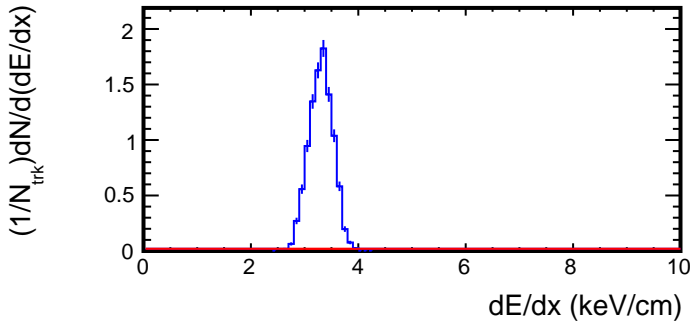
< Mc p < 4.4 GeV/c



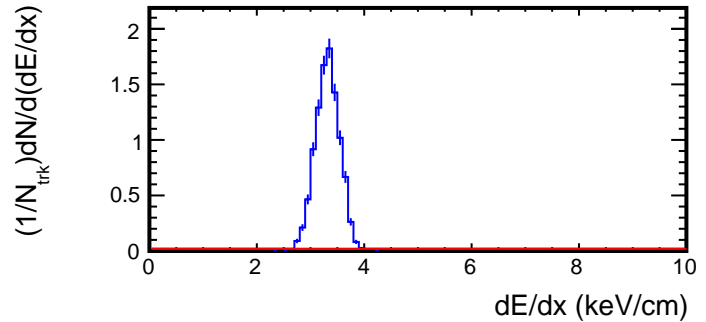
< Mc p < 4.6 GeV/c



< Mc p < 4.8 GeV/c



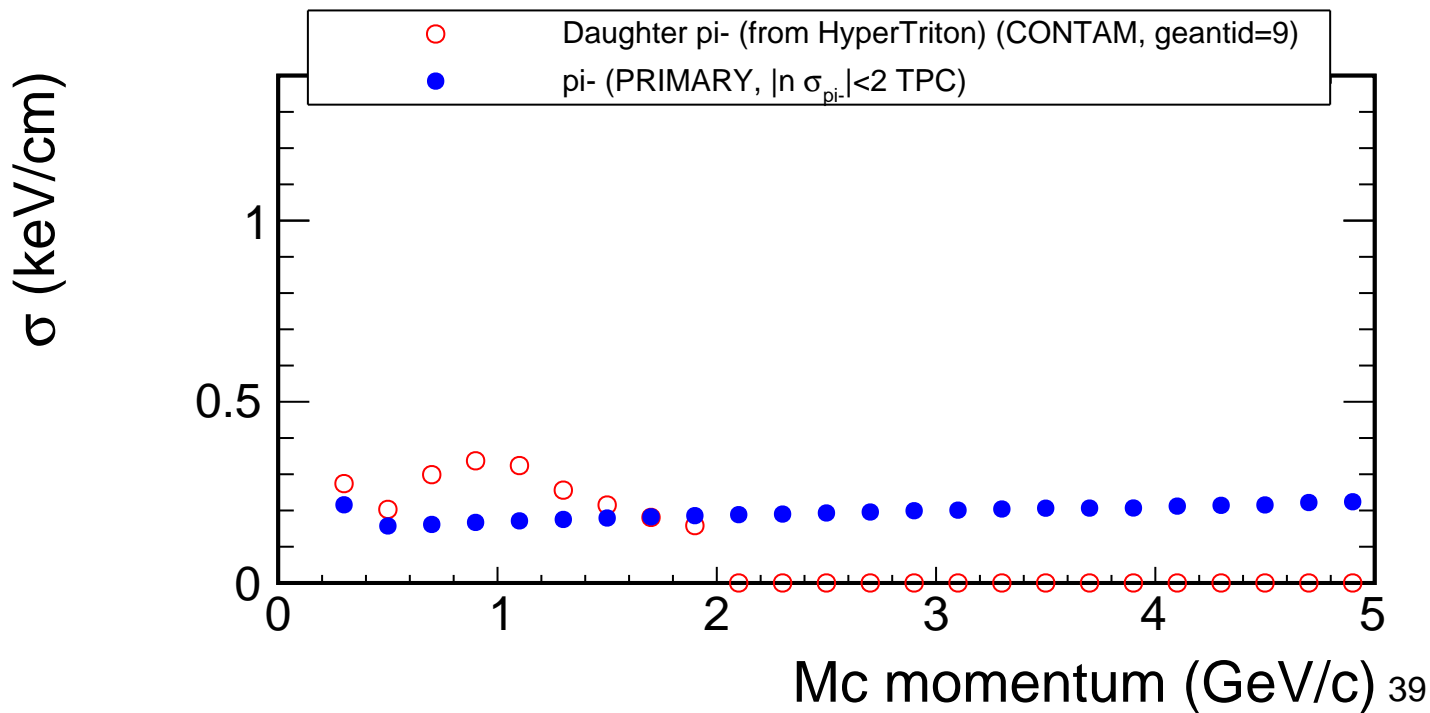
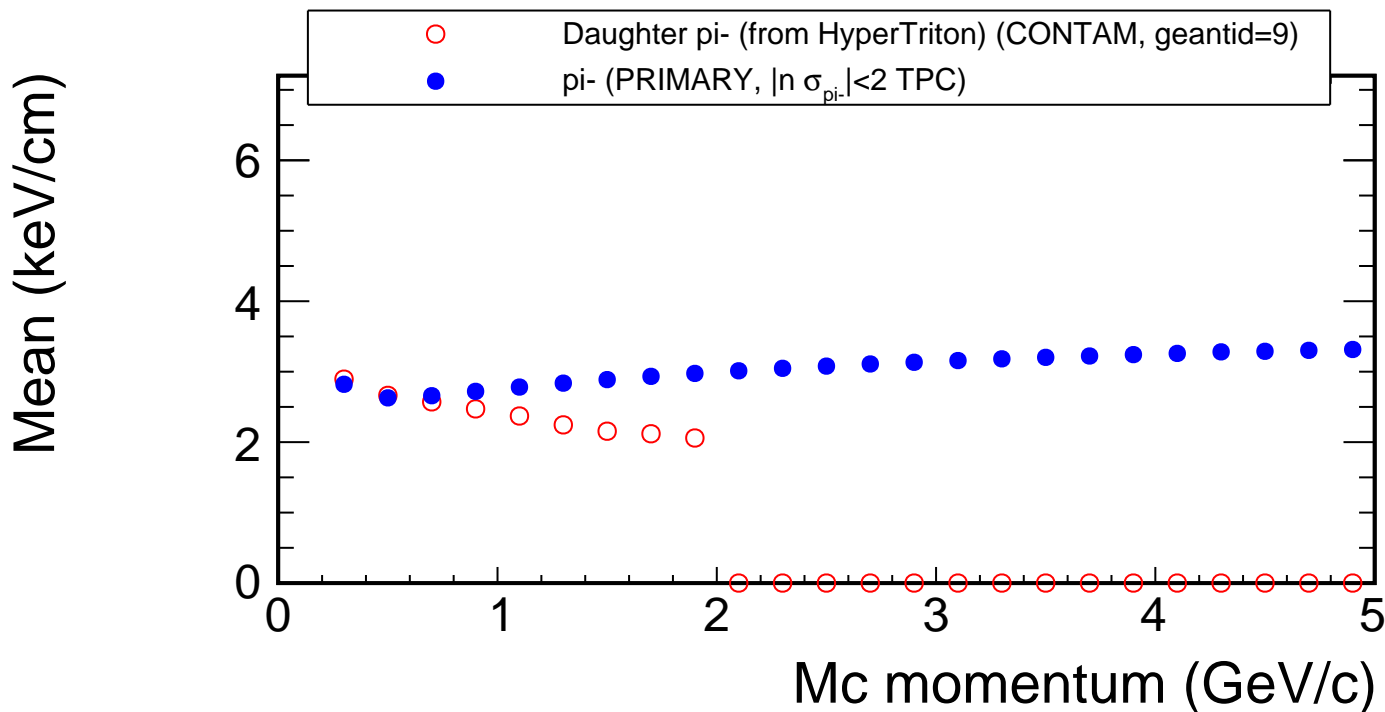
< Mc p < 5.0 GeV/c



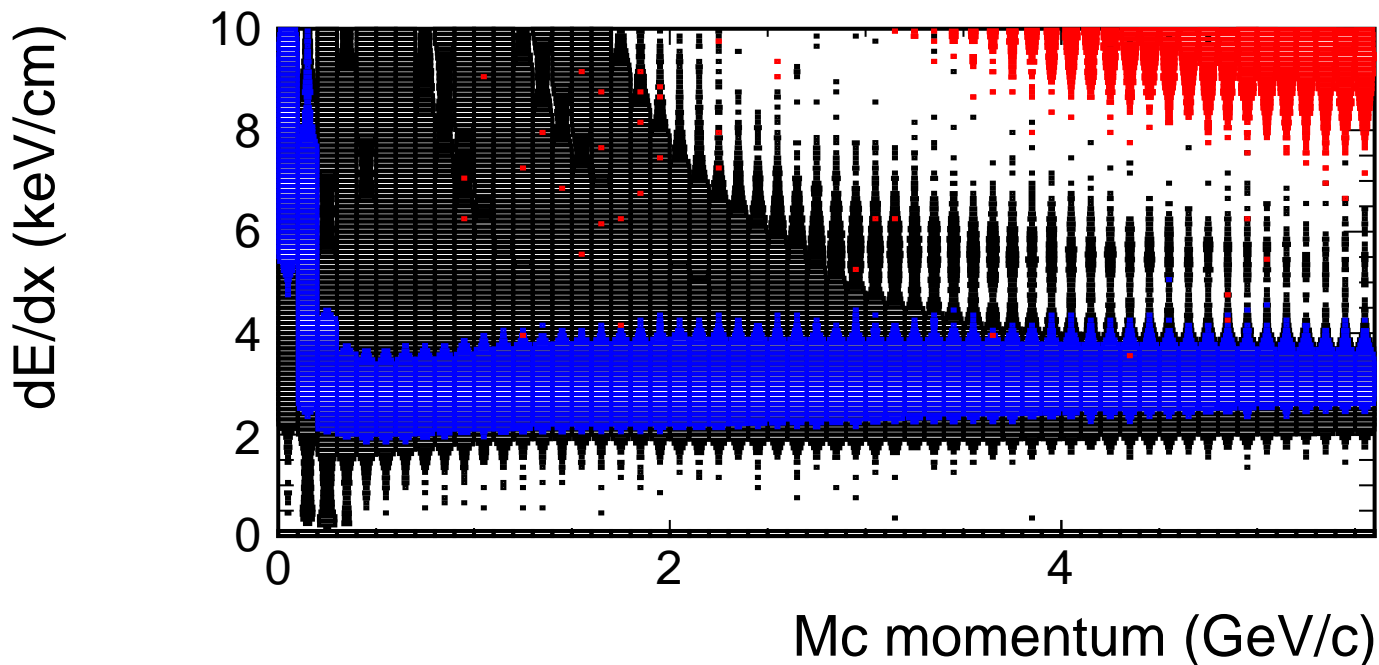
— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

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

Mean/ σ of dE/dx vs momentum



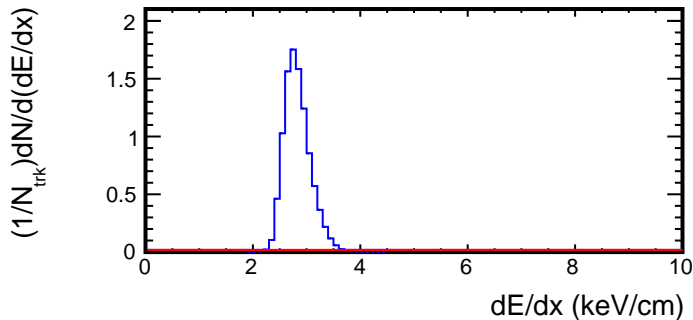
dE/dx vs momentum (Embedding:He3, Real:He3)



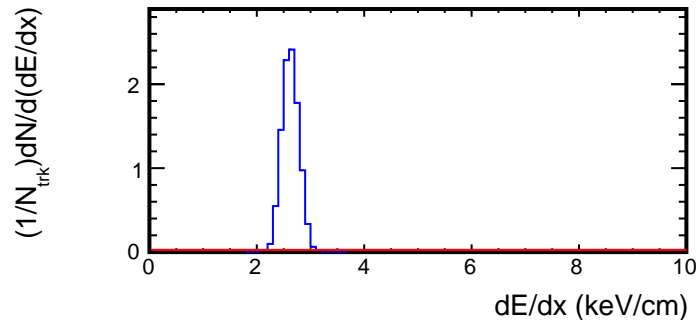
- Daughter He3 (from HyperTriton) (CONTAM, geantid=49)
- Real data
- Real data with PID cut ($\sigma < 2$) TPC

Projection of dE/dx for each p bin

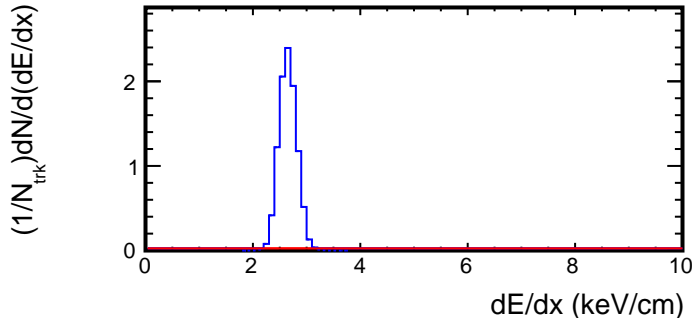
< Mc p < 0.4 GeV/c



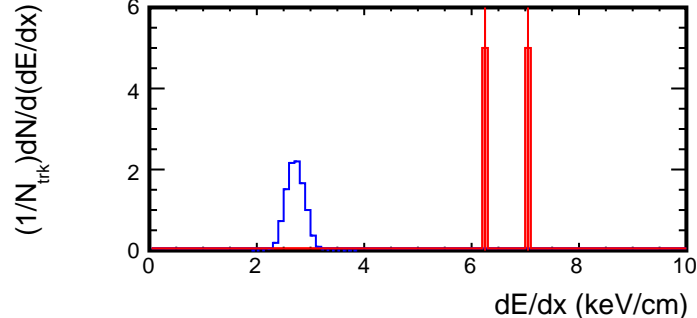
< Mc p < 0.6 GeV/c



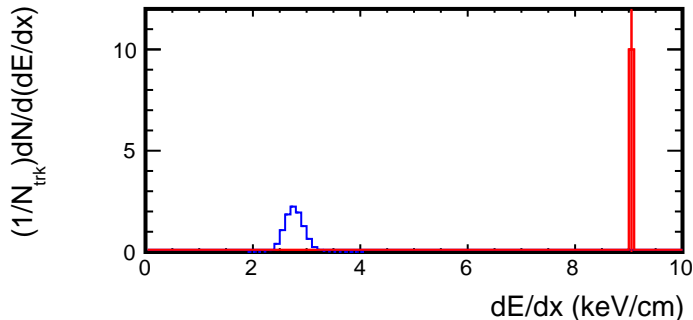
< Mc p < 0.8 GeV/c



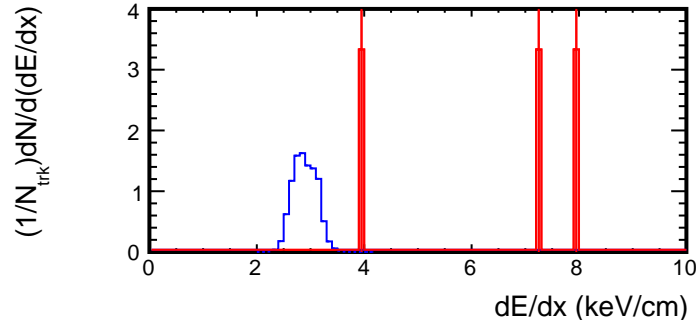
< Mc p < 1.0 GeV/c



< Mc p < 1.2 GeV/c



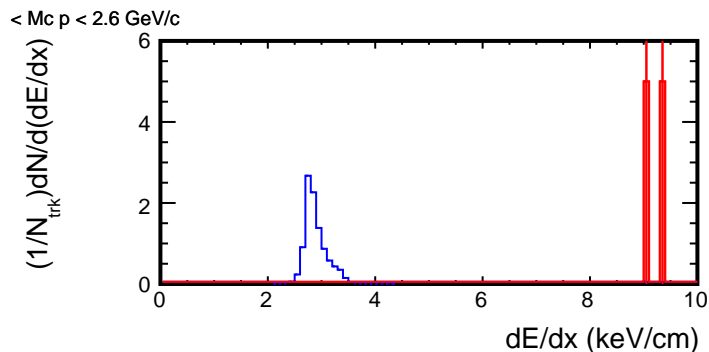
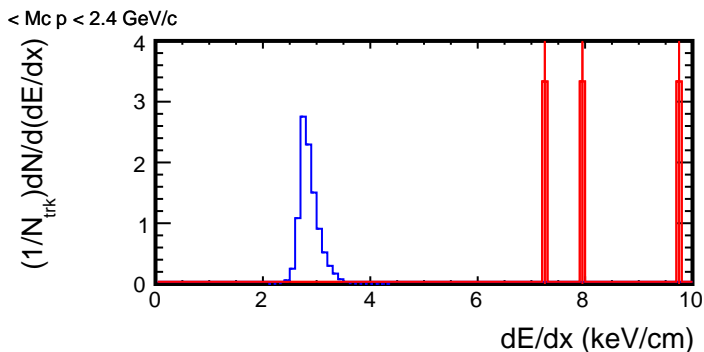
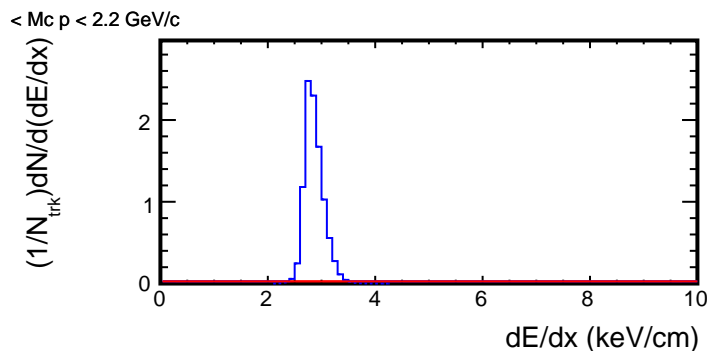
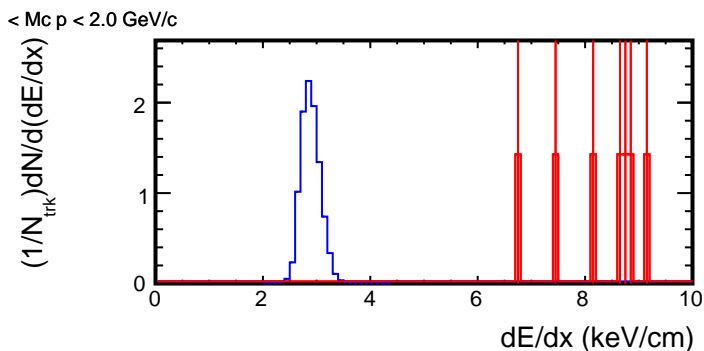
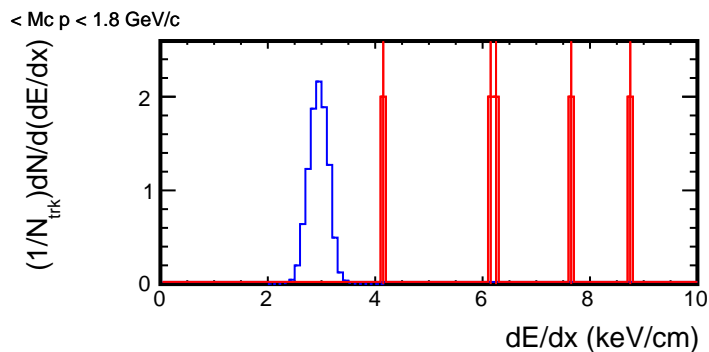
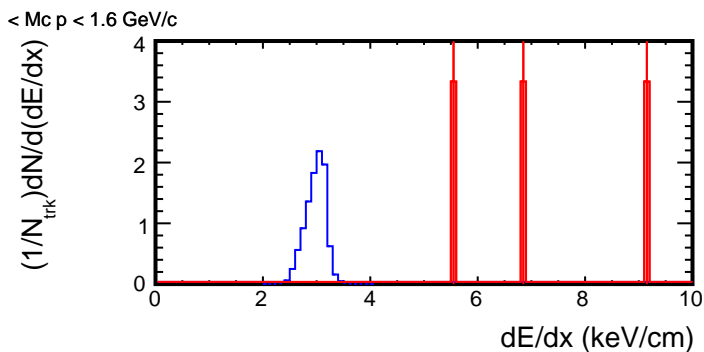
< Mc p < 1.4 GeV/c



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

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

Projection of dE/dx for each p bin

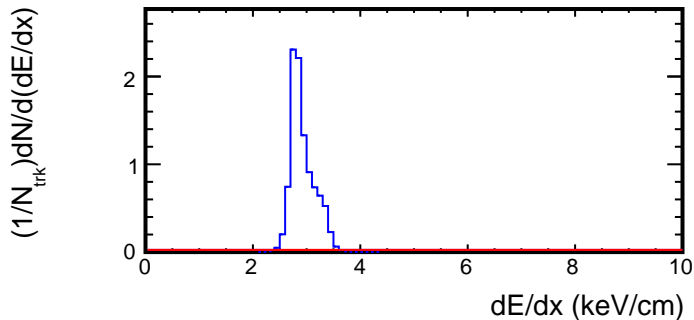


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

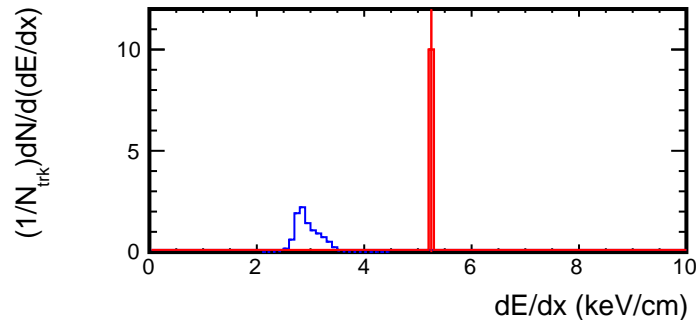
— pi+
(PRIMARY, $|n_{\sigma_{\text{pi}^+}}| < 2$ TPC)

Projection of dE/dx for each p bin

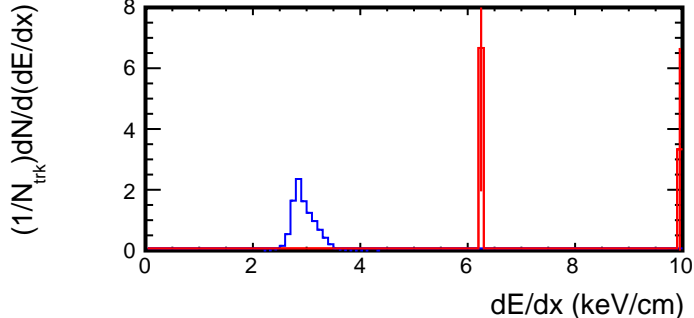
< Mc p < 2.8 GeV/c



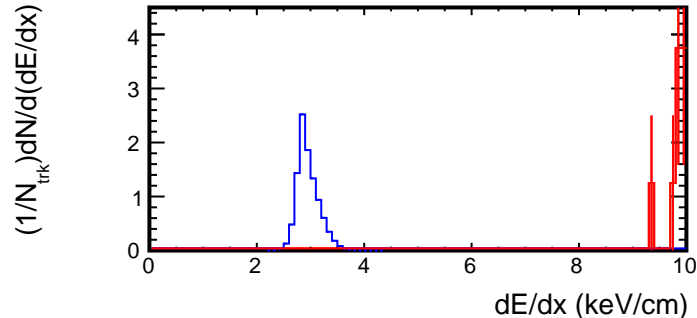
< Mc p < 3.0 GeV/c



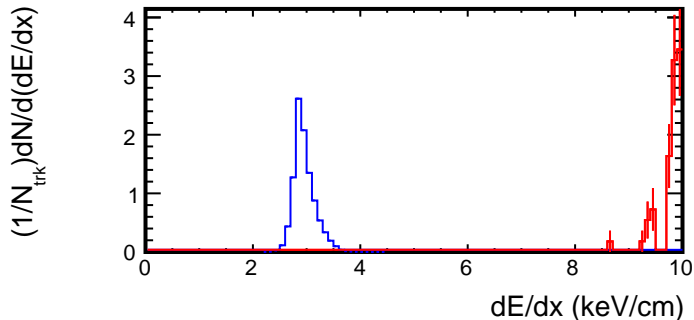
< Mc p < 3.2 GeV/c



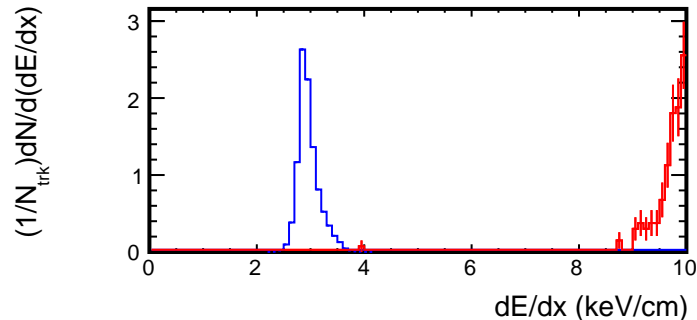
< Mc p < 3.4 GeV/c



< Mc p < 3.6 GeV/c



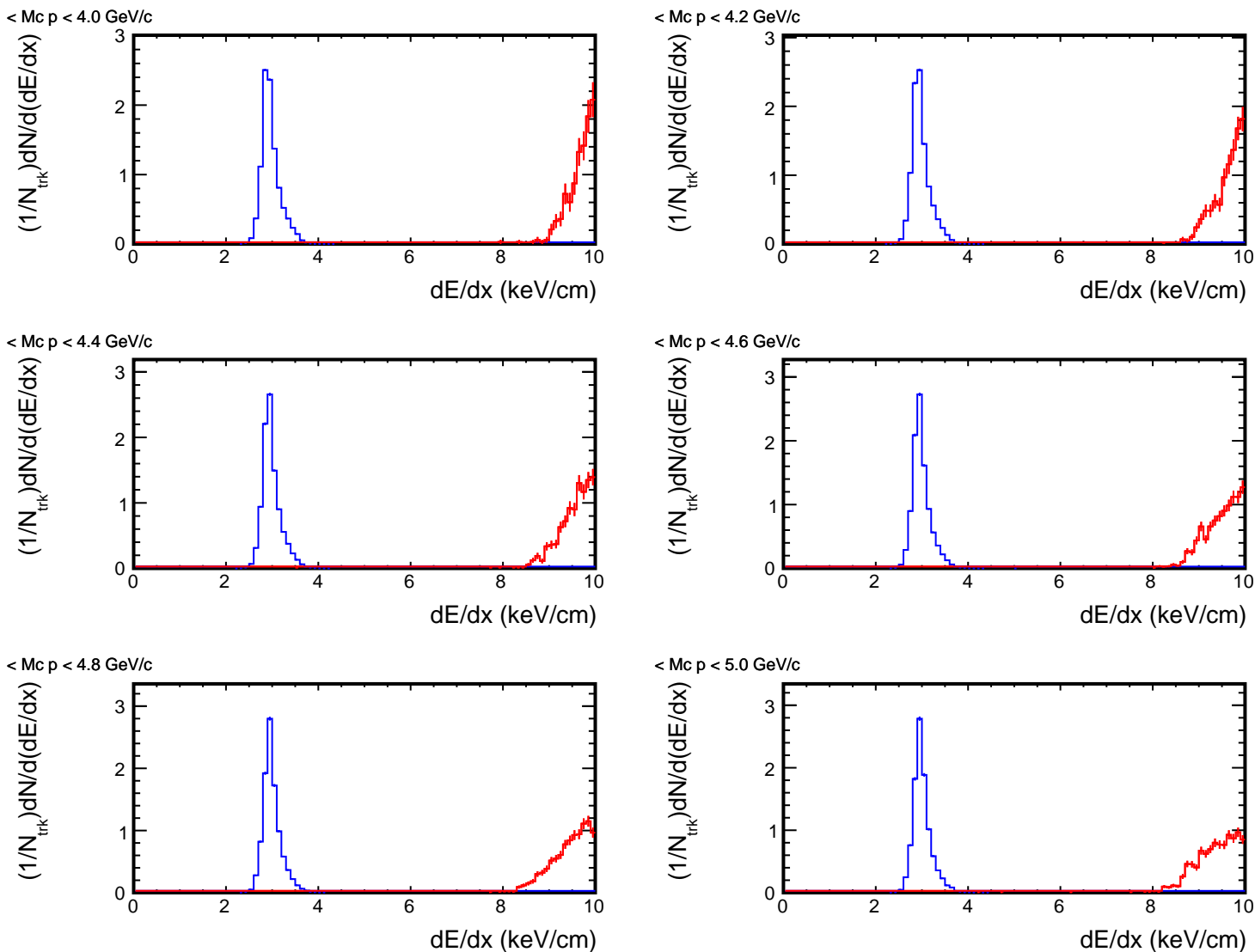
< Mc p < 3.8 GeV/c



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

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

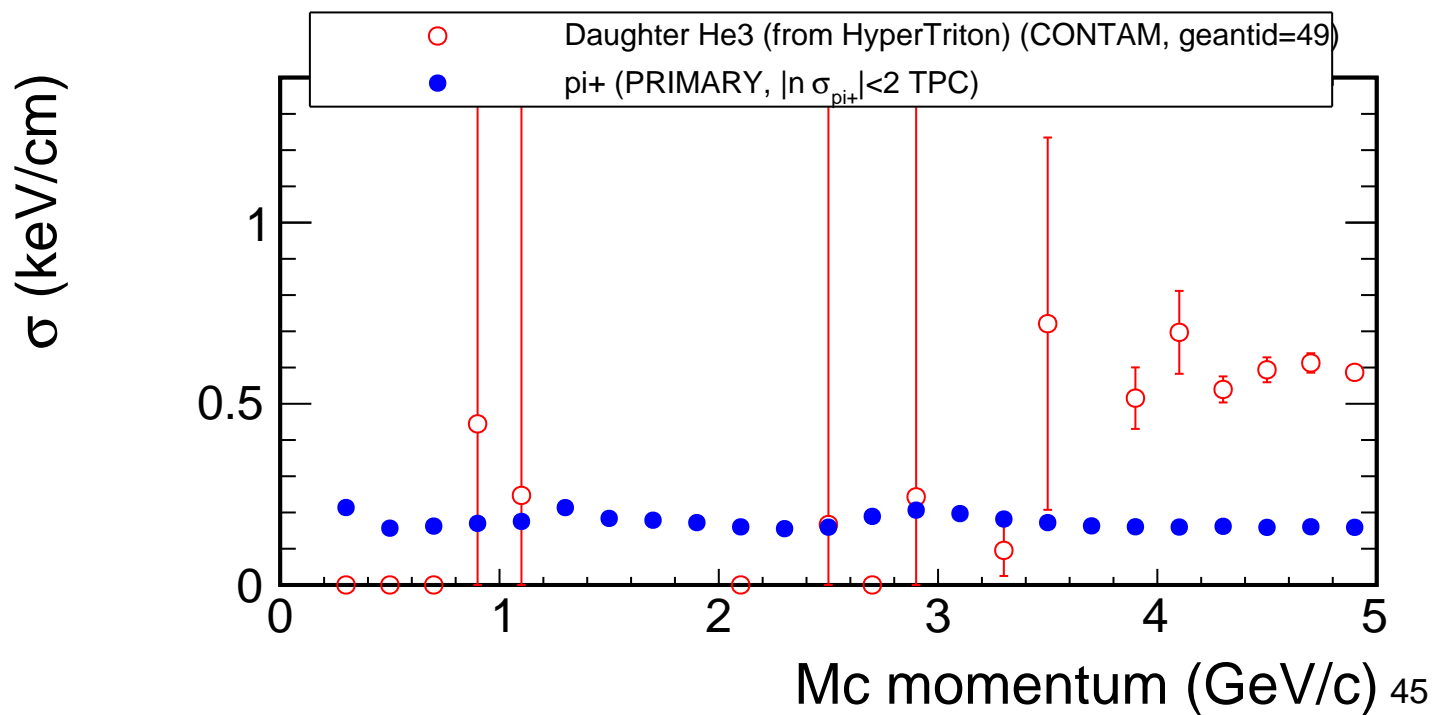
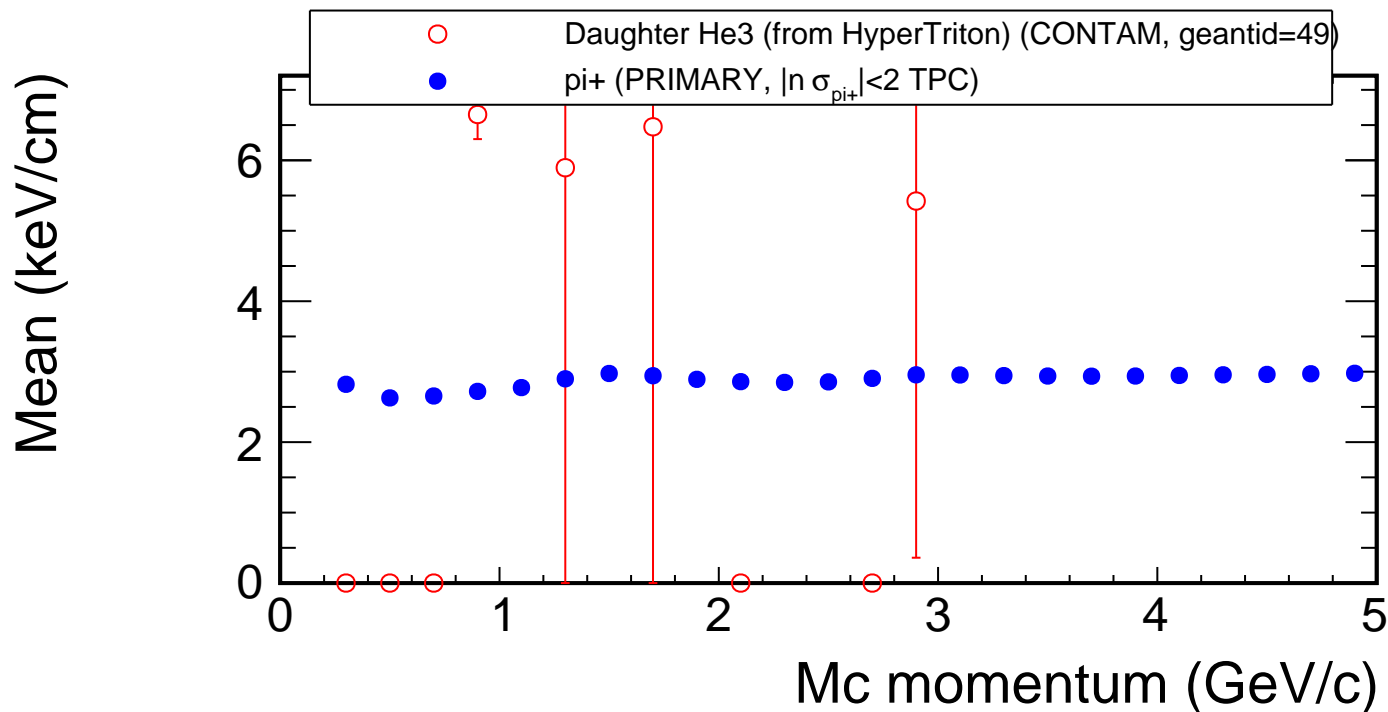
Projection of dE/dx for each p bin



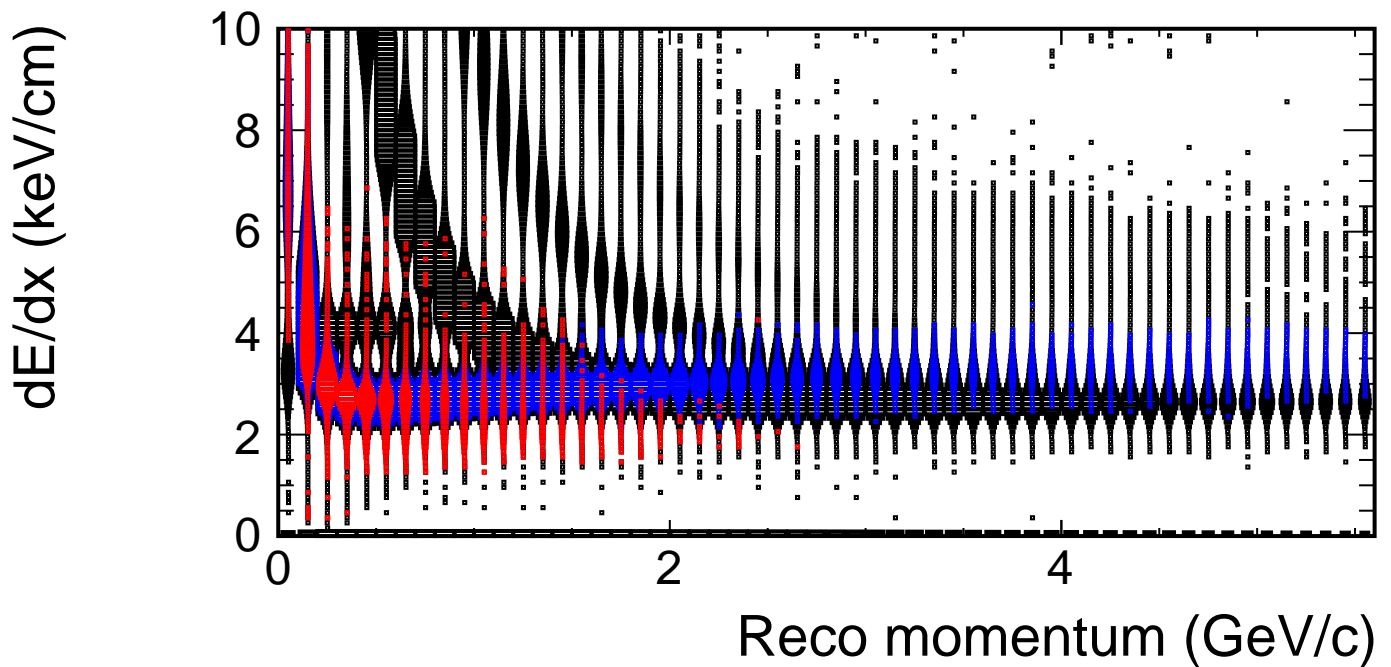
— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

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

Mean/ σ of dE/dx vs momentum



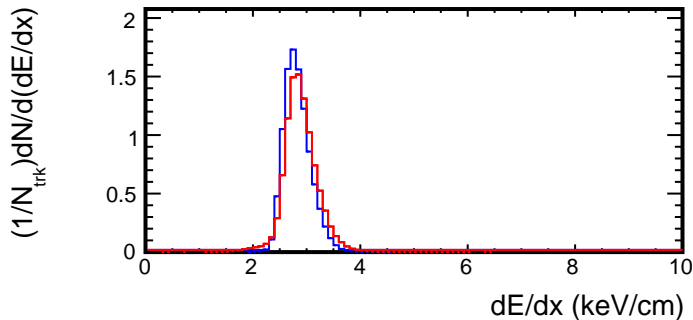
dE/dx vs momentum (Embedding:pi-, Real:pi-)



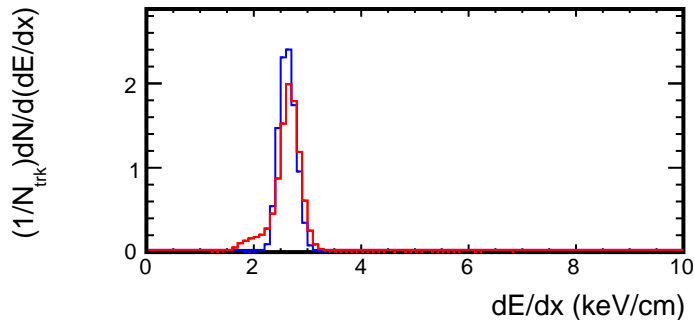
- Daughter pi- (from HyperTriton) (CONTAM, geantid=9)
- Real data
- Real data with PID cut ($\sigma < 2$) TPC

Projection of dE/dx for each p bin

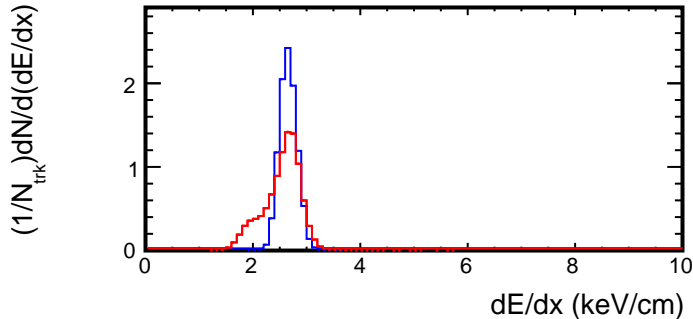
: Reco p < 0.4 GeV/c



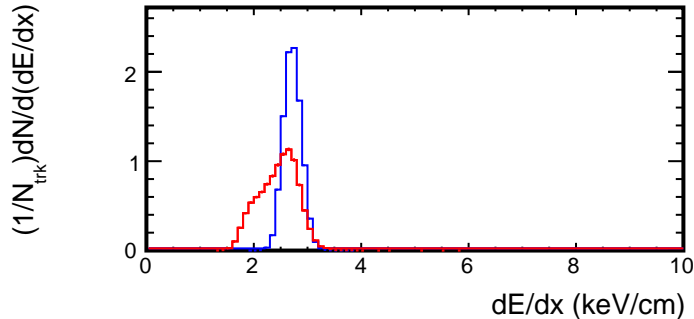
: Reco p < 0.6 GeV/c



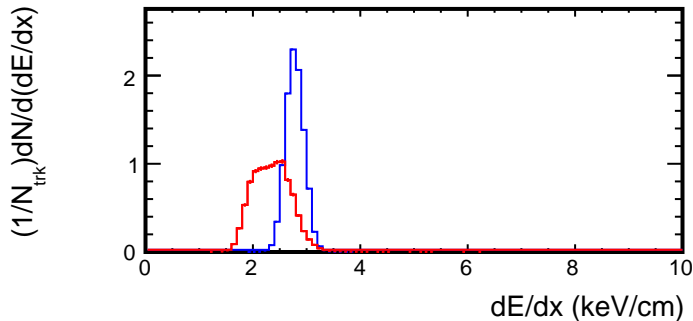
: Reco p < 0.8 GeV/c



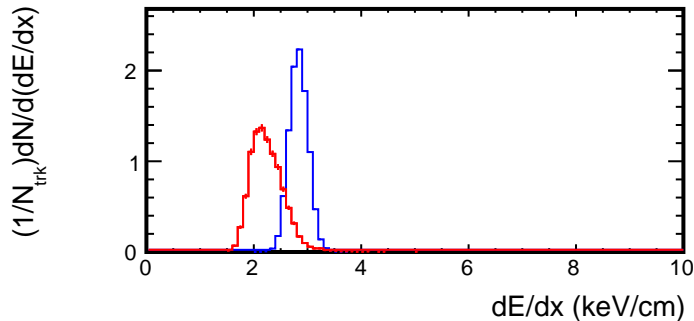
: Reco p < 1.0 GeV/c



: Reco p < 1.2 GeV/c



: Reco p < 1.4 GeV/c

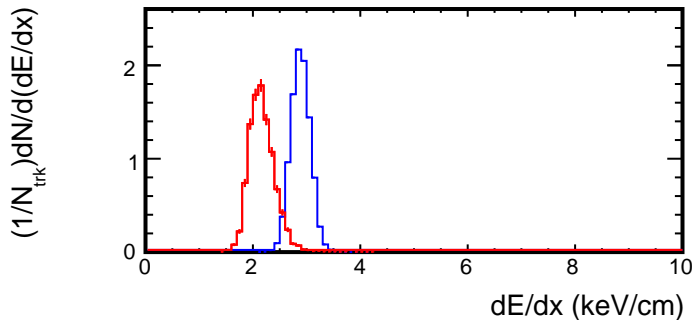


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

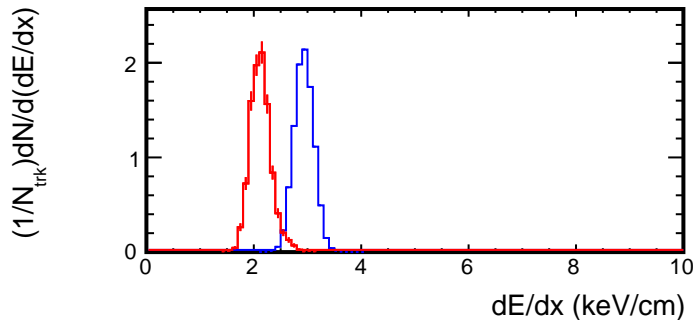
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi-}}| < 2$ TPC)

Projection of dE/dx for each p bin

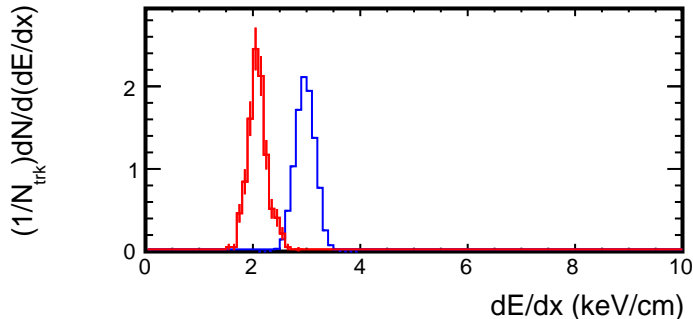
: Reco p < 1.6 GeV/c



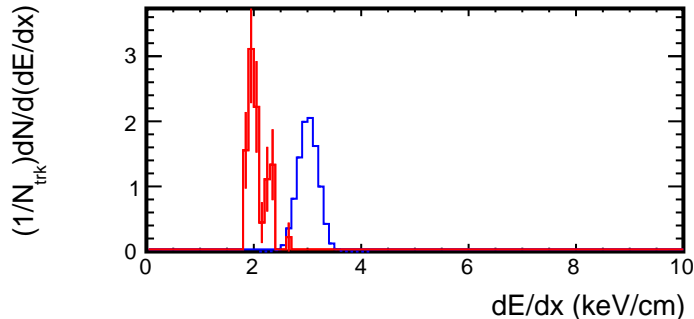
: Reco p < 1.8 GeV/c



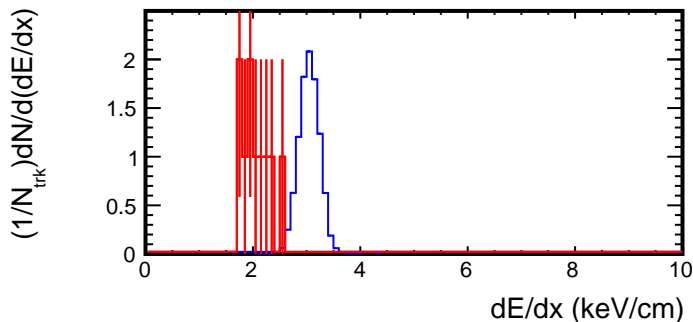
: Reco p < 2.0 GeV/c



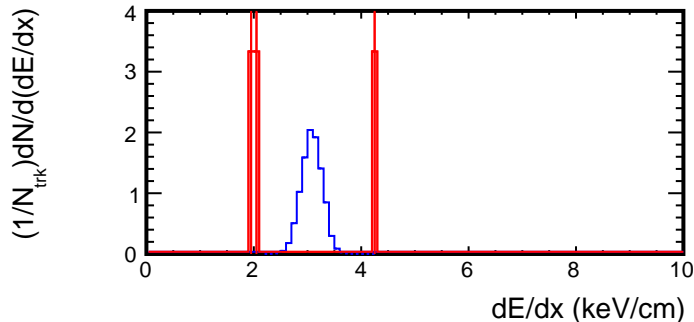
: Reco p < 2.2 GeV/c



: Reco p < 2.4 GeV/c



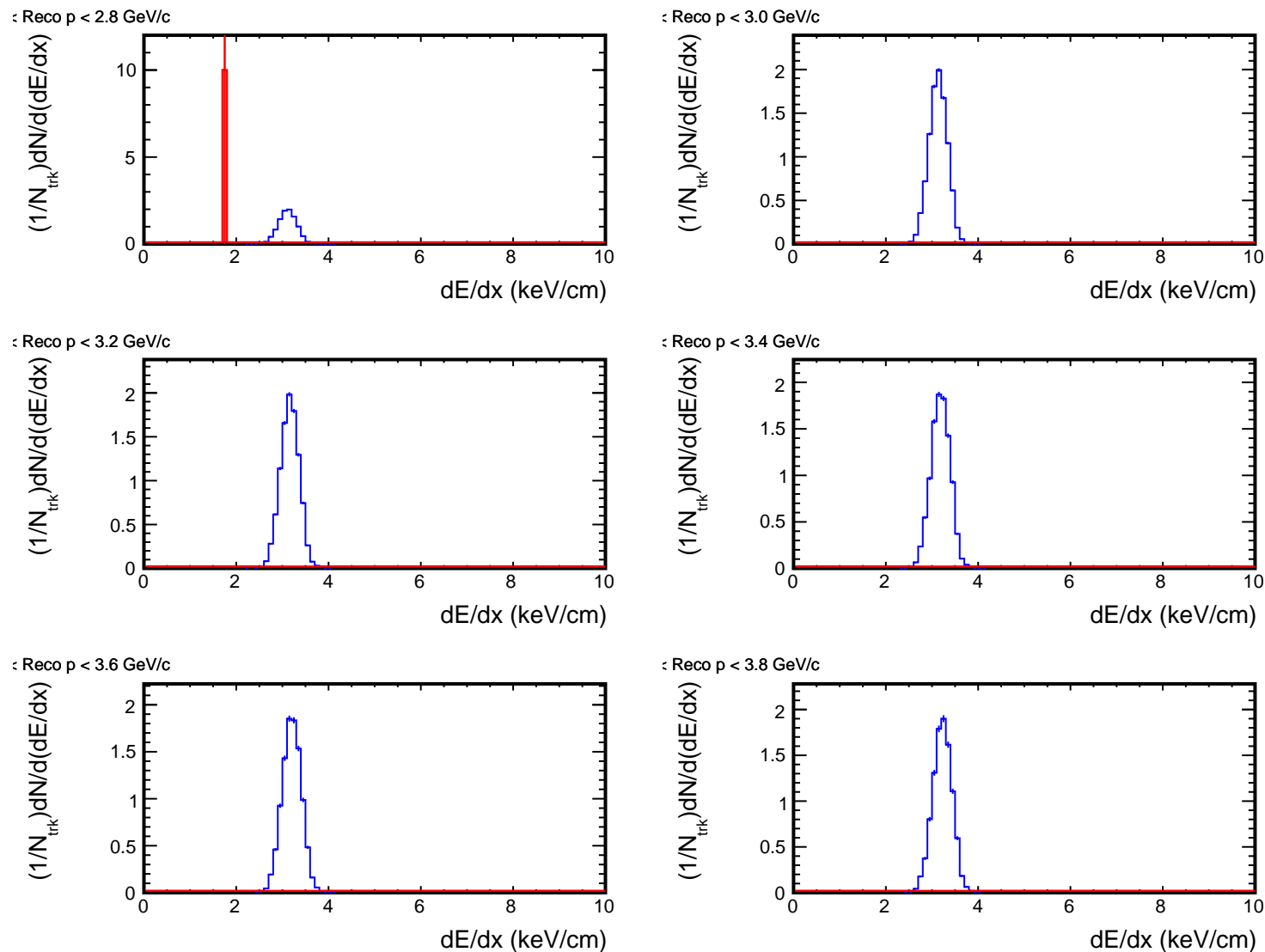
: Reco p < 2.6 GeV/c



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

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

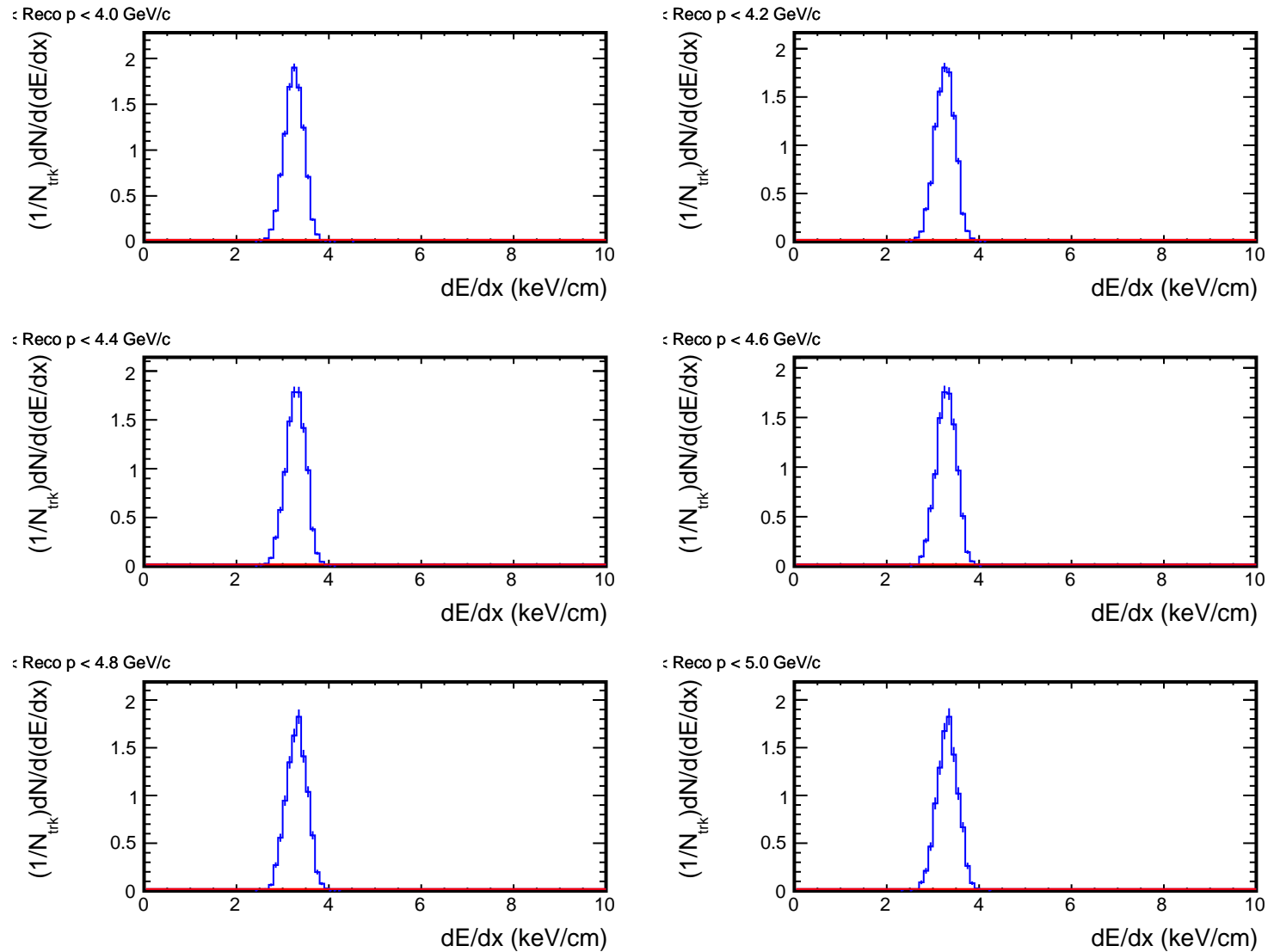
Projection of dE/dx for each p bin



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

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

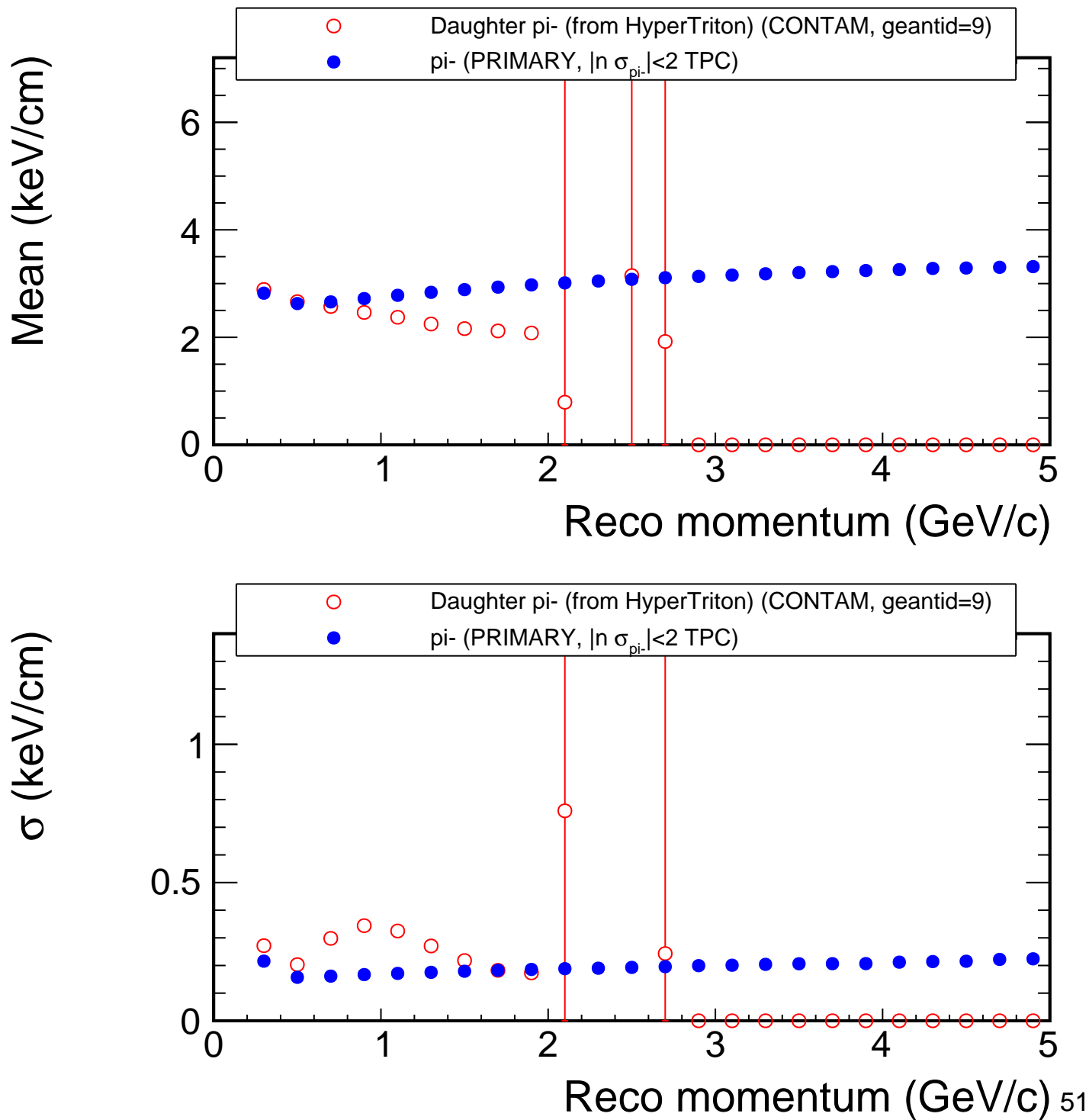
Projection of dE/dx for each p bin



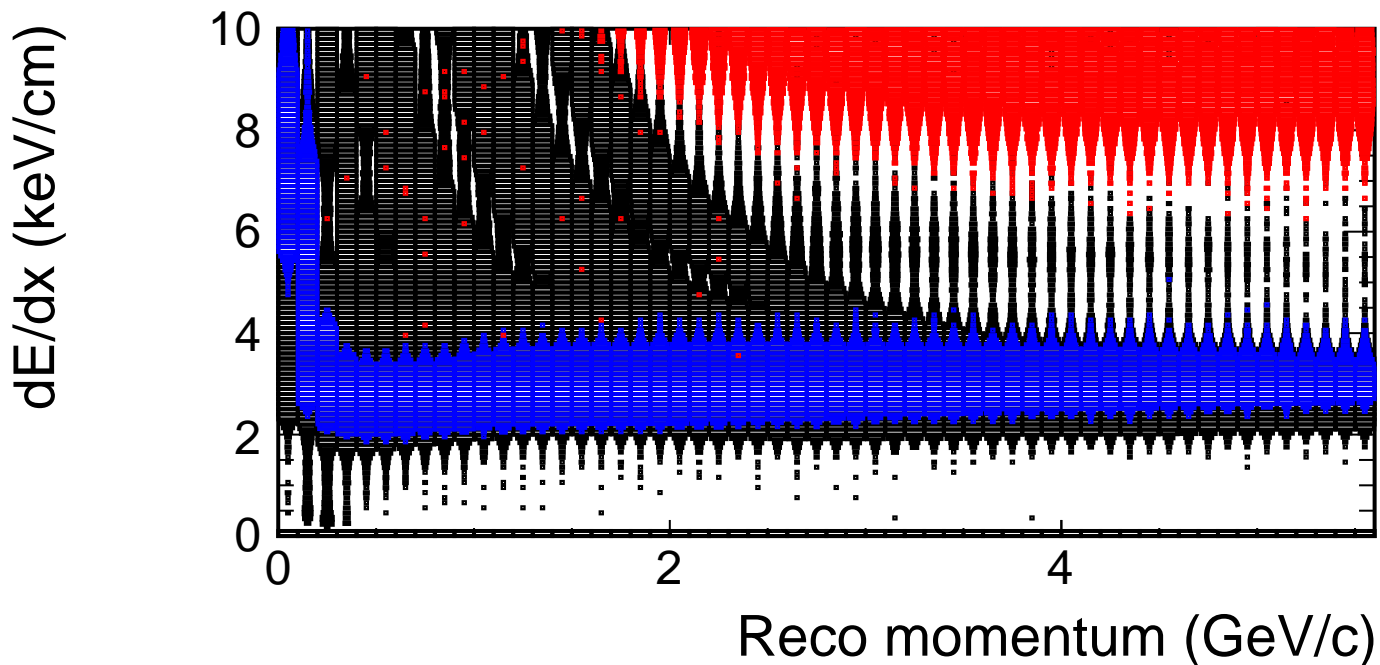
— Daughter π^- (from HyperTriton)
(CONTAM, geantid=9)

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

Mean/ σ of dE/dx vs momentum

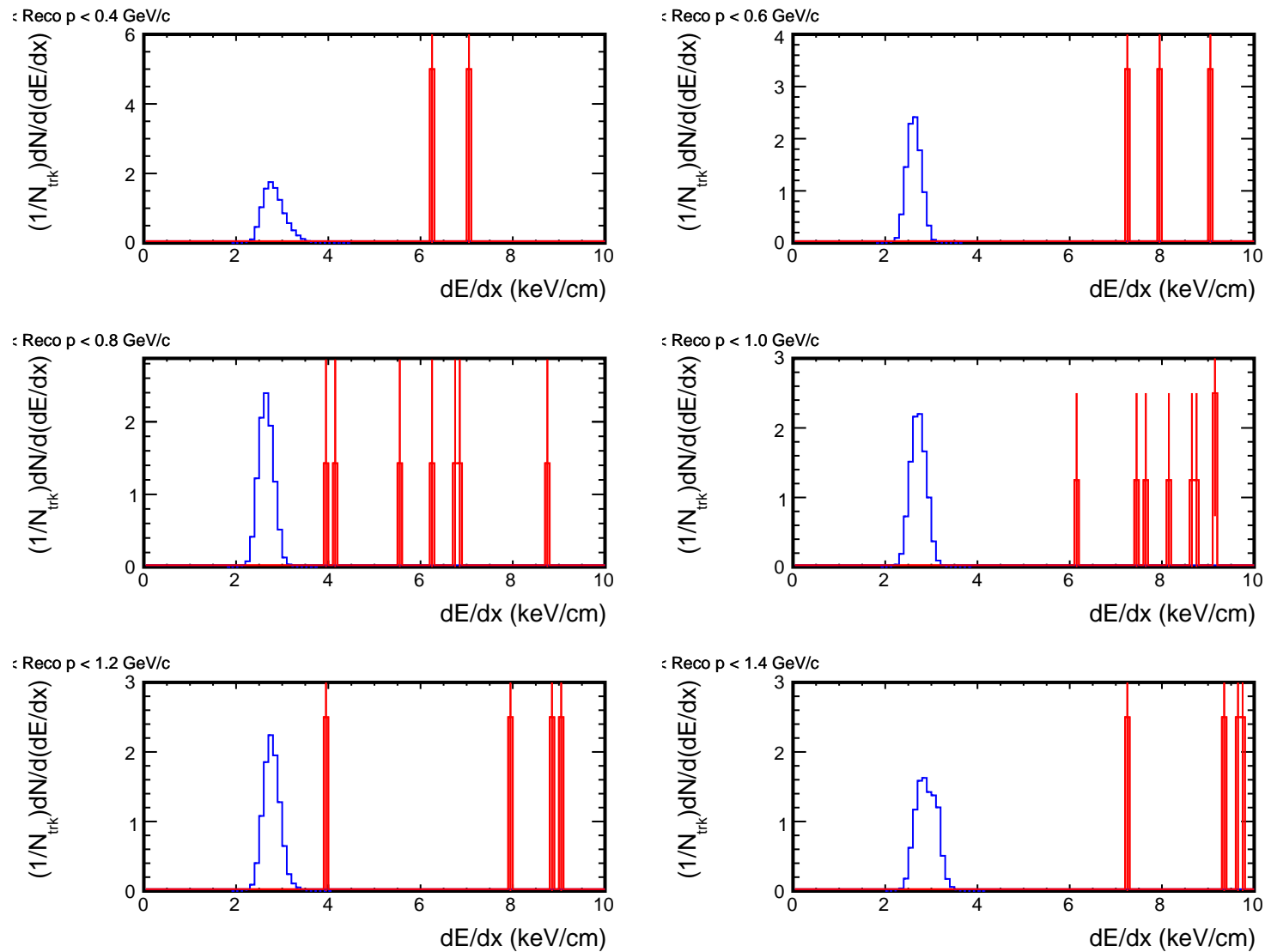


dE/dx vs momentum (Embedding:He3, Real:He3)



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

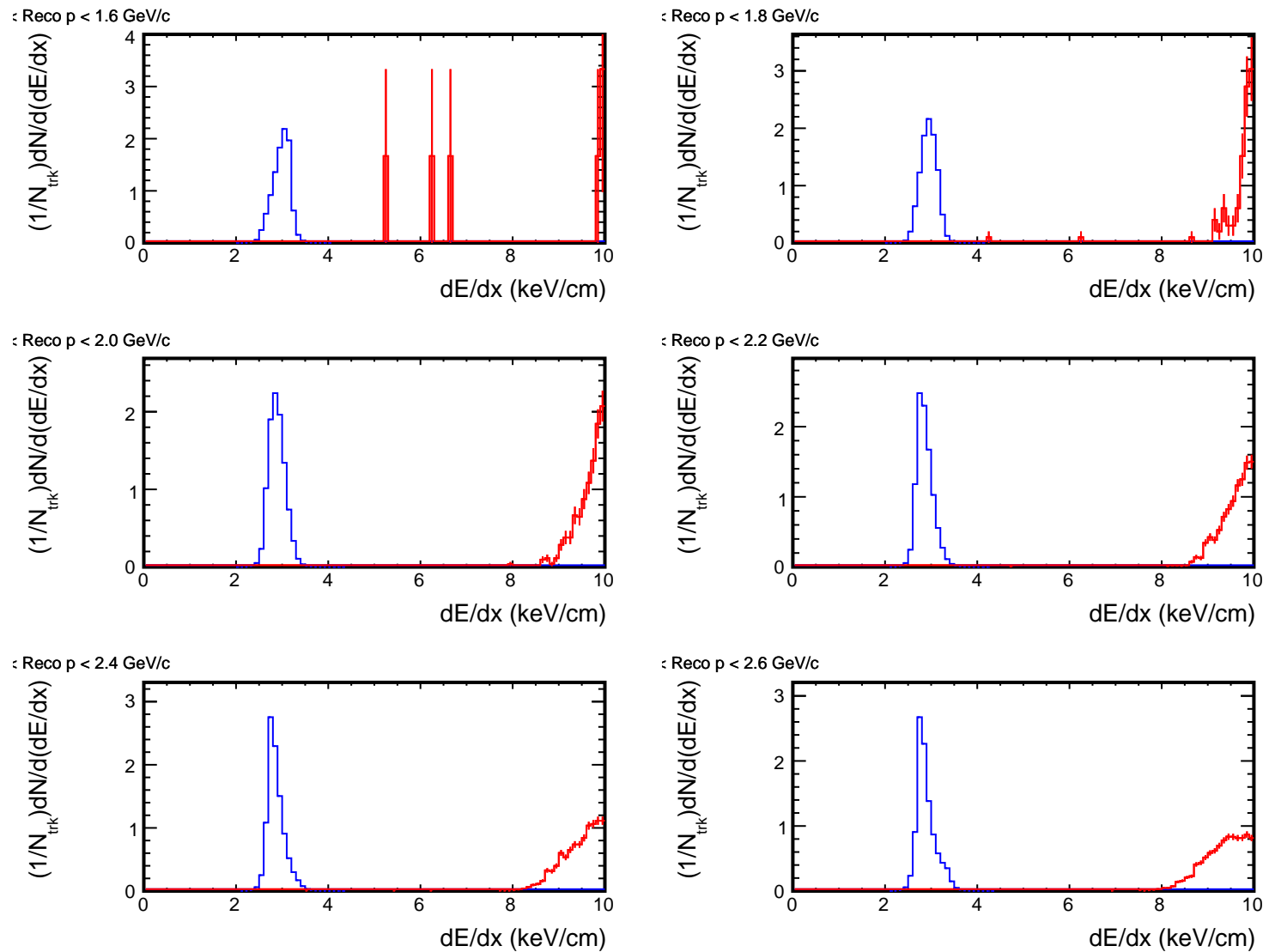
Projection of dE/dx for each p bin



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

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

Projection of dE/dx for each p bin

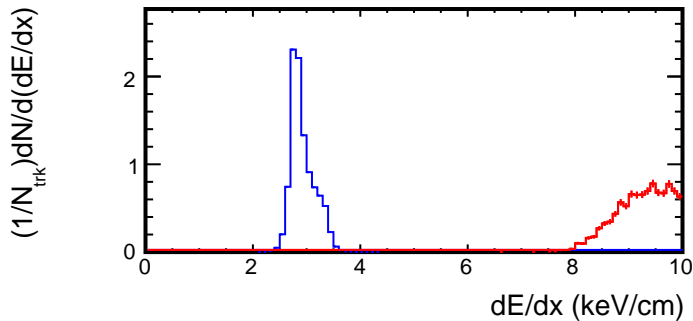


— Daughter He3 (from HyperTriton)
 (CONTAM, geantid=49)

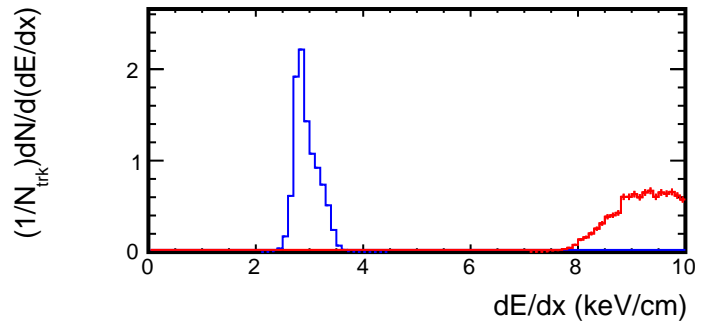
— pi+
 (PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Projection of dE/dx for each p bin

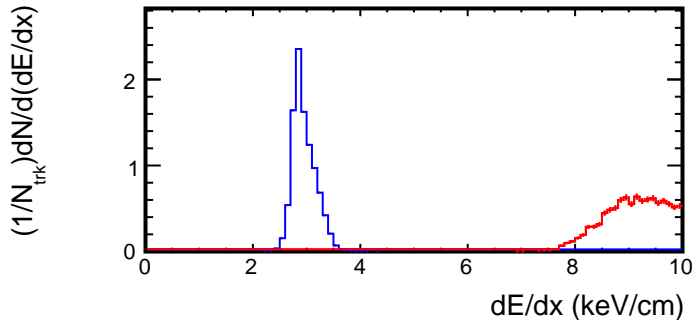
: Reco p < 2.8 GeV/c



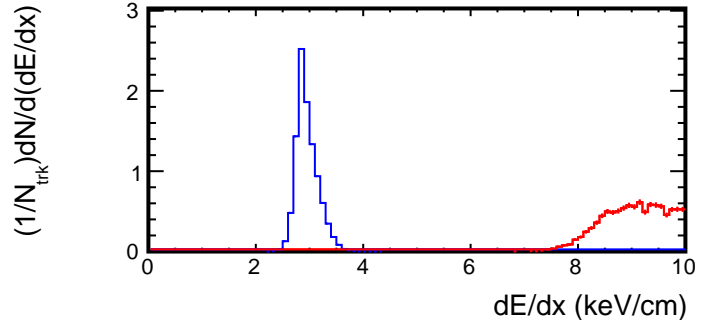
: Reco p < 3.0 GeV/c



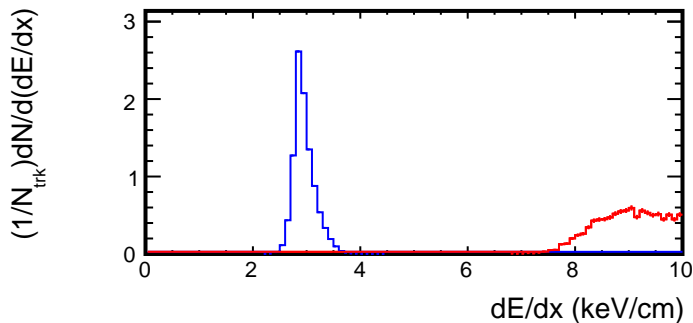
: Reco p < 3.2 GeV/c



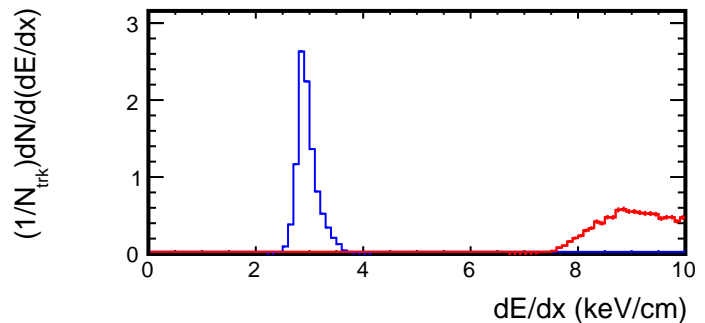
: Reco p < 3.4 GeV/c



: Reco p < 3.6 GeV/c



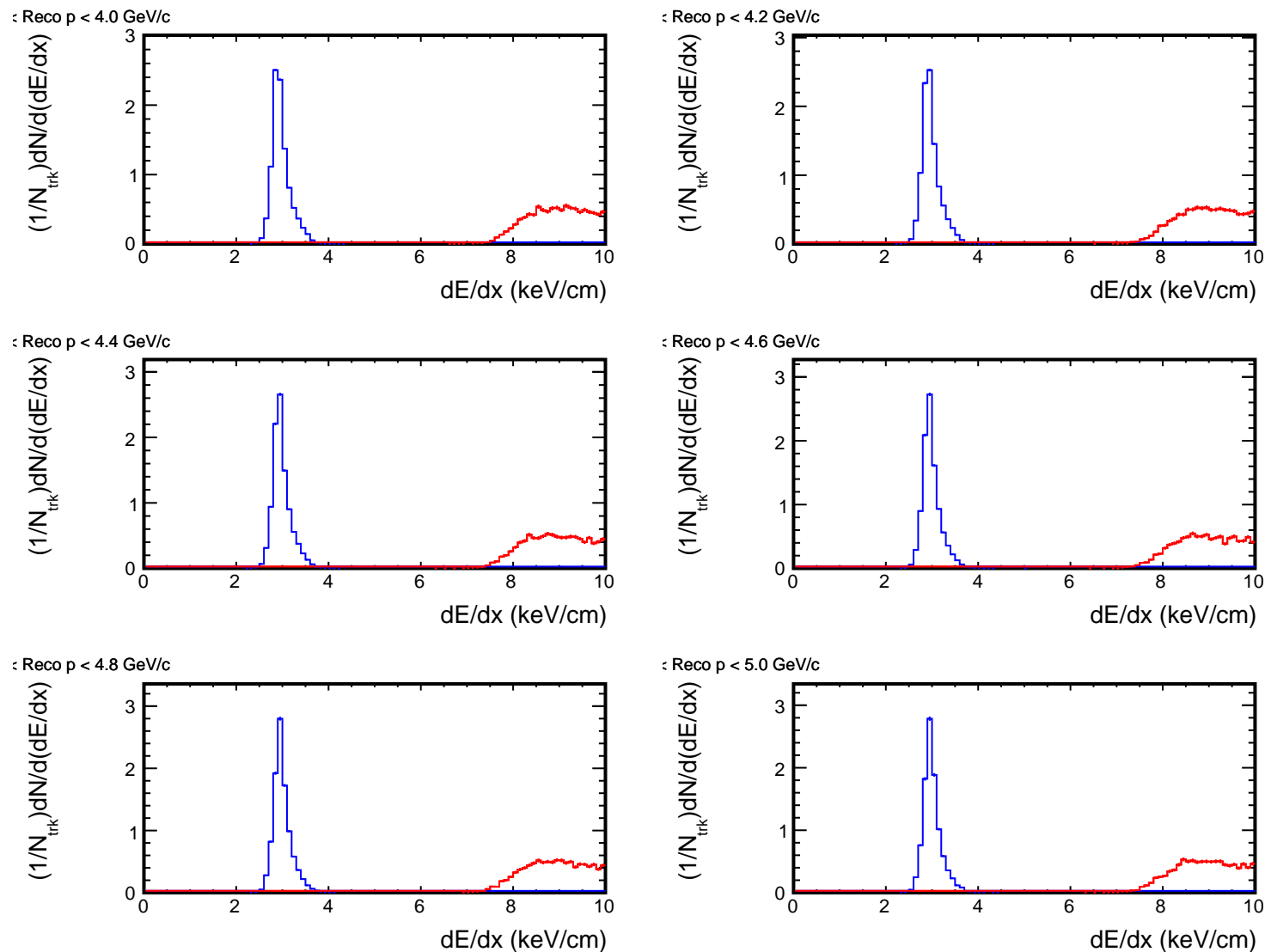
: Reco p < 3.8 GeV/c



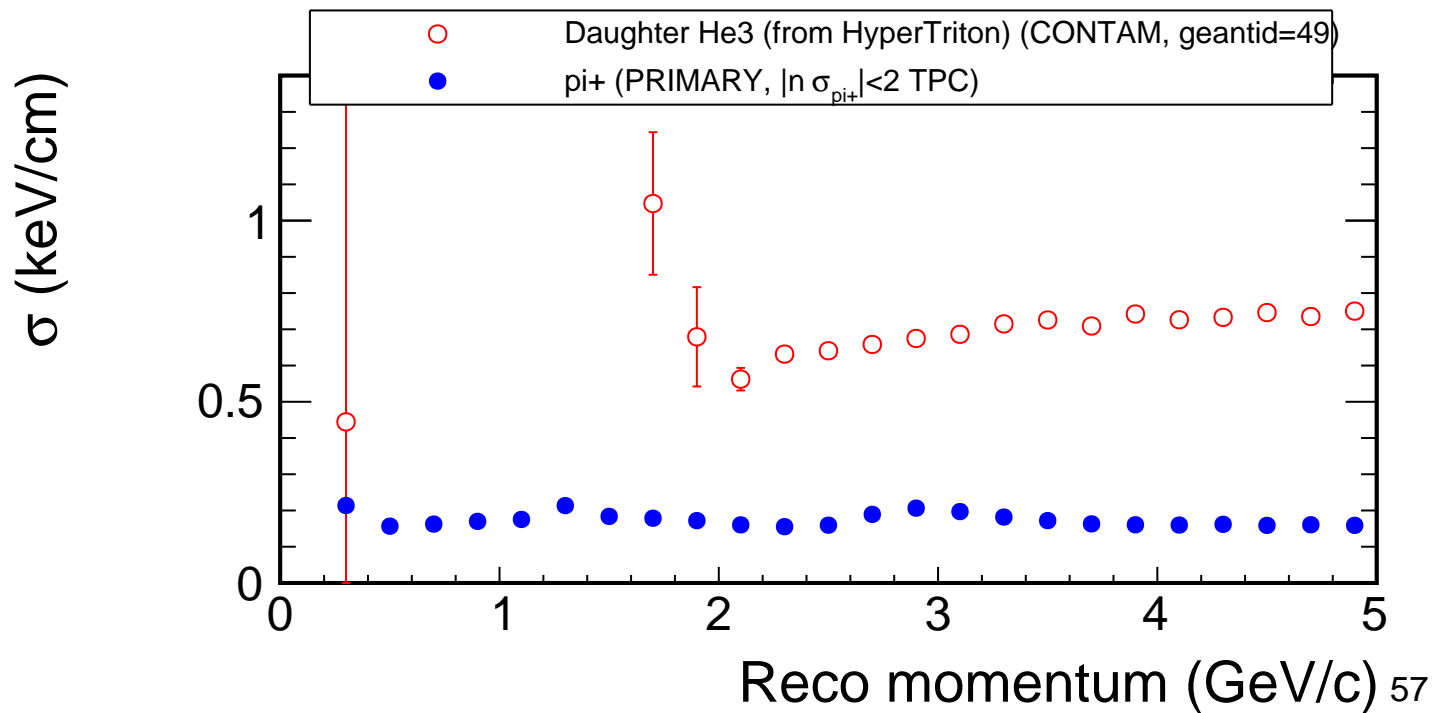
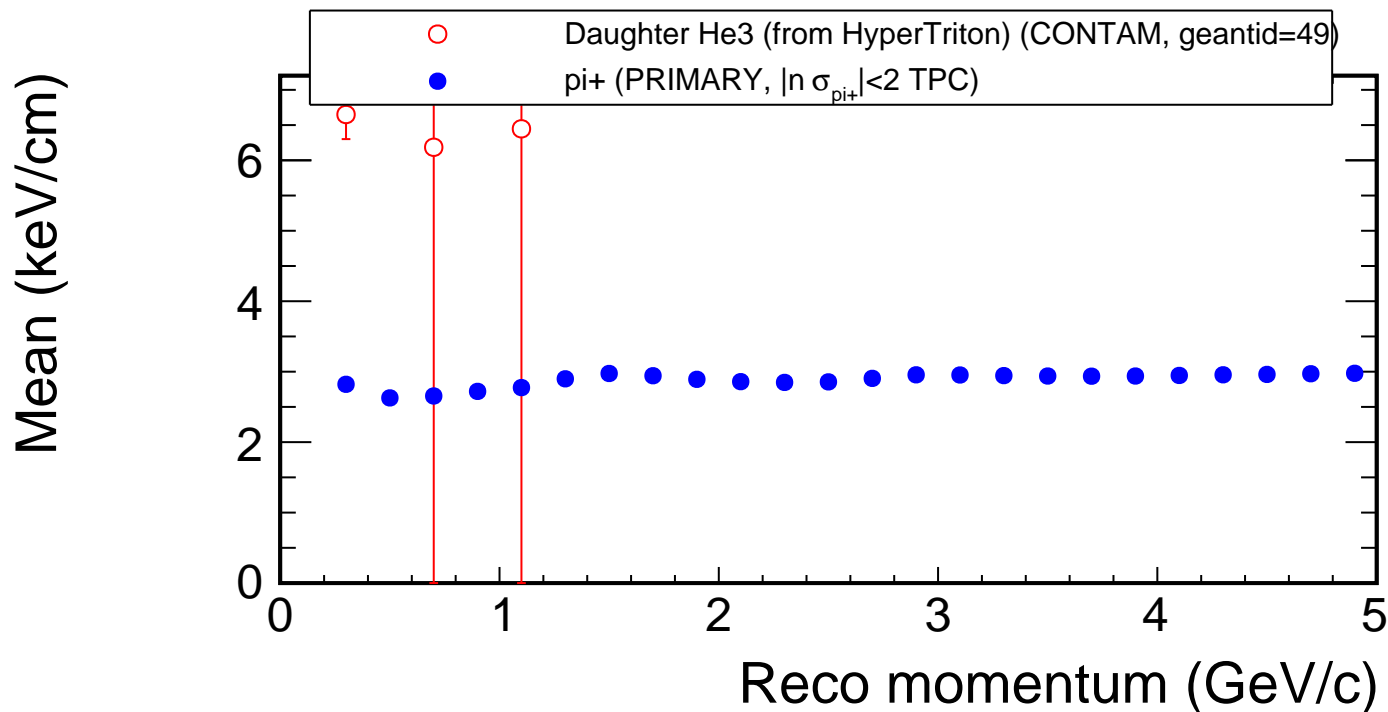
— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

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

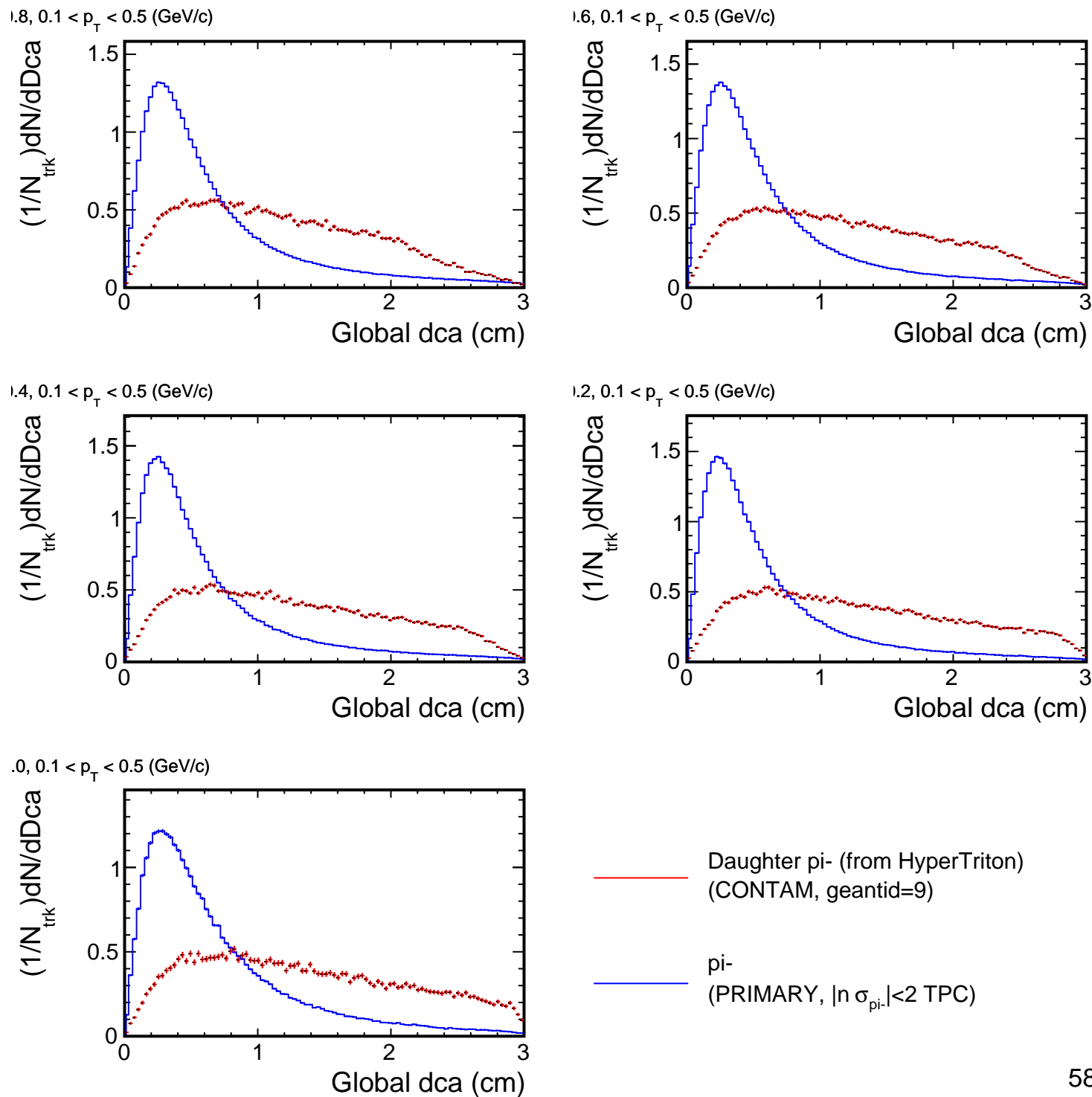
Projection of dE/dx for each p bin



Mean/ σ of dE/dx vs momentum

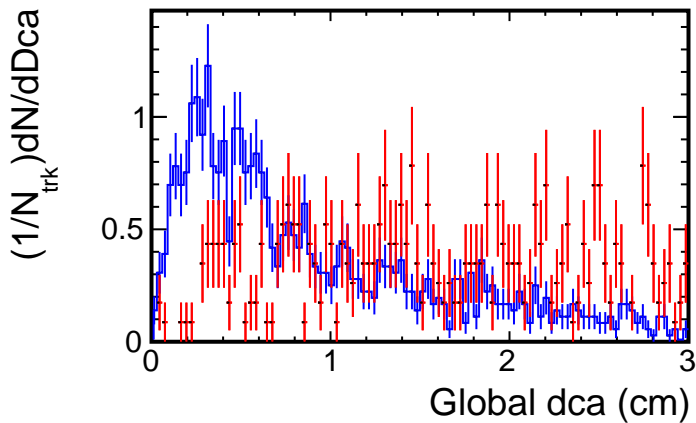


Dca distribution for (p_T , η) slices

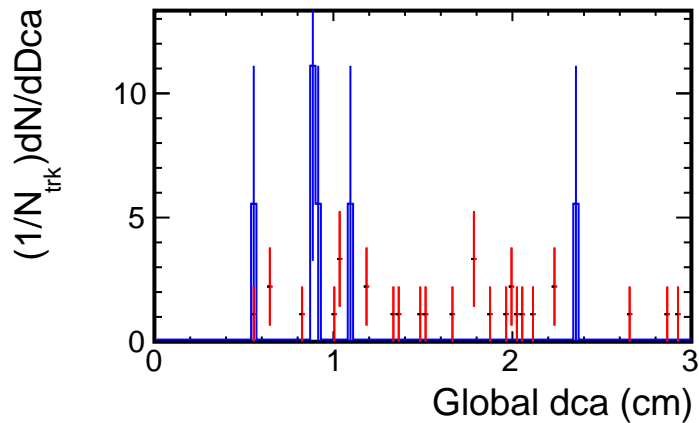


Dca distribution for (p_T , η) slices

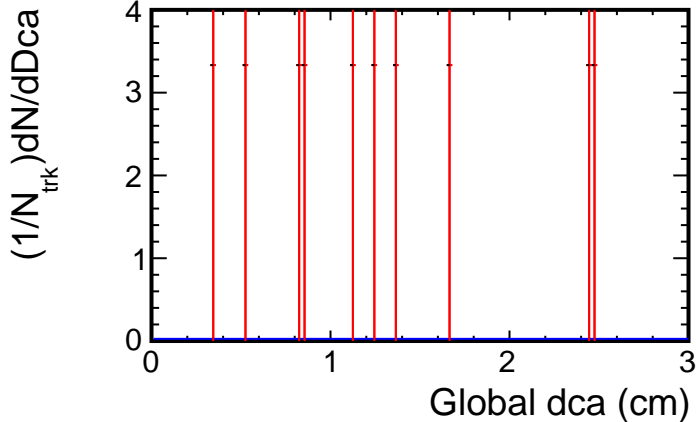
2, $0.1 < p_T < 0.5$ (GeV/c)



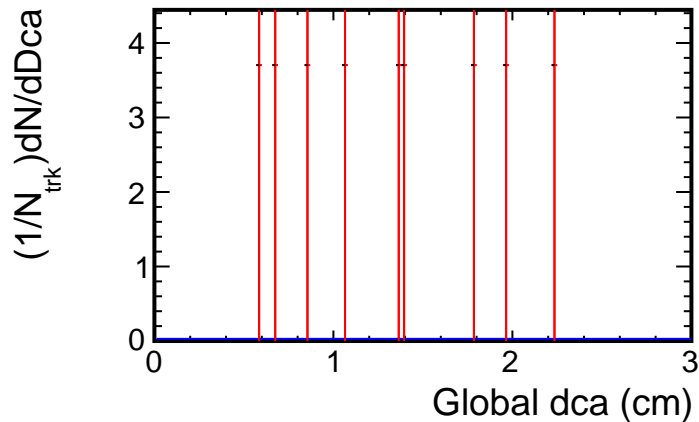
4, $0.1 < p_T < 0.5$ (GeV/c)



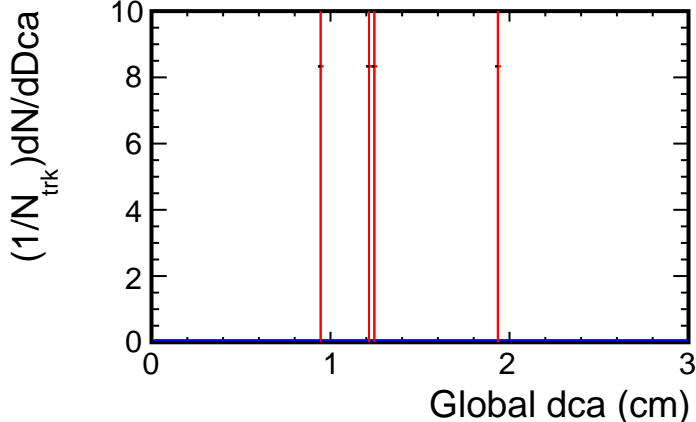
6, $0.1 < p_T < 0.5$ (GeV/c)



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



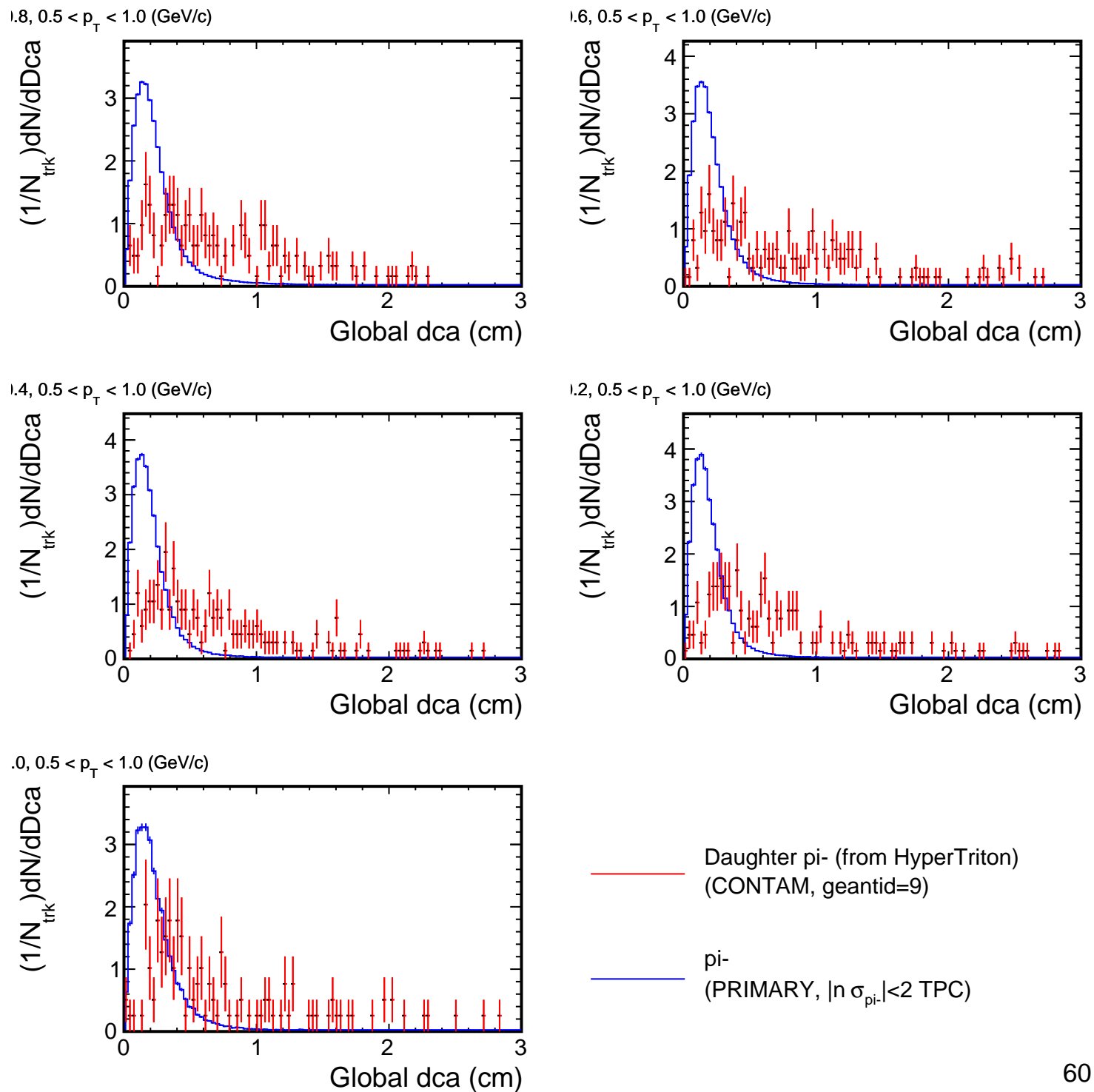
0, $0.1 < p_T < 0.5$ (GeV/c)



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

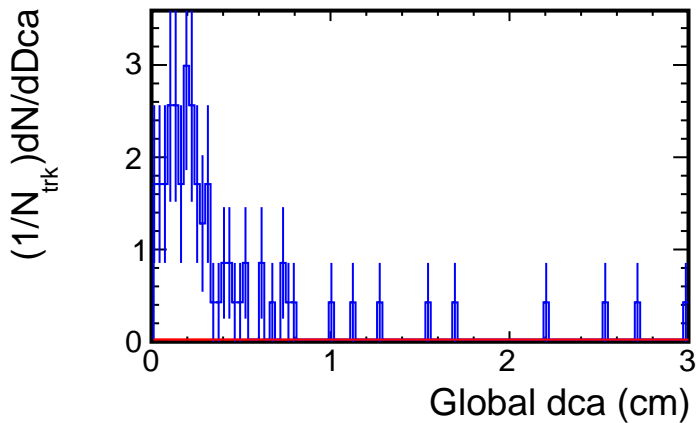
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices

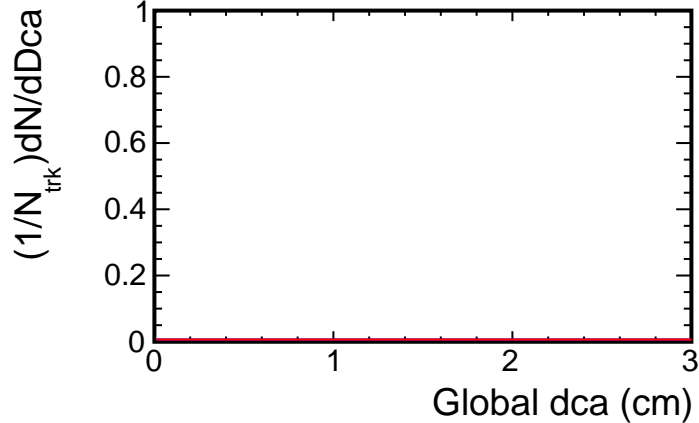


Dca distribution for (p_T , η) slices

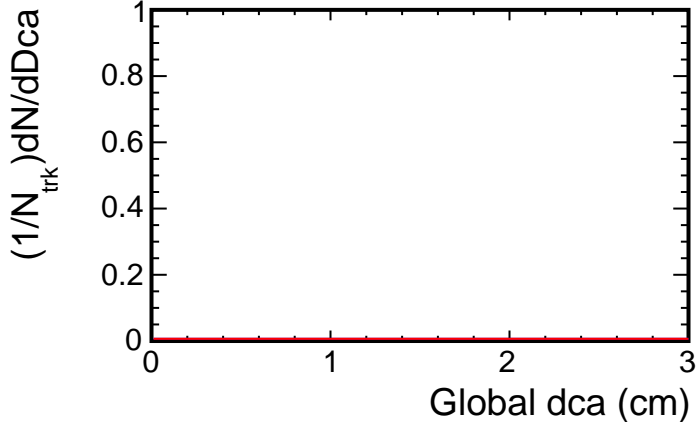
2, $0.5 < p_T < 1.0$ (GeV/c)



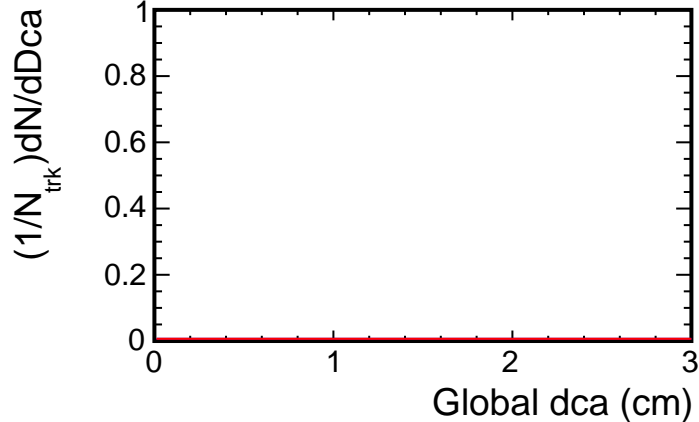
4, $0.5 < p_T < 1.0$ (GeV/c)



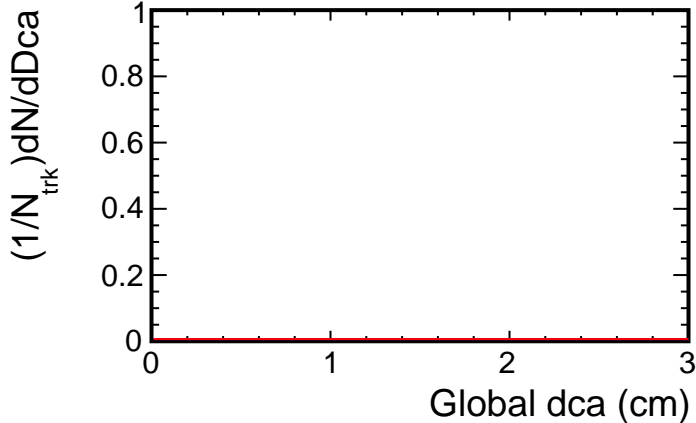
6, $0.5 < p_T < 1.0$ (GeV/c)



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



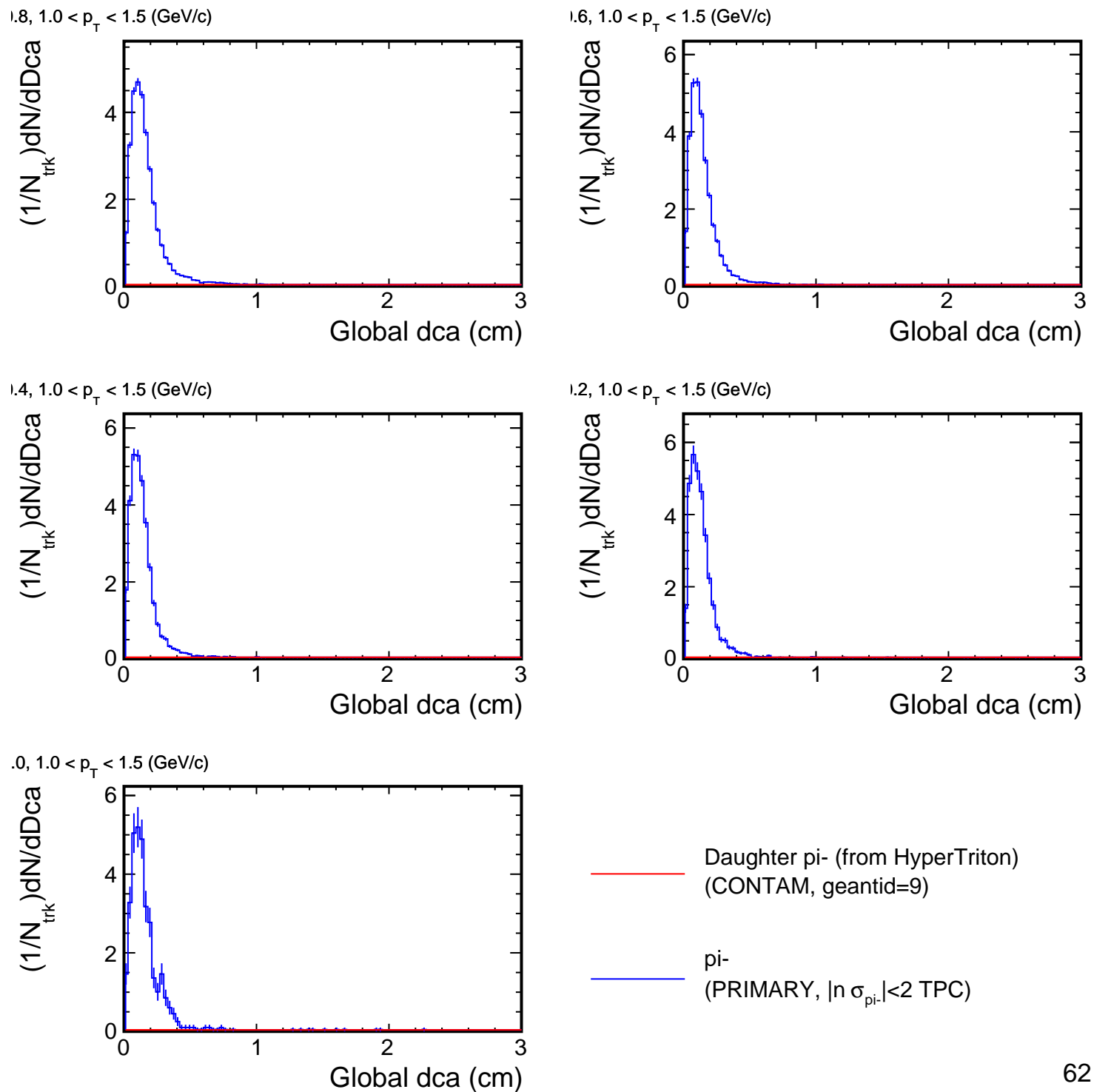
0, $0.5 < p_T < 1.0$ (GeV/c)



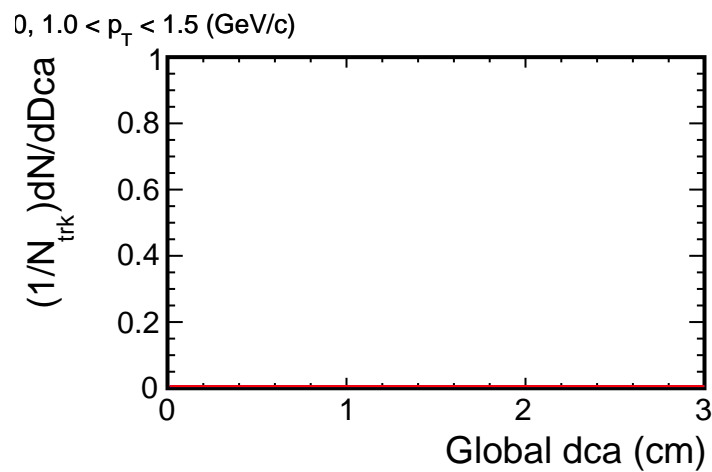
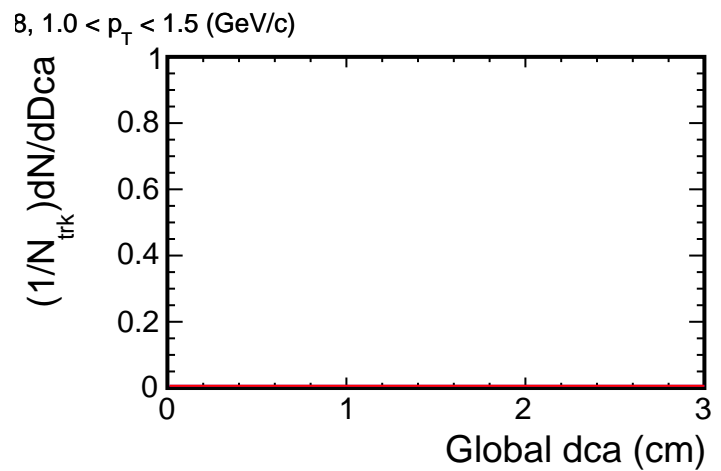
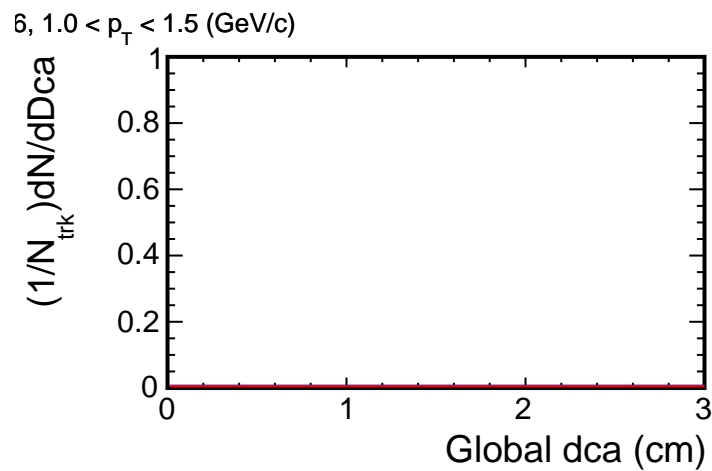
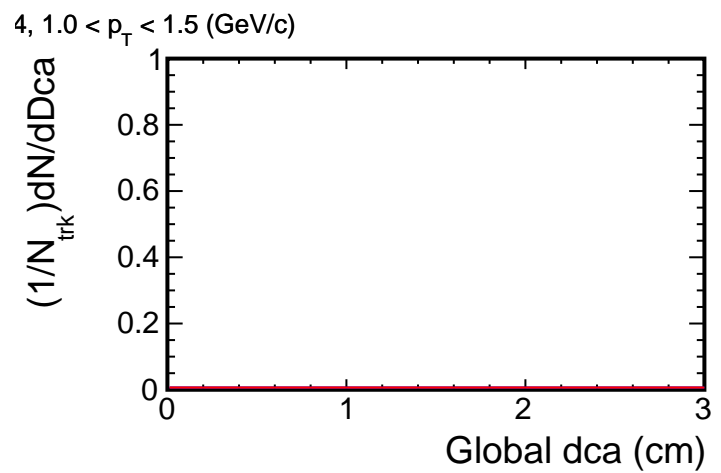
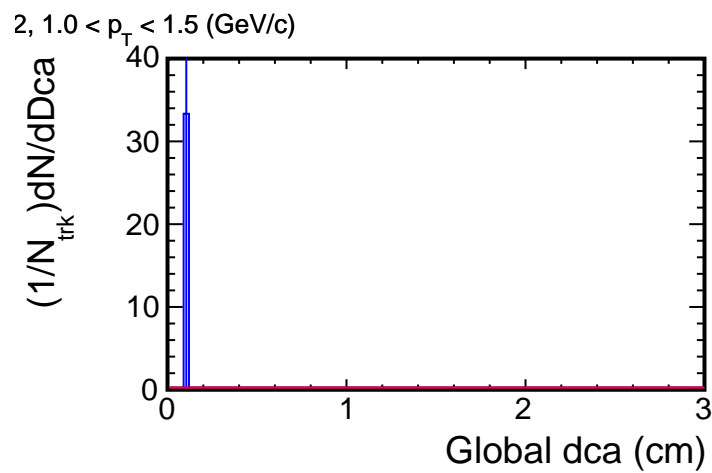
— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

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

Dca distribution for (p_T , η) slices



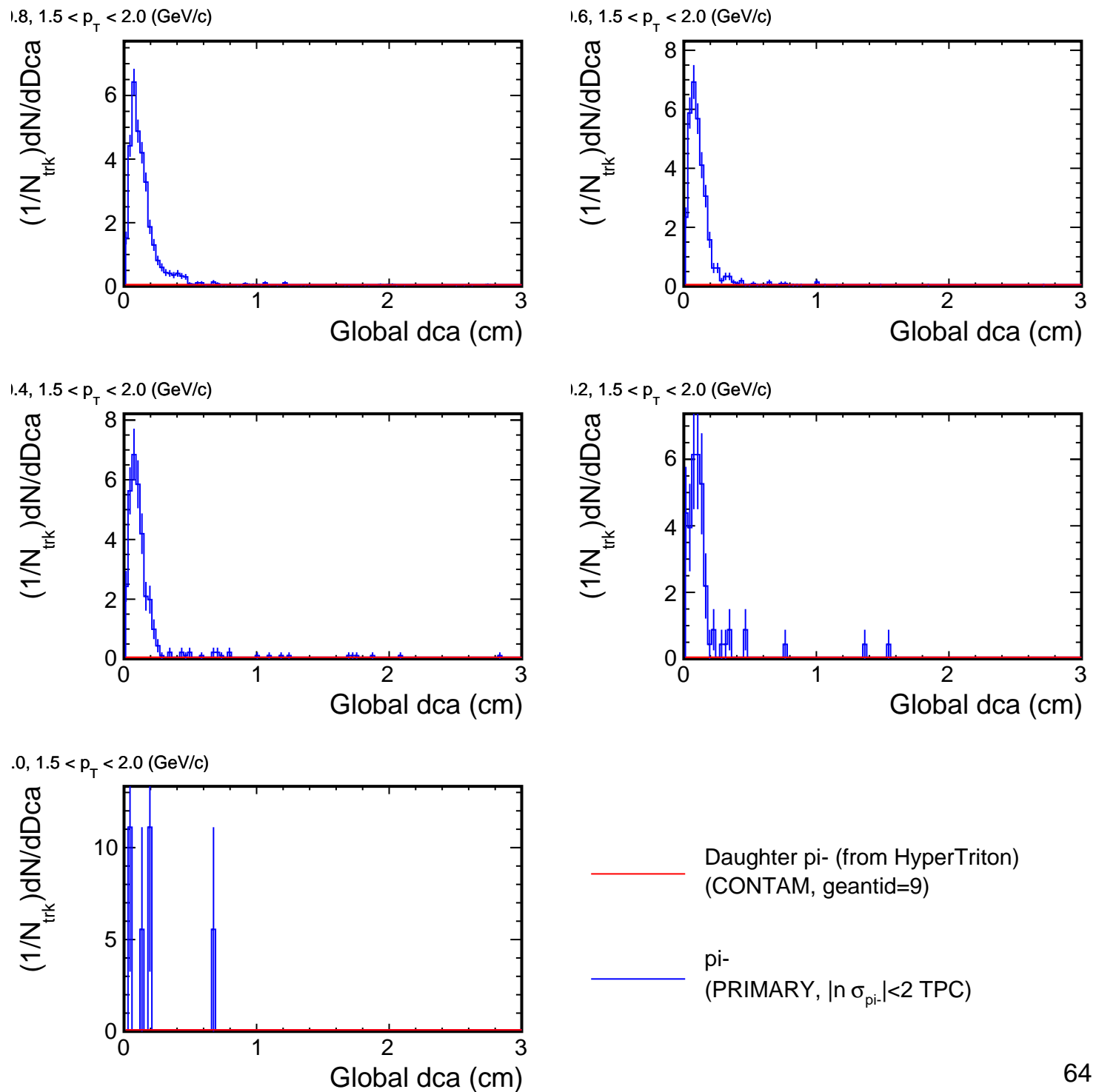
Dca distribution for (p_T , η) slices



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

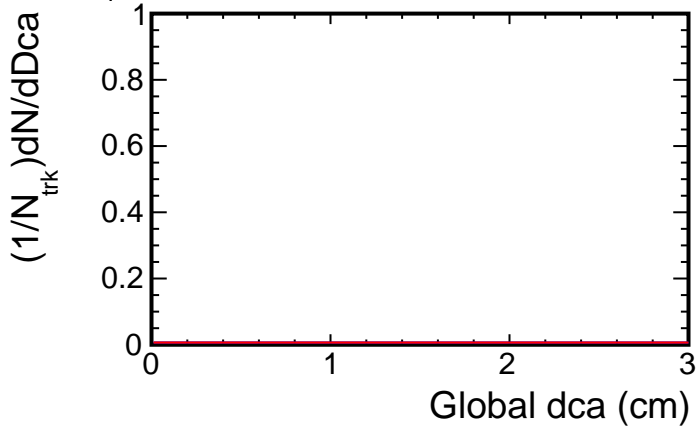
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices

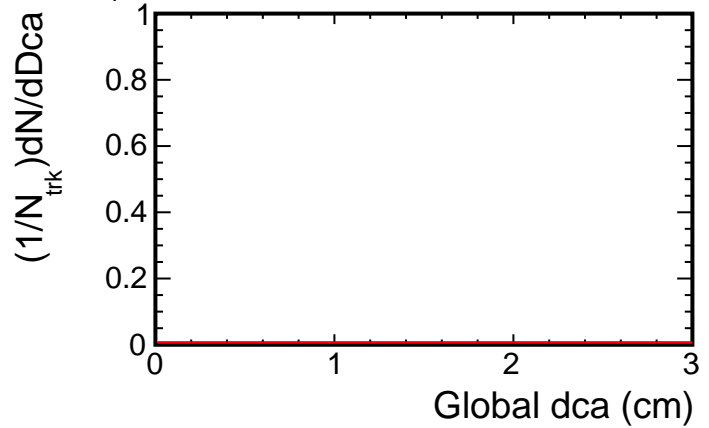


Dca distribution for (p_T , η) slices

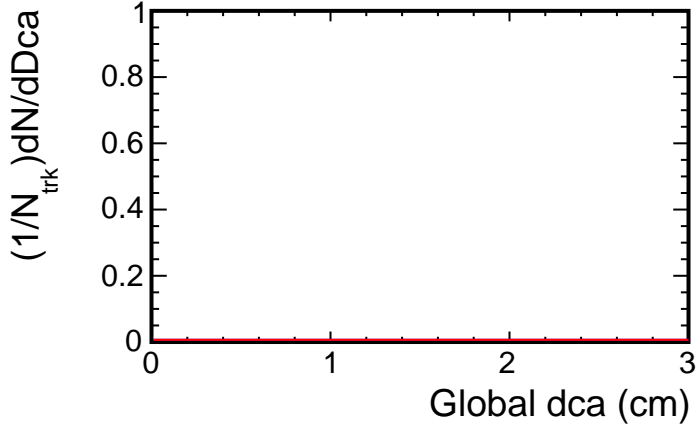
2, $1.5 < p_T < 2.0$ (GeV/c)



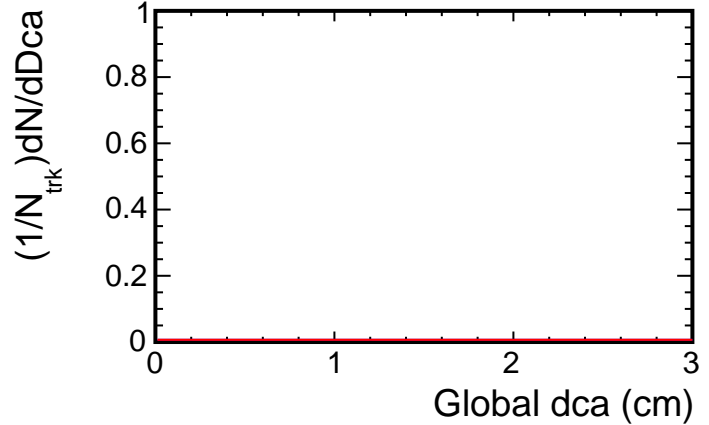
4, $1.5 < p_T < 2.0$ (GeV/c)



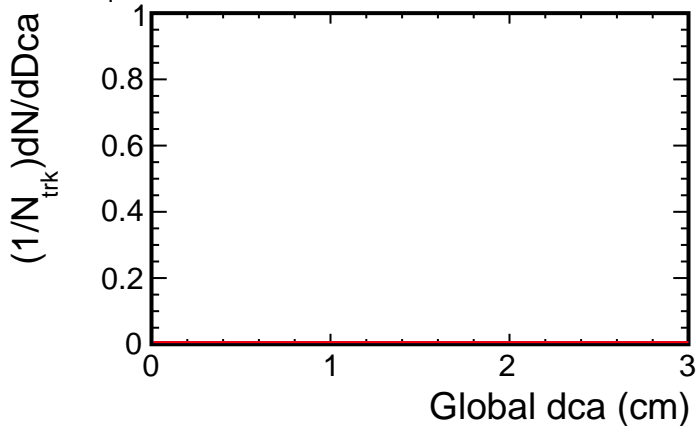
6, $1.5 < p_T < 2.0$ (GeV/c)



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



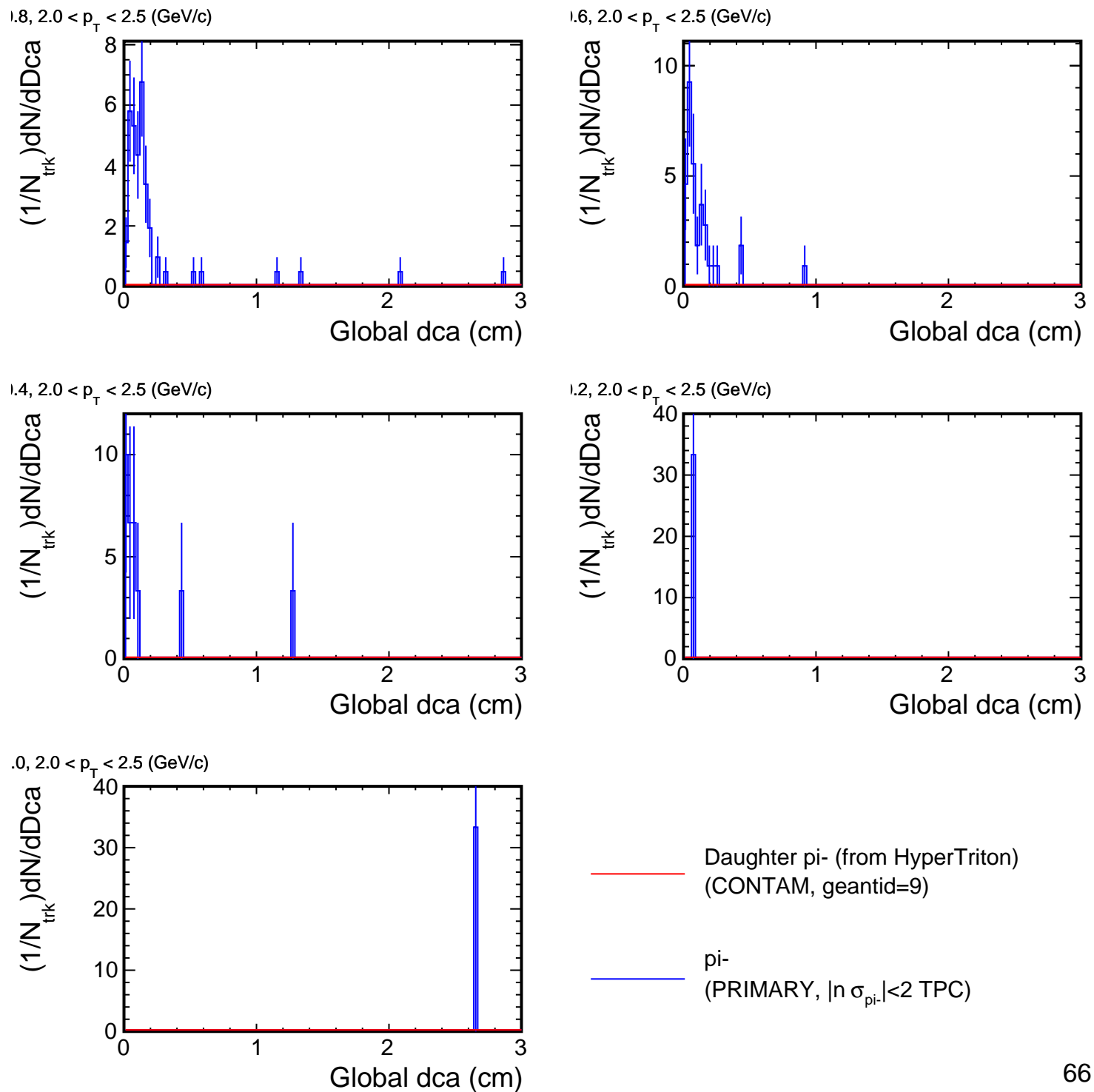
0, $1.5 < p_T < 2.0$ (GeV/c)



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

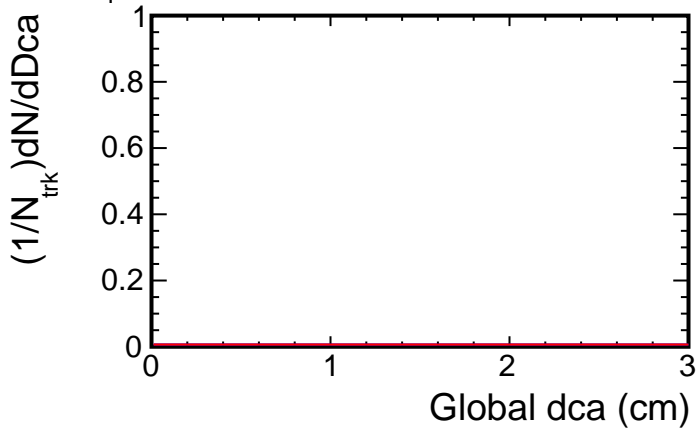
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices

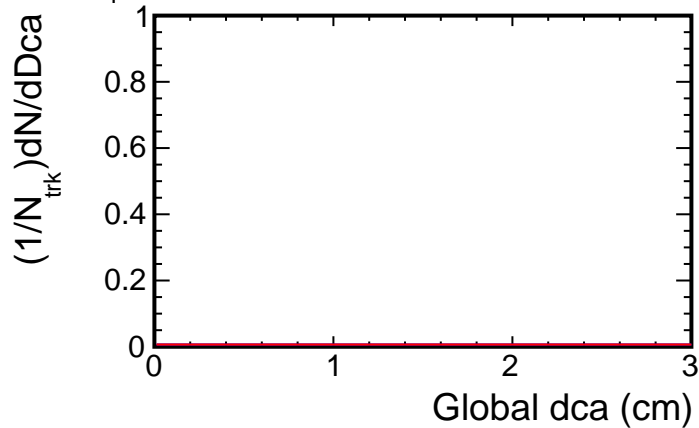


Dca distribution for (p_T , η) slices

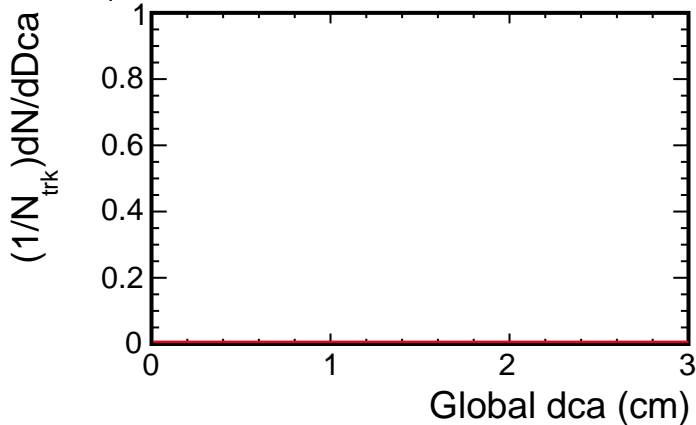
2, $2.0 < p_T < 2.5$ (GeV/c)



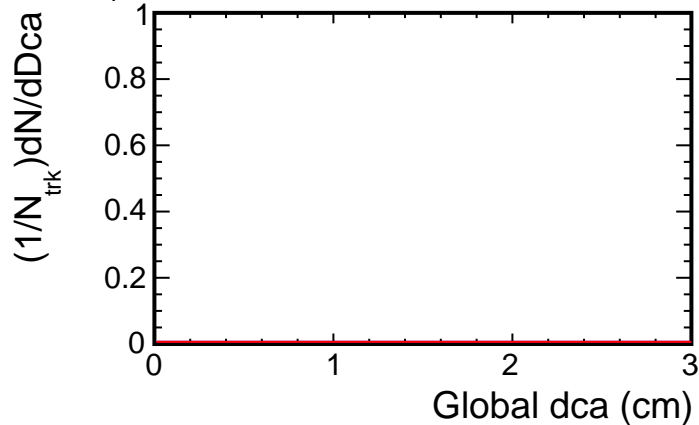
4, $2.0 < p_T < 2.5$ (GeV/c)



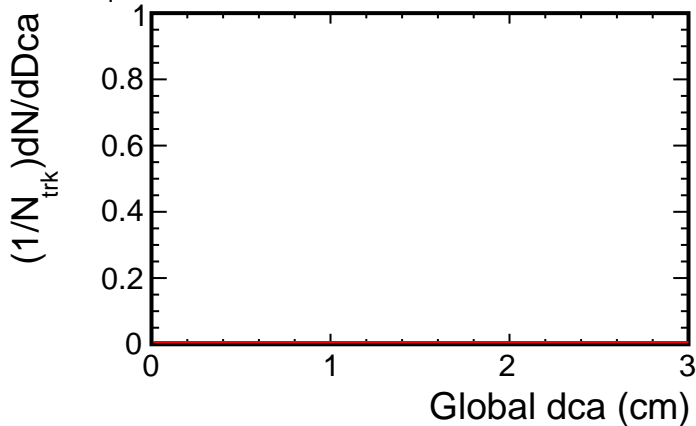
6, $2.0 < p_T < 2.5$ (GeV/c)



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



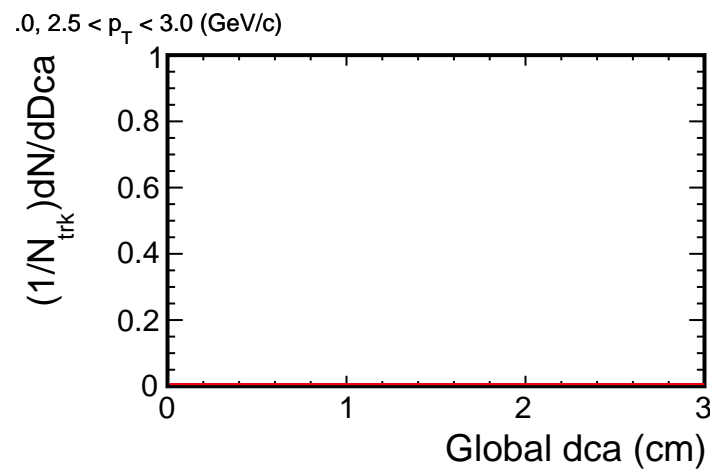
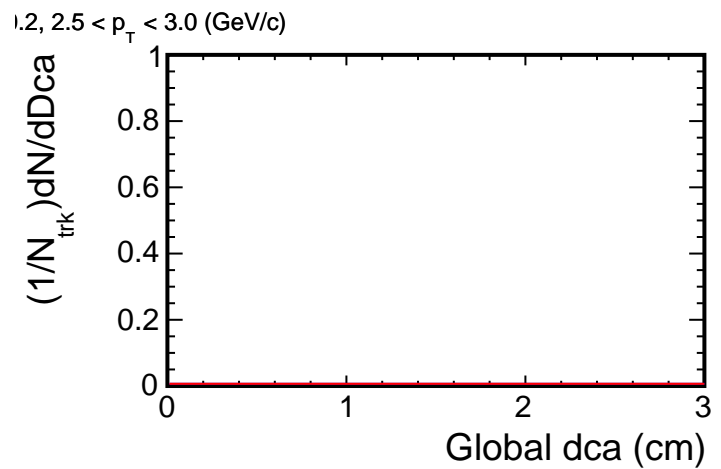
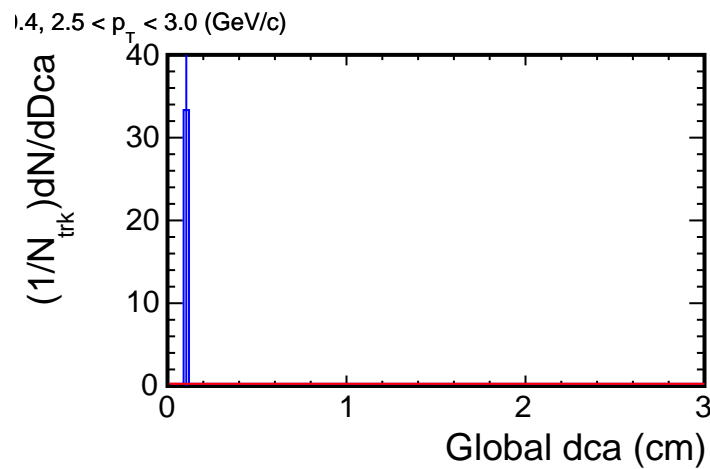
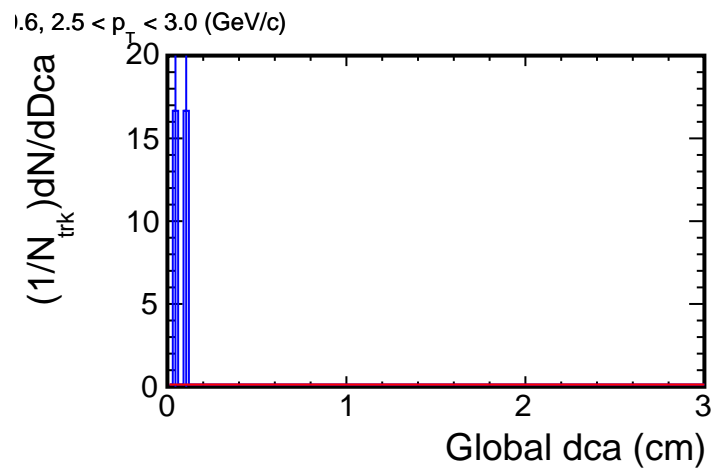
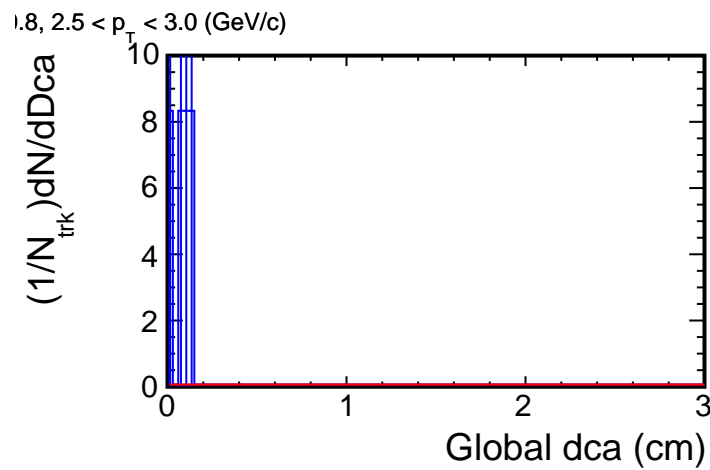
0, $2.0 < p_T < 2.5$ (GeV/c)



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

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

Dca distribution for (p_T , η) slices

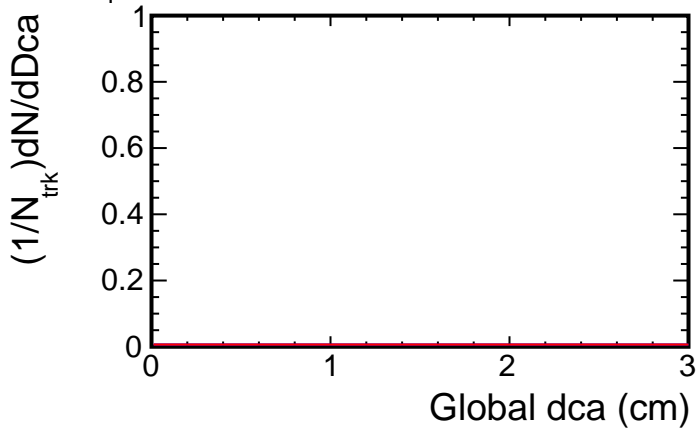


— Daughter π^- (from HyperTriton)
(CONTAM, geantid=9)

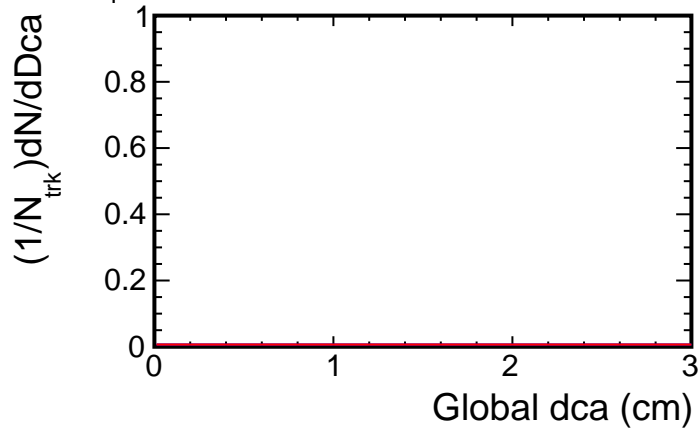
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices

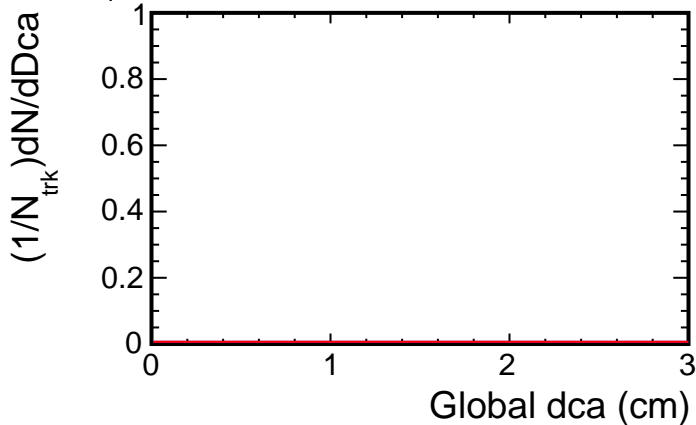
2, $2.5 < p_T < 3.0$ (GeV/c)



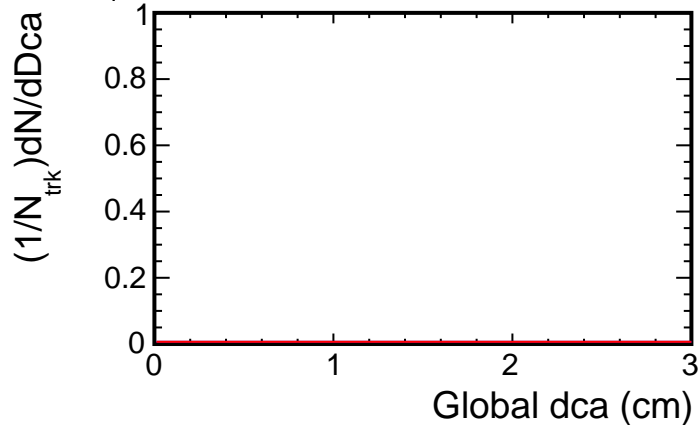
4, $2.5 < p_T < 3.0$ (GeV/c)



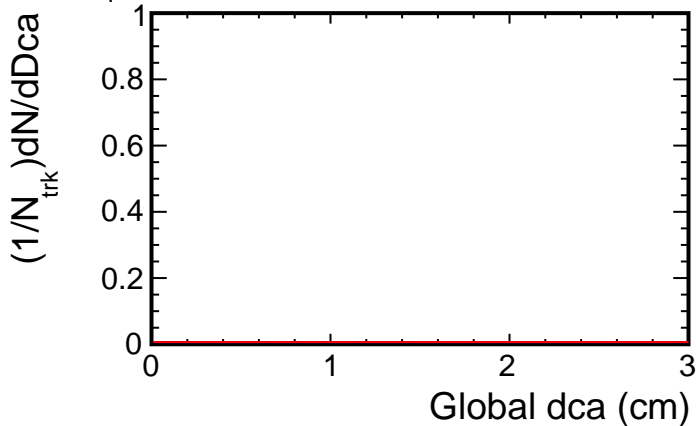
6, $2.5 < p_T < 3.0$ (GeV/c)



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



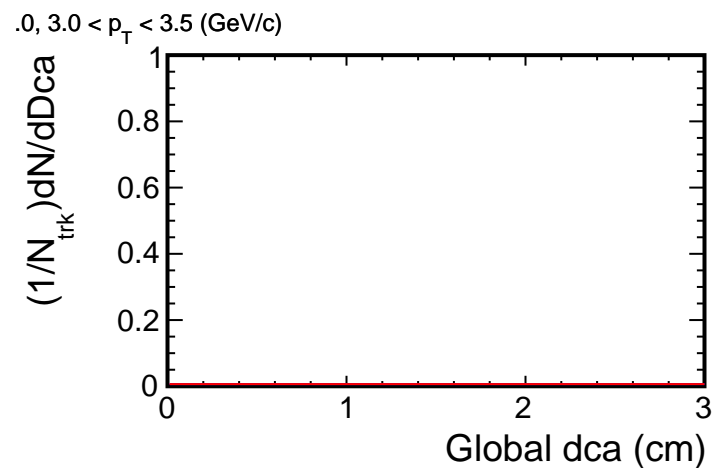
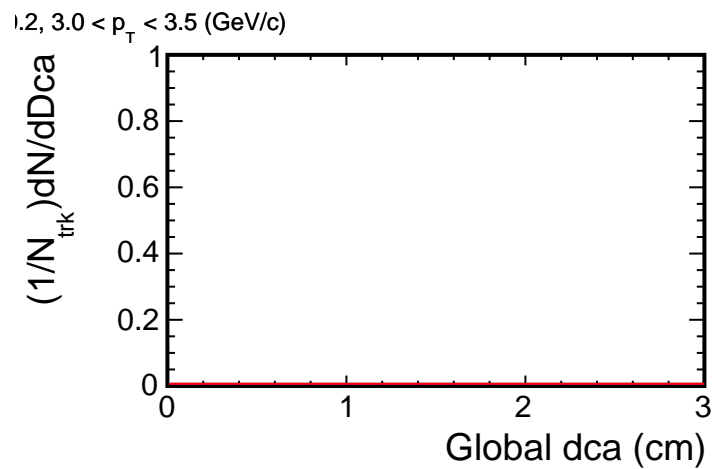
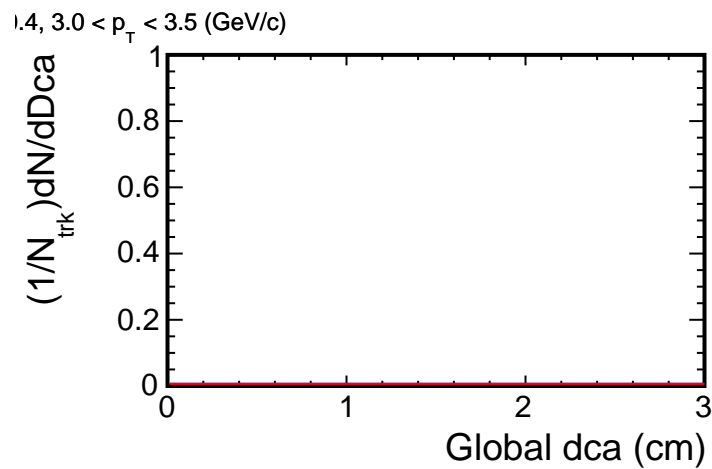
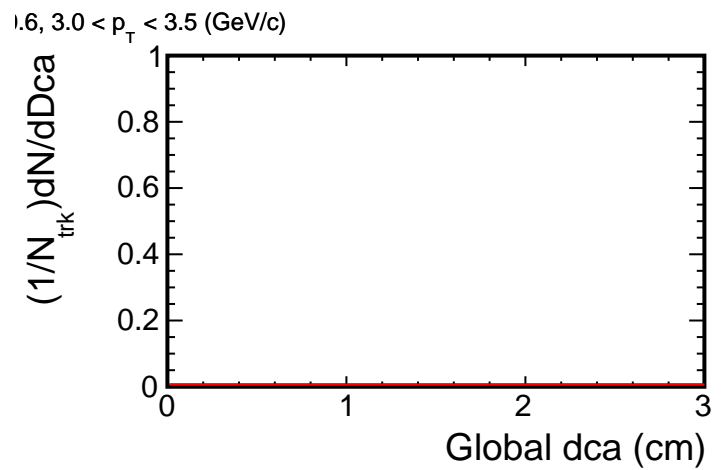
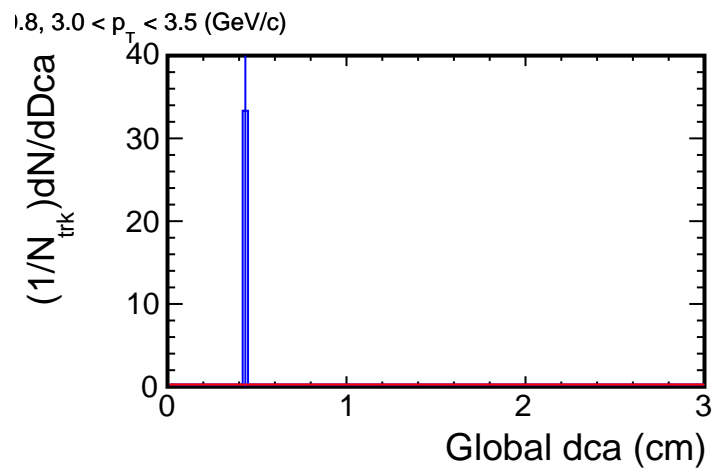
0, $2.5 < p_T < 3.0$ (GeV/c)



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

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

Dca distribution for (p_T , η) slices

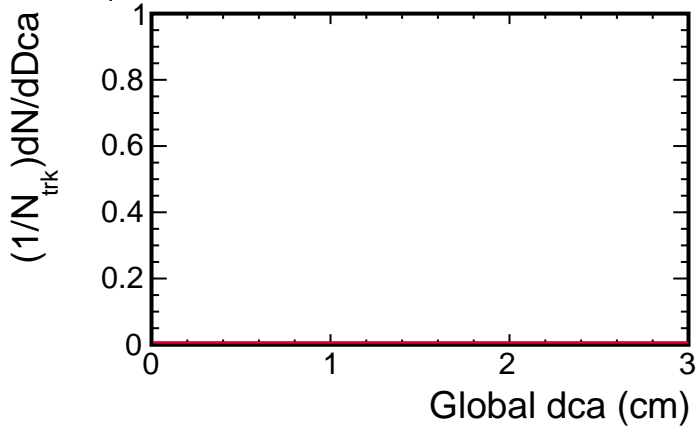


— Daughter π^- (from HyperTriton)
(CONTAM, geantid=9)

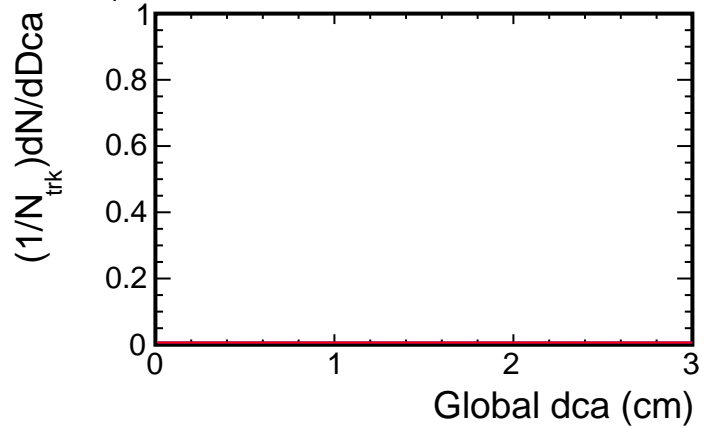
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices

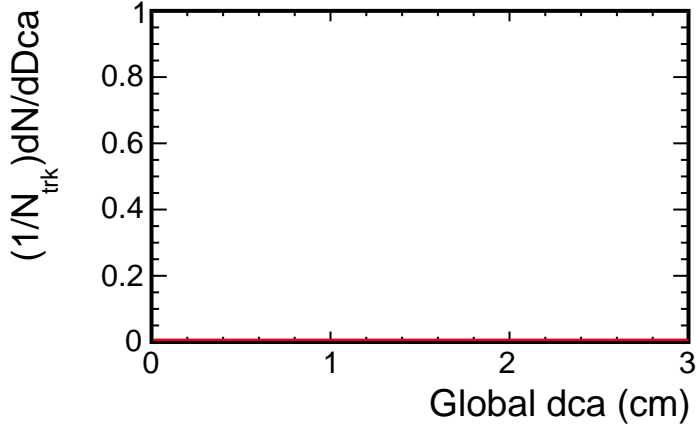
2, $3.0 < p_T < 3.5$ (GeV/c)



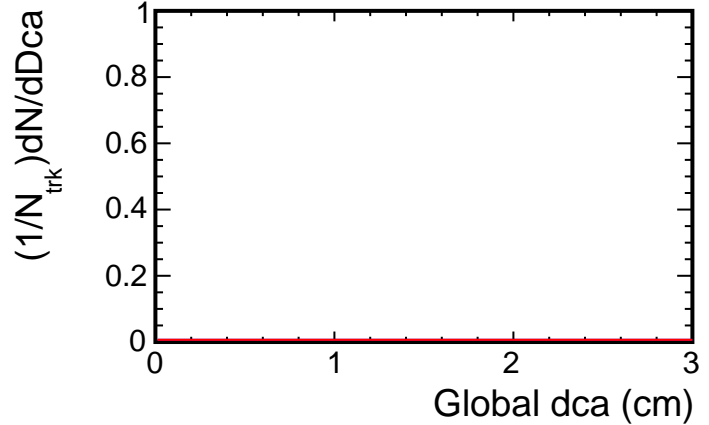
4, $3.0 < p_T < 3.5$ (GeV/c)



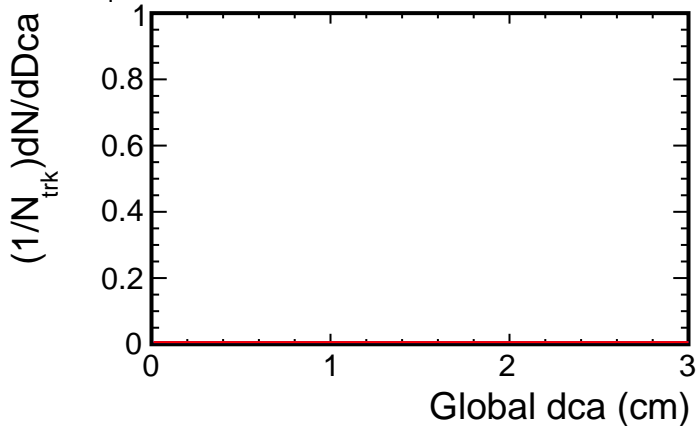
6, $3.0 < p_T < 3.5$ (GeV/c)



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



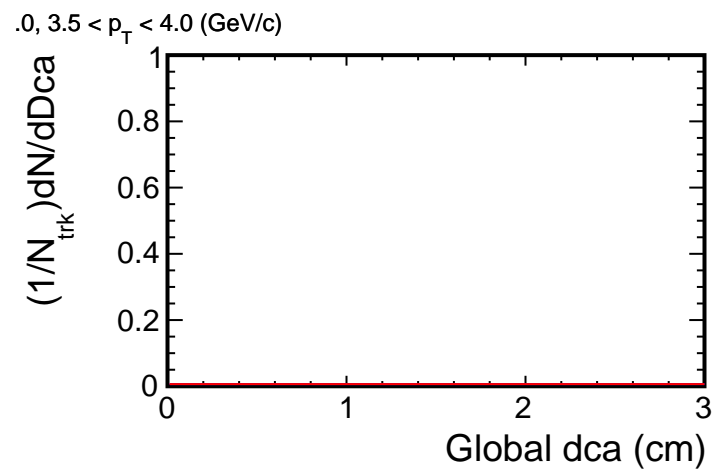
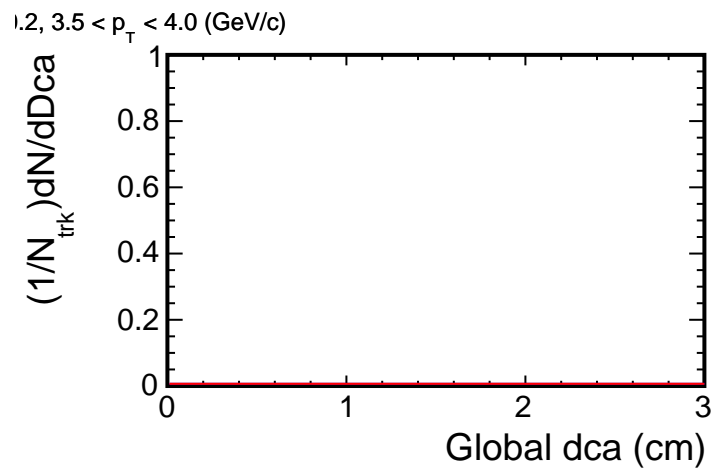
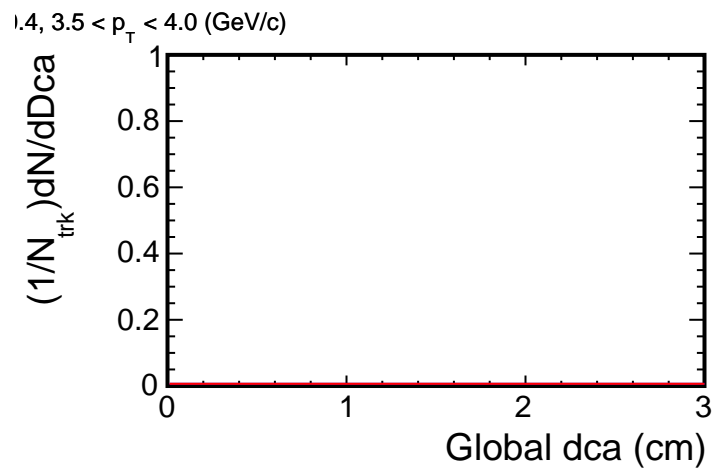
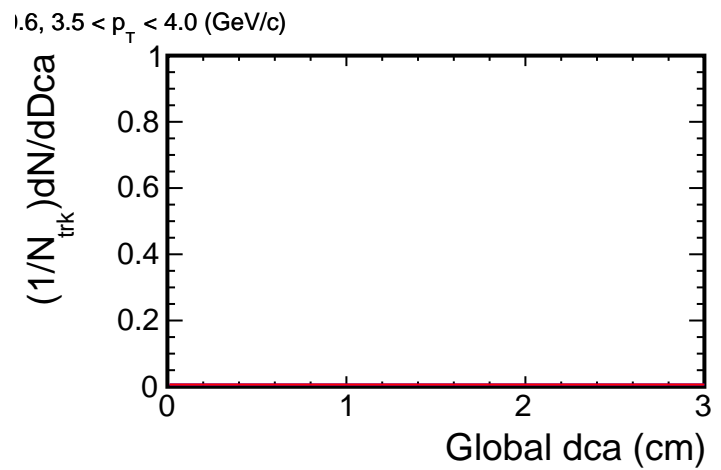
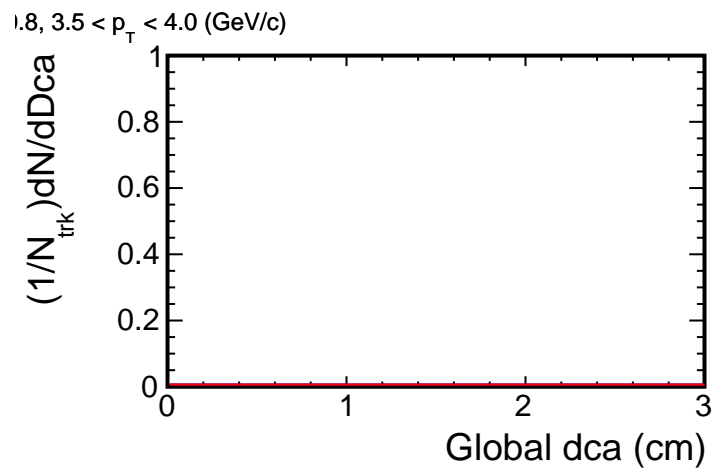
0, $3.0 < p_T < 3.5$ (GeV/c)



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

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

Dca distribution for (p_T , η) slices

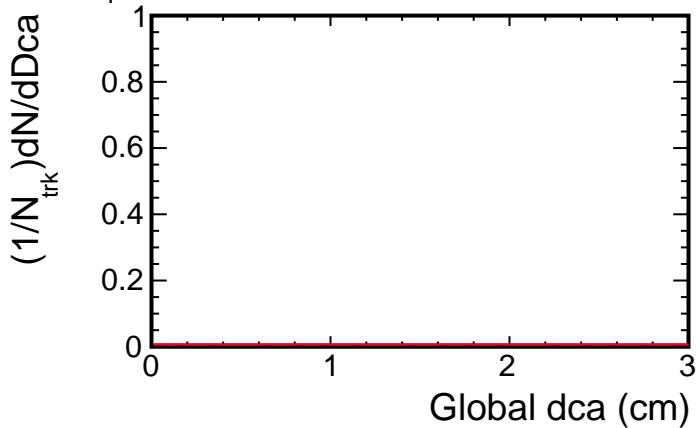


— Daughter π^- (from HyperTriton)
(CONTAM, geantid=9)

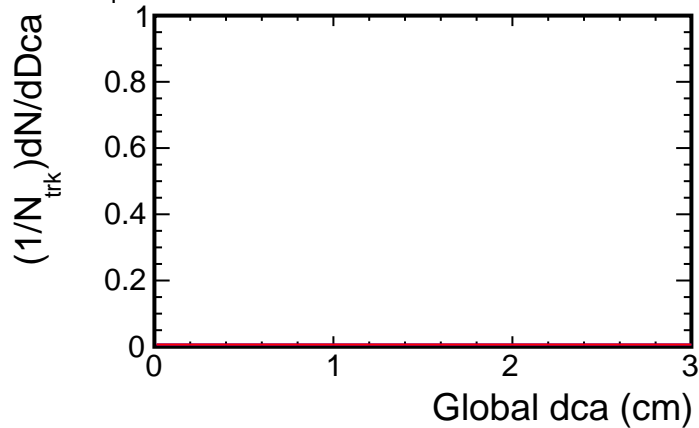
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices

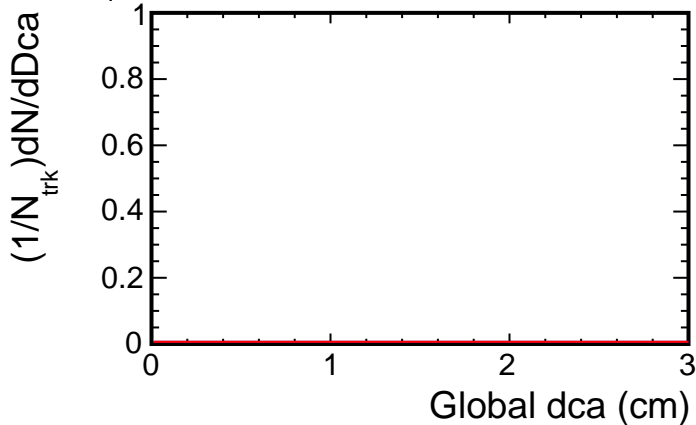
2, $3.5 < p_T < 4.0$ (GeV/c)



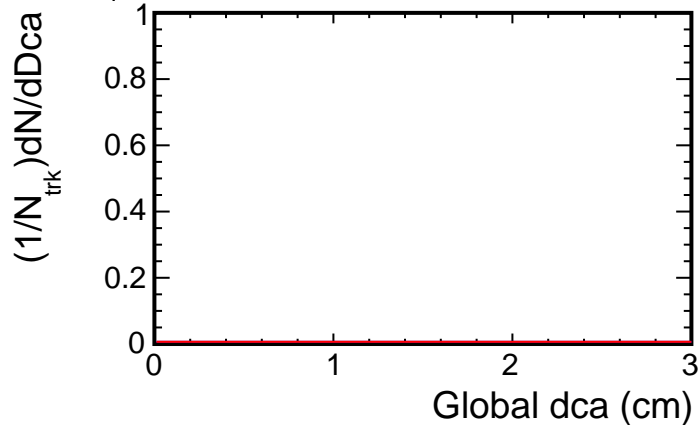
4, $3.5 < p_T < 4.0$ (GeV/c)



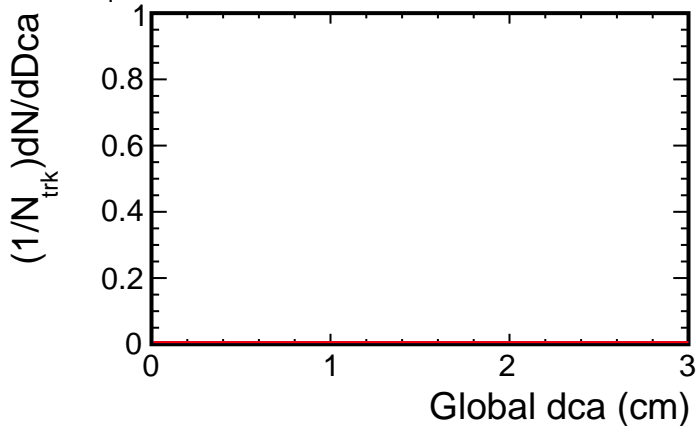
6, $3.5 < p_T < 4.0$ (GeV/c)



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



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

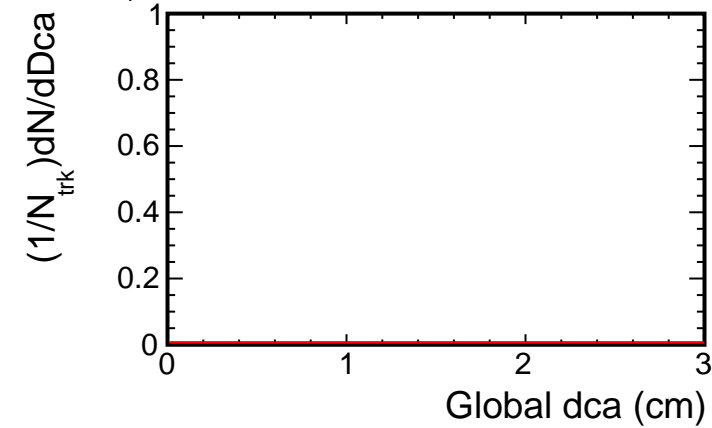


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

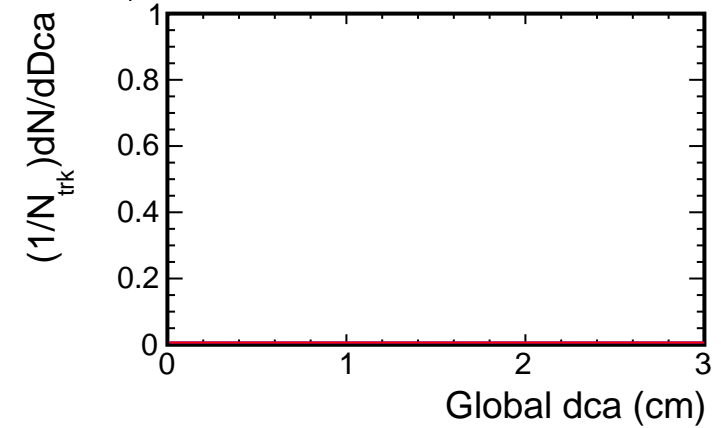
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices

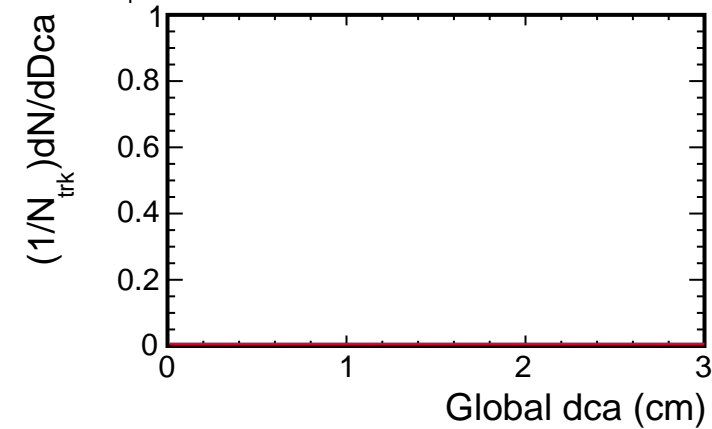
1.8, $4.0 < p_T < 4.5$ (GeV/c)



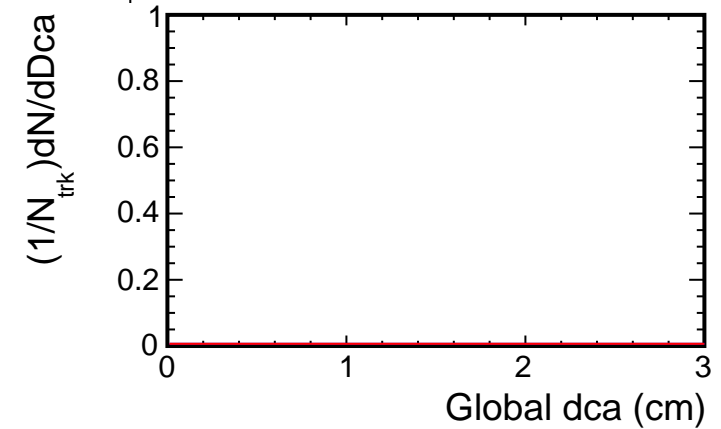
1.6, $4.0 < p_T < 4.5$ (GeV/c)



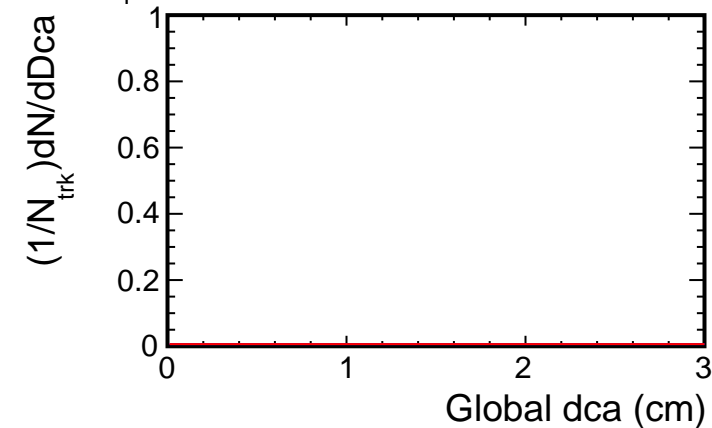
1.4, $4.0 < p_T < 4.5$ (GeV/c)



1.2, $4.0 < p_T < 4.5$ (GeV/c)



1.0, $4.0 < p_T < 4.5$ (GeV/c)

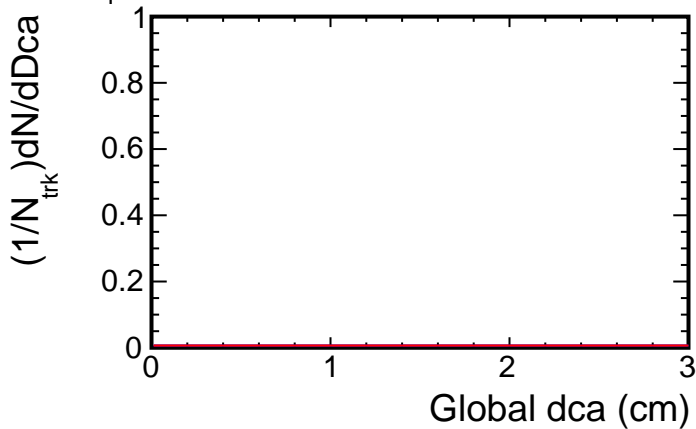


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

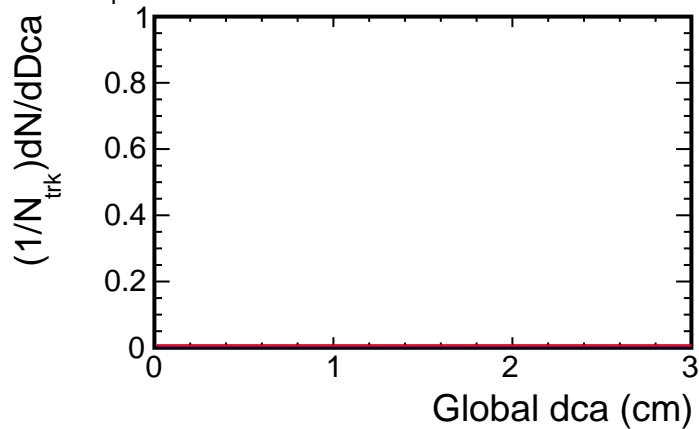
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices

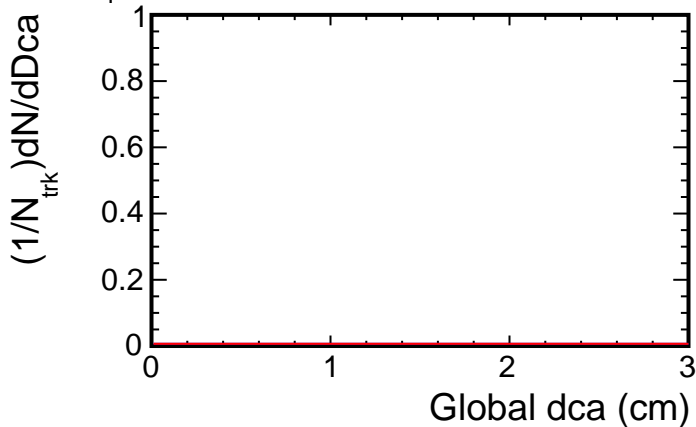
2, $4.0 < p_T < 4.5$ (GeV/c)



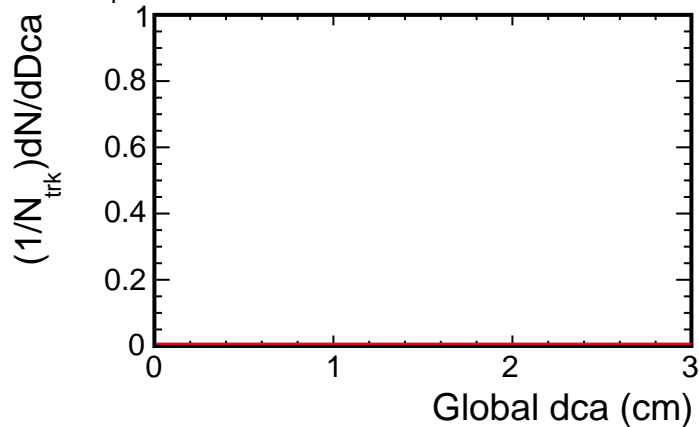
4, $4.0 < p_T < 4.5$ (GeV/c)



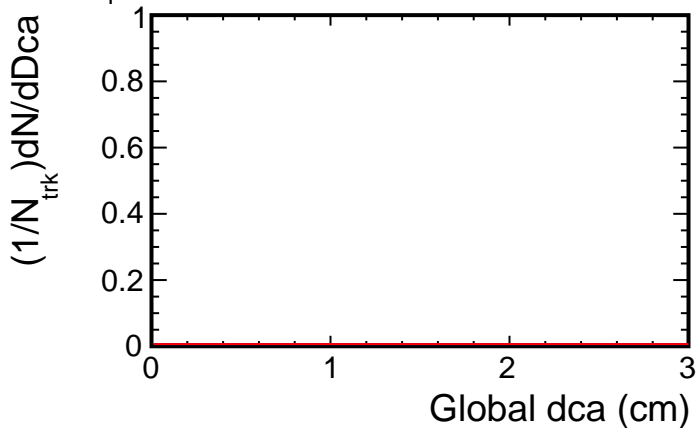
6, $4.0 < p_T < 4.5$ (GeV/c)



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



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

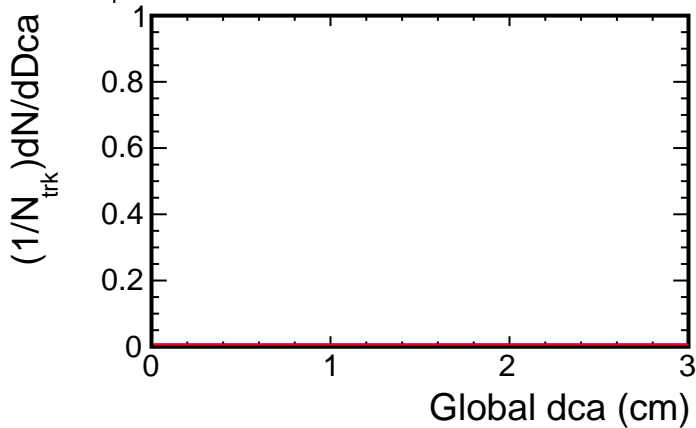


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

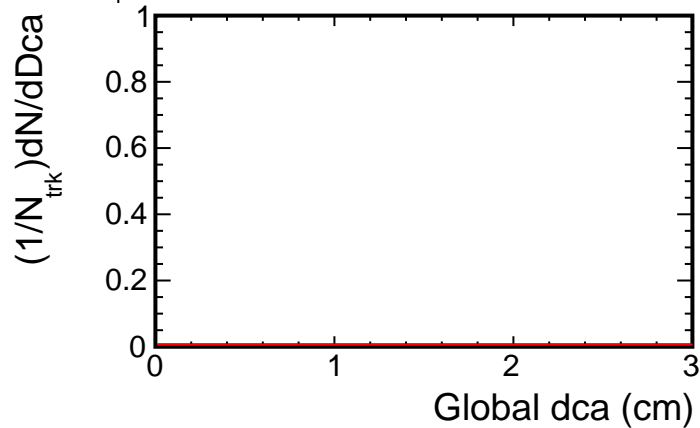
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices

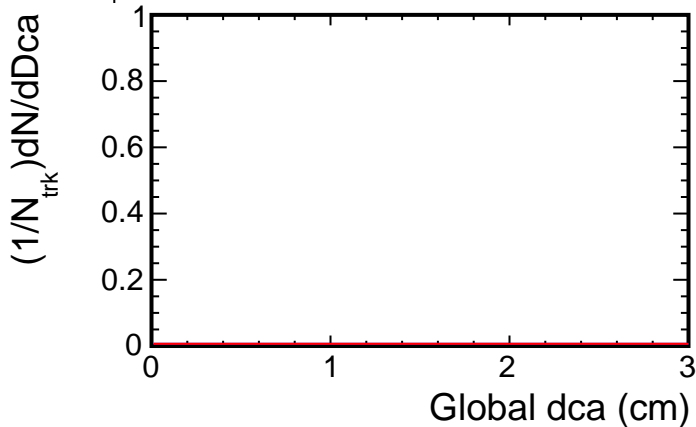
1.8, $4.5 < p_T < 5.0$ (GeV/c)



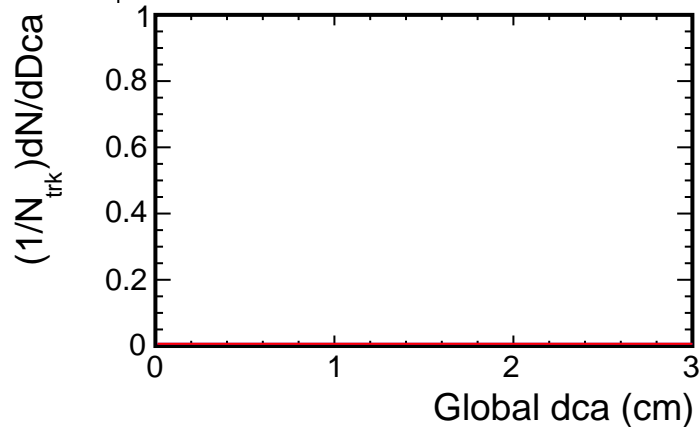
1.6, $4.5 < p_T < 5.0$ (GeV/c)



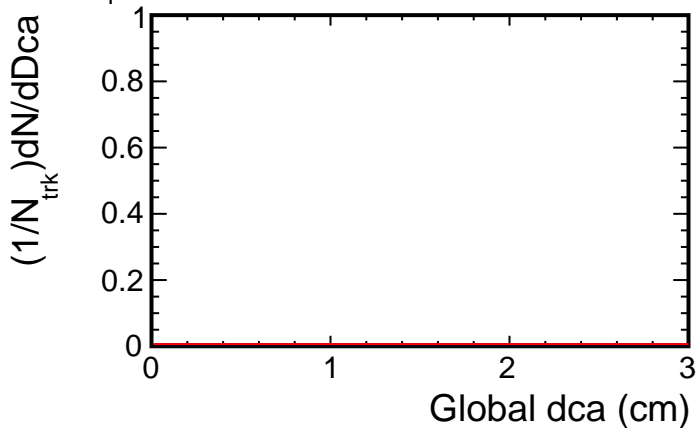
1.4, $4.5 < p_T < 5.0$ (GeV/c)



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



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

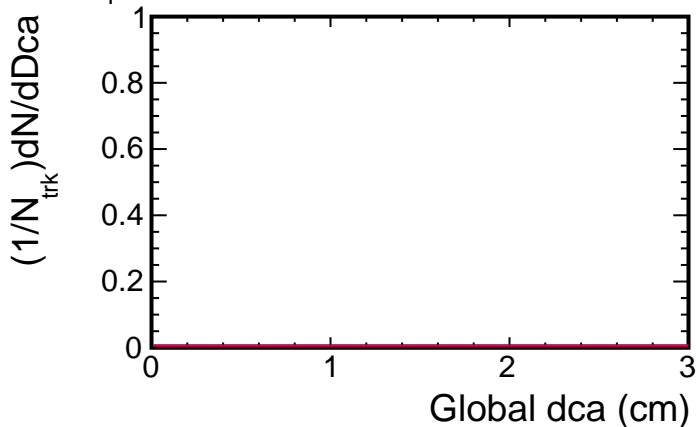


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

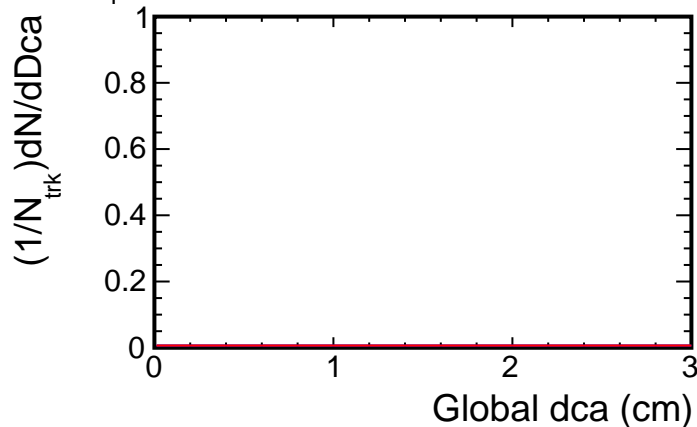
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices

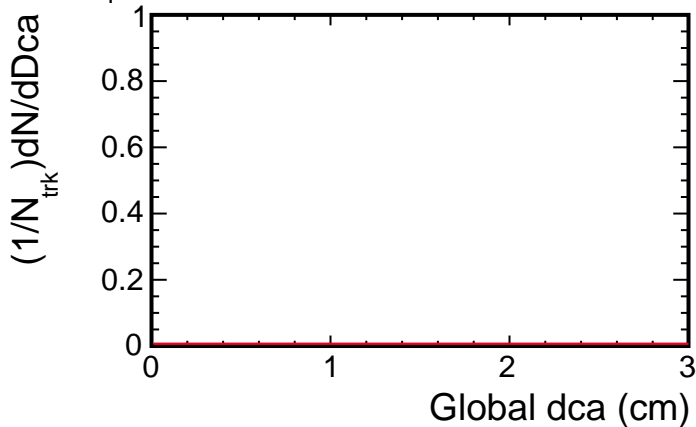
2, $4.5 < p_T < 5.0$ (GeV/c)



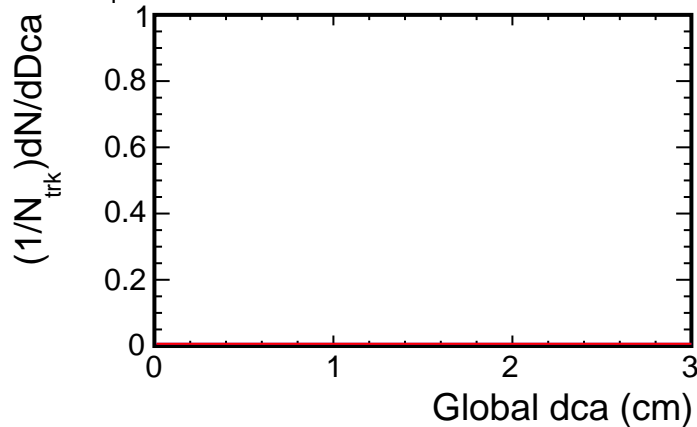
4, $4.5 < p_T < 5.0$ (GeV/c)



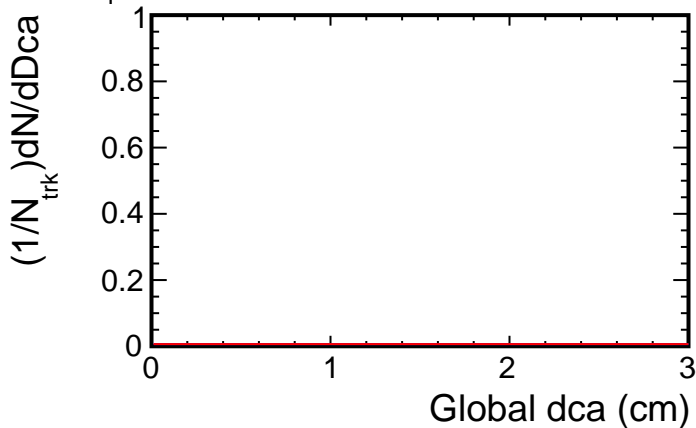
6, $4.5 < p_T < 5.0$ (GeV/c)



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



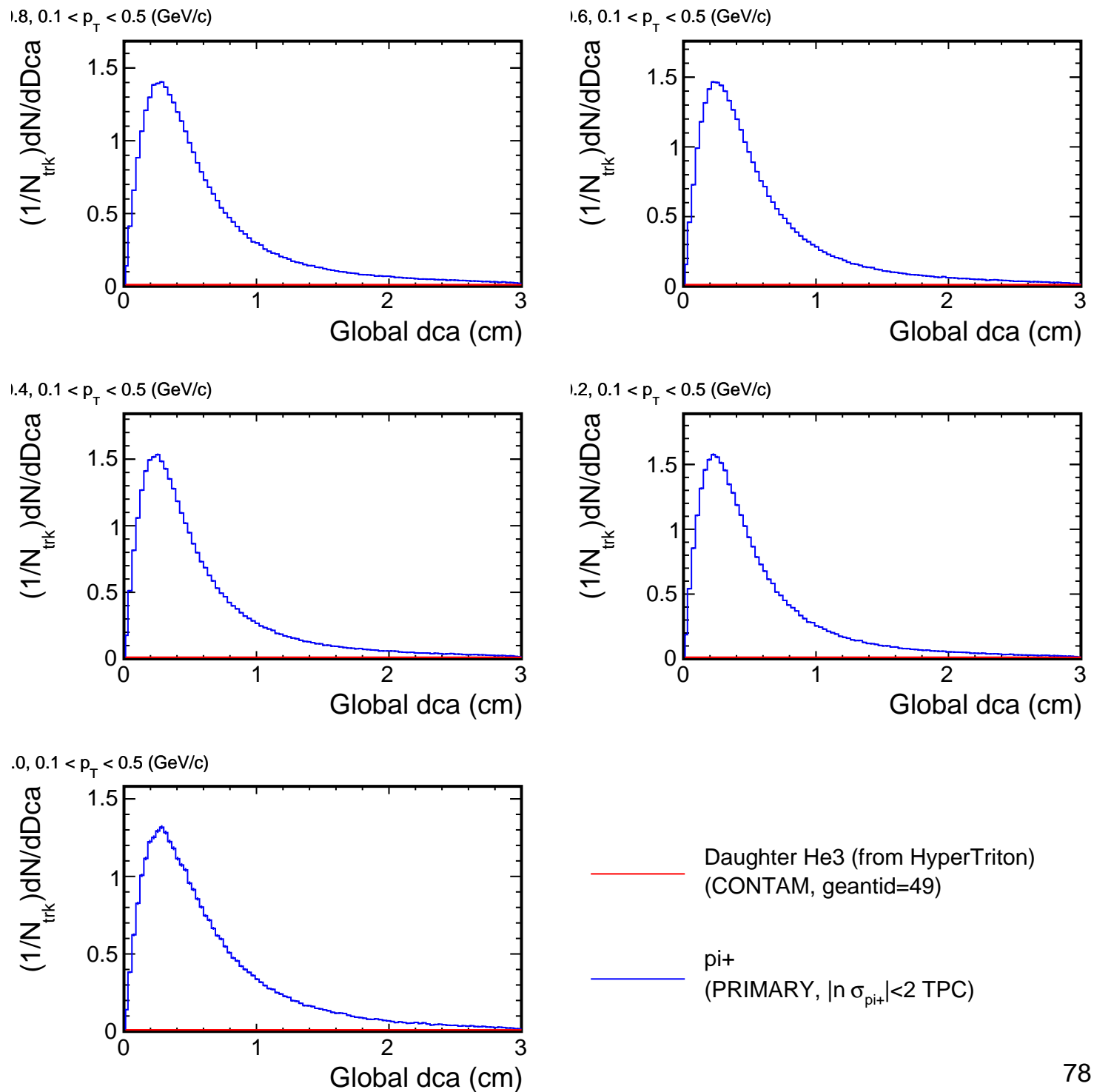
0, $4.5 < p_T < 5.0$ (GeV/c)



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

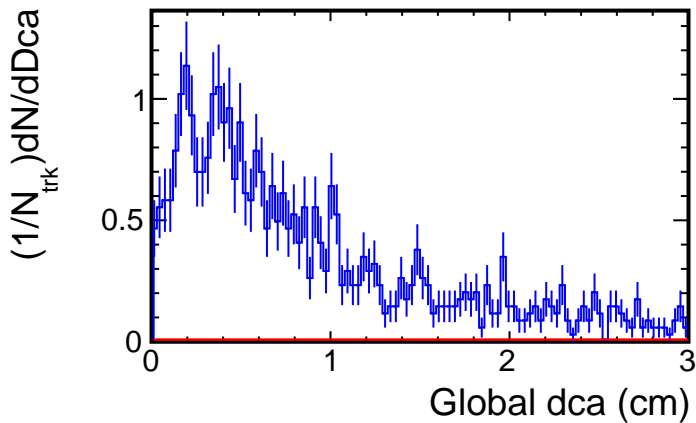
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices

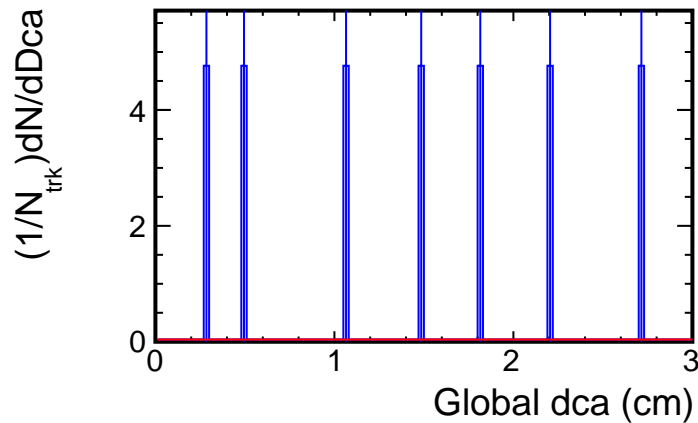


Dca distribution for (p_T , η) slices

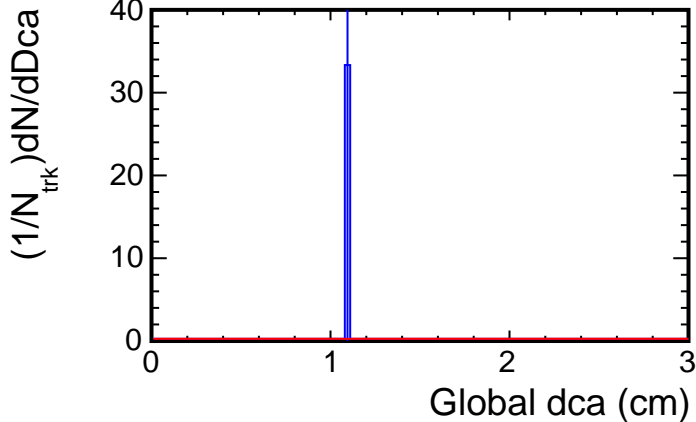
2, $0.1 < p_T < 0.5$ (GeV/c)



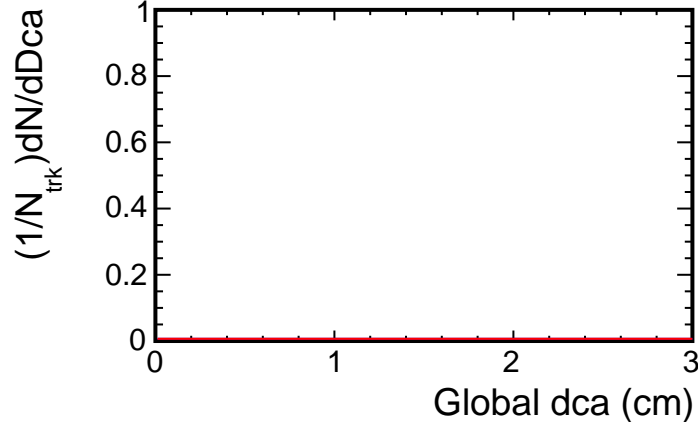
4, $0.1 < p_T < 0.5$ (GeV/c)



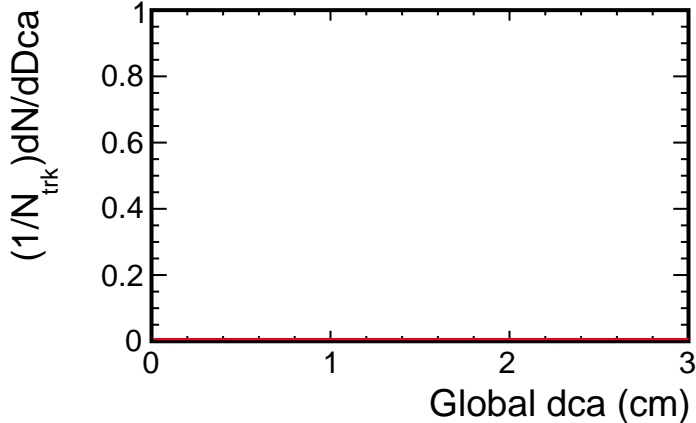
6, $0.1 < p_T < 0.5$ (GeV/c)



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



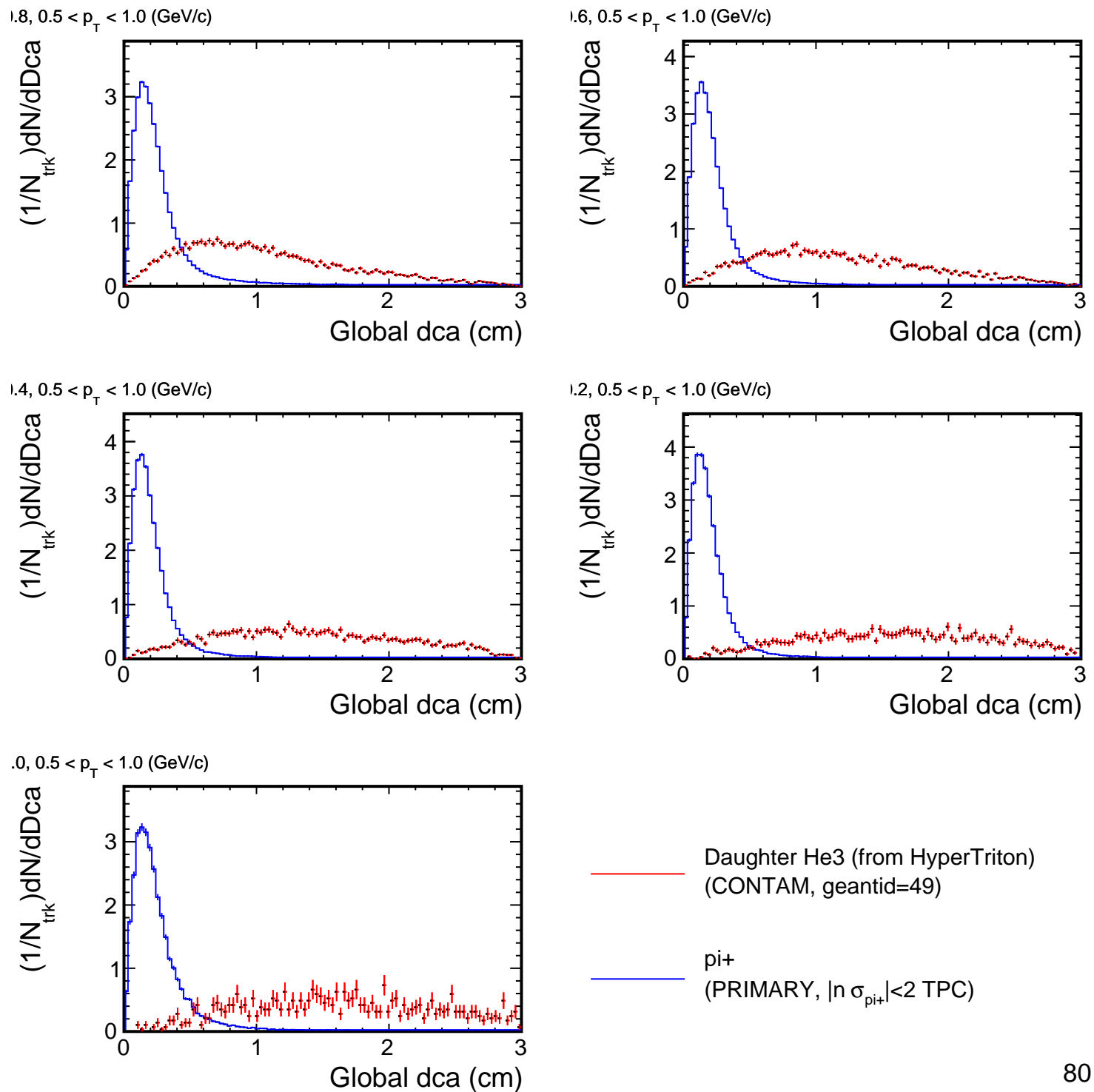
0, $0.1 < p_T < 0.5$ (GeV/c)



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

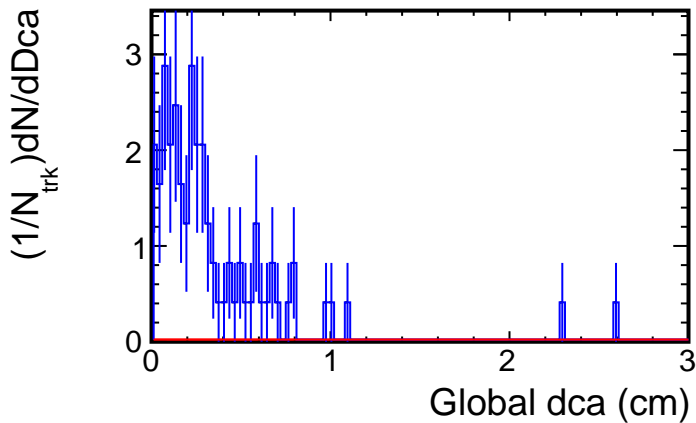
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices

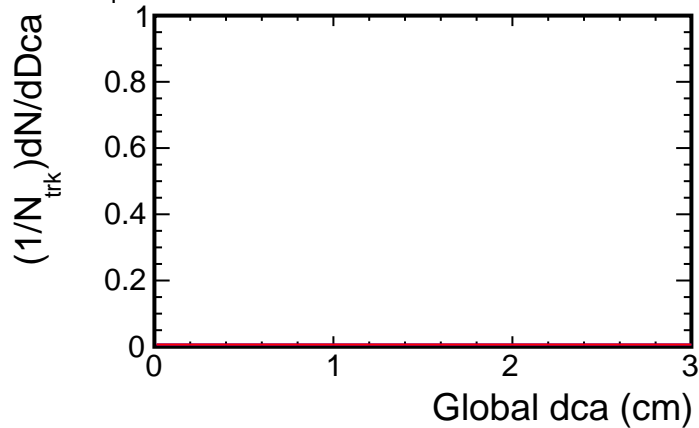


Dca distribution for (p_T , η) slices

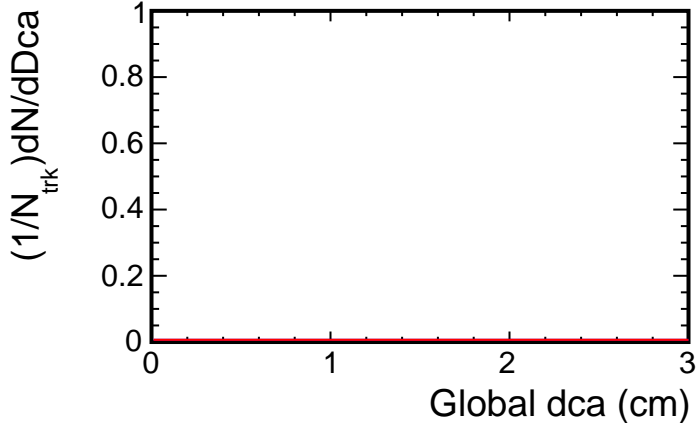
2, $0.5 < p_T < 1.0$ (GeV/c)



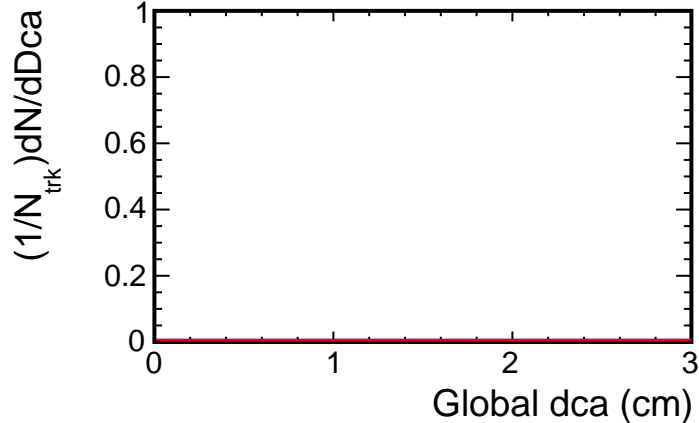
4, $0.5 < p_T < 1.0$ (GeV/c)



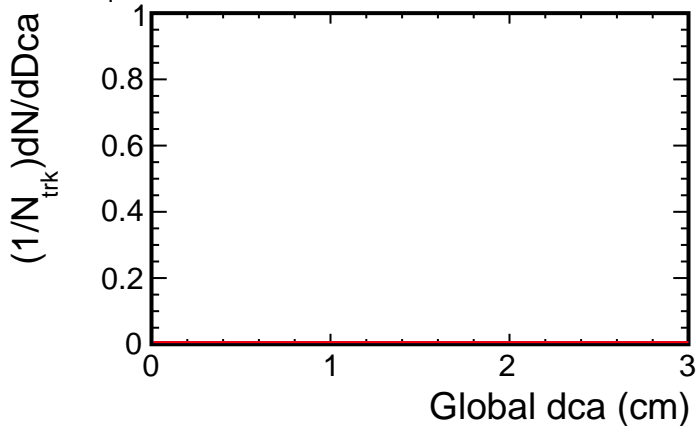
6, $0.5 < p_T < 1.0$ (GeV/c)



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



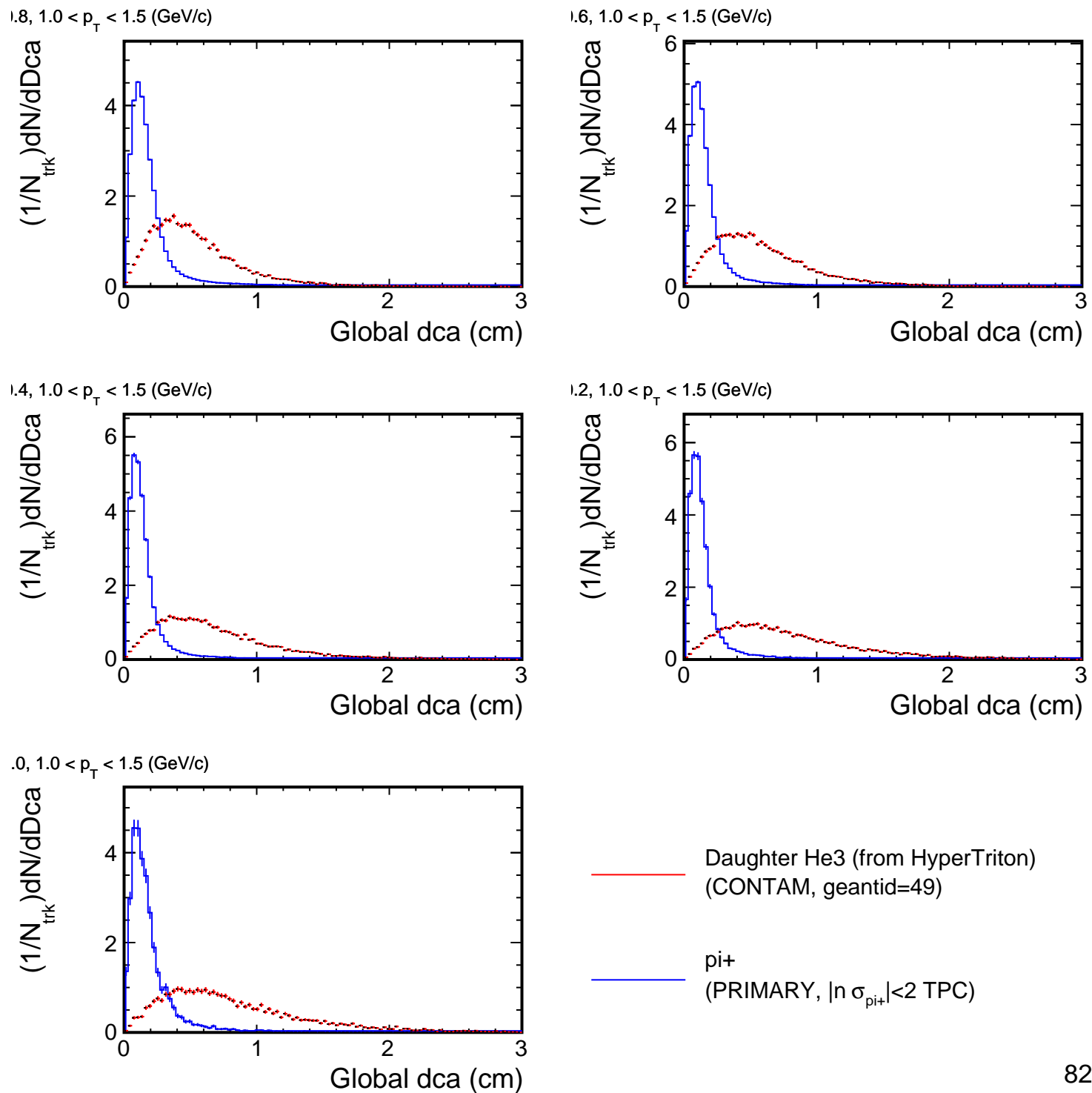
0, $0.5 < p_T < 1.0$ (GeV/c)



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

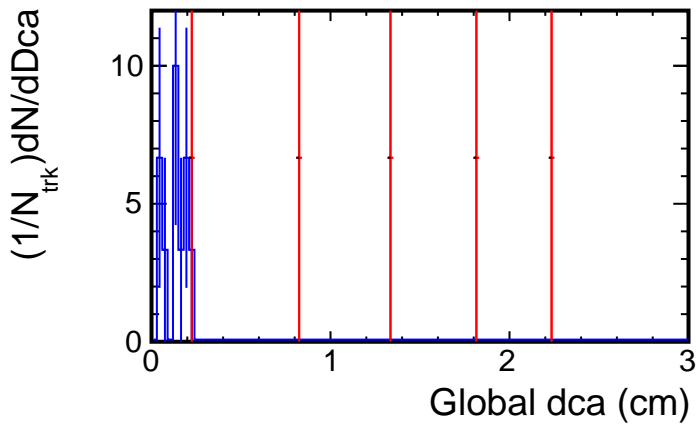
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices

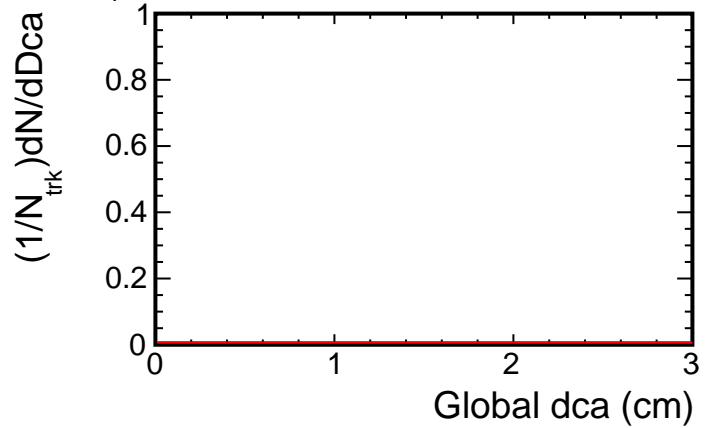


Dca distribution for (p_T , η) slices

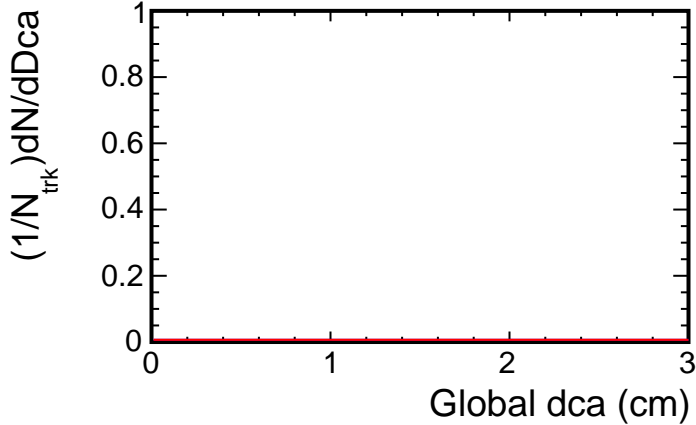
2, $1.0 < p_T < 1.5$ (GeV/c)



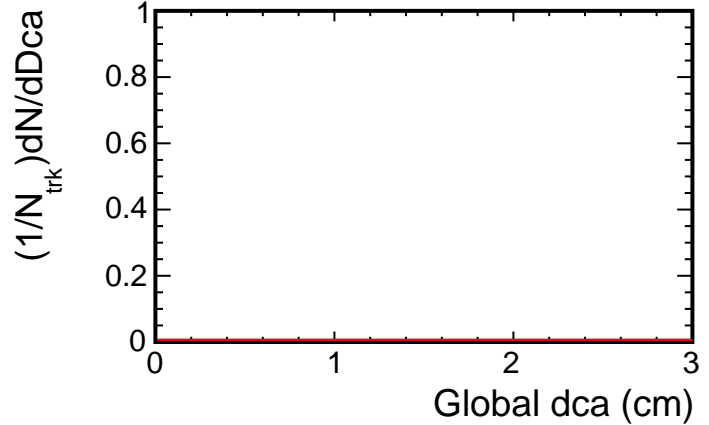
4, $1.0 < p_T < 1.5$ (GeV/c)



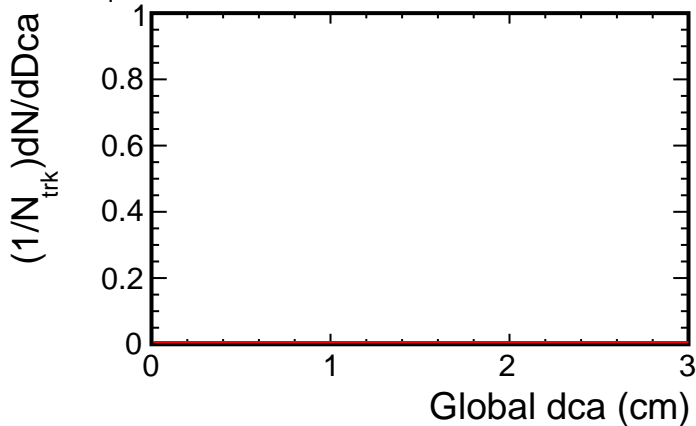
6, $1.0 < p_T < 1.5$ (GeV/c)



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



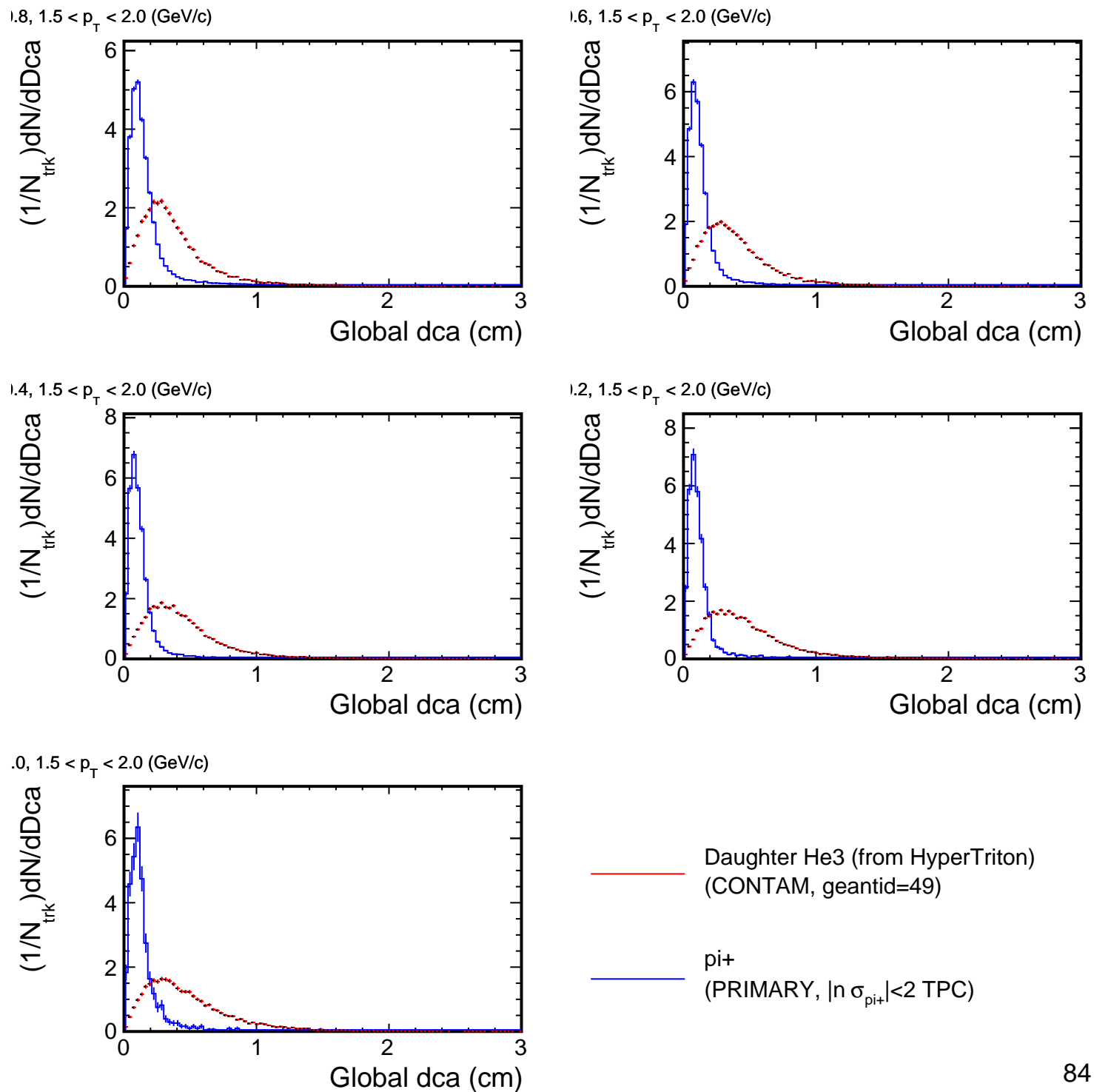
0, $1.0 < p_T < 1.5$ (GeV/c)



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

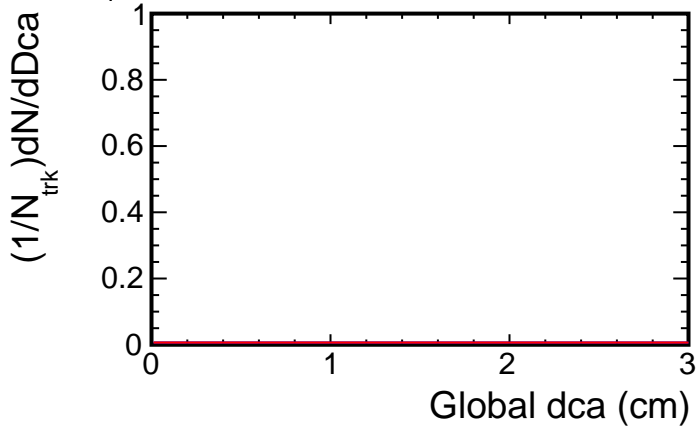
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices

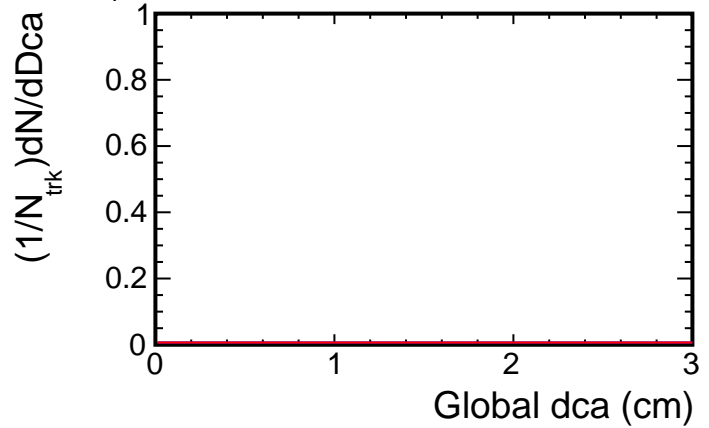


Dca distribution for (p_T , η) slices

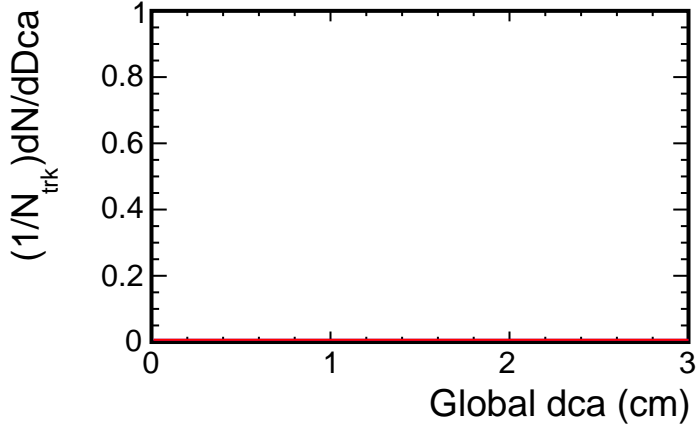
2, $1.5 < p_T < 2.0$ (GeV/c)



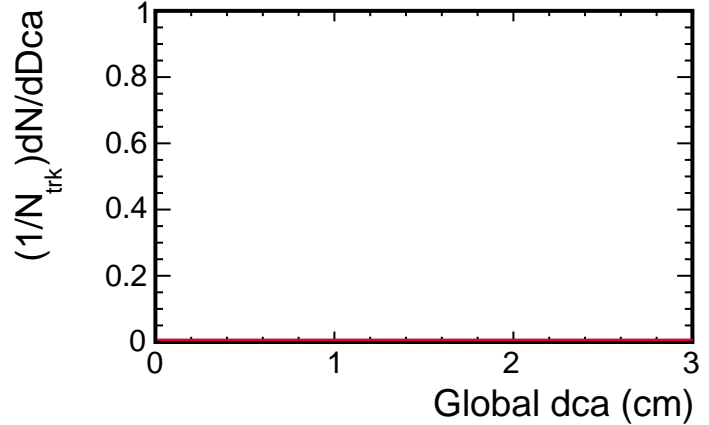
4, $1.5 < p_T < 2.0$ (GeV/c)



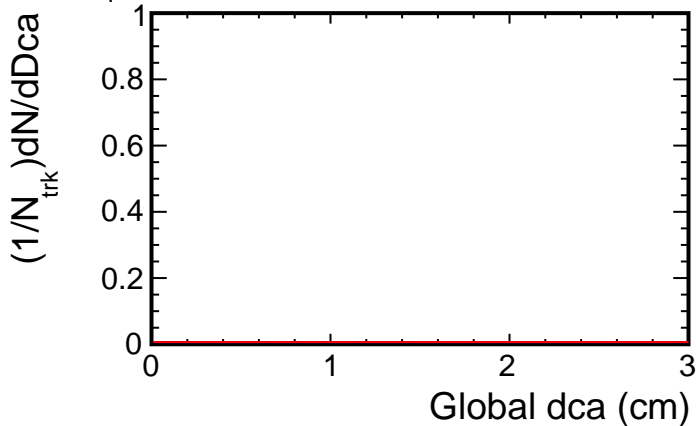
6, $1.5 < p_T < 2.0$ (GeV/c)



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



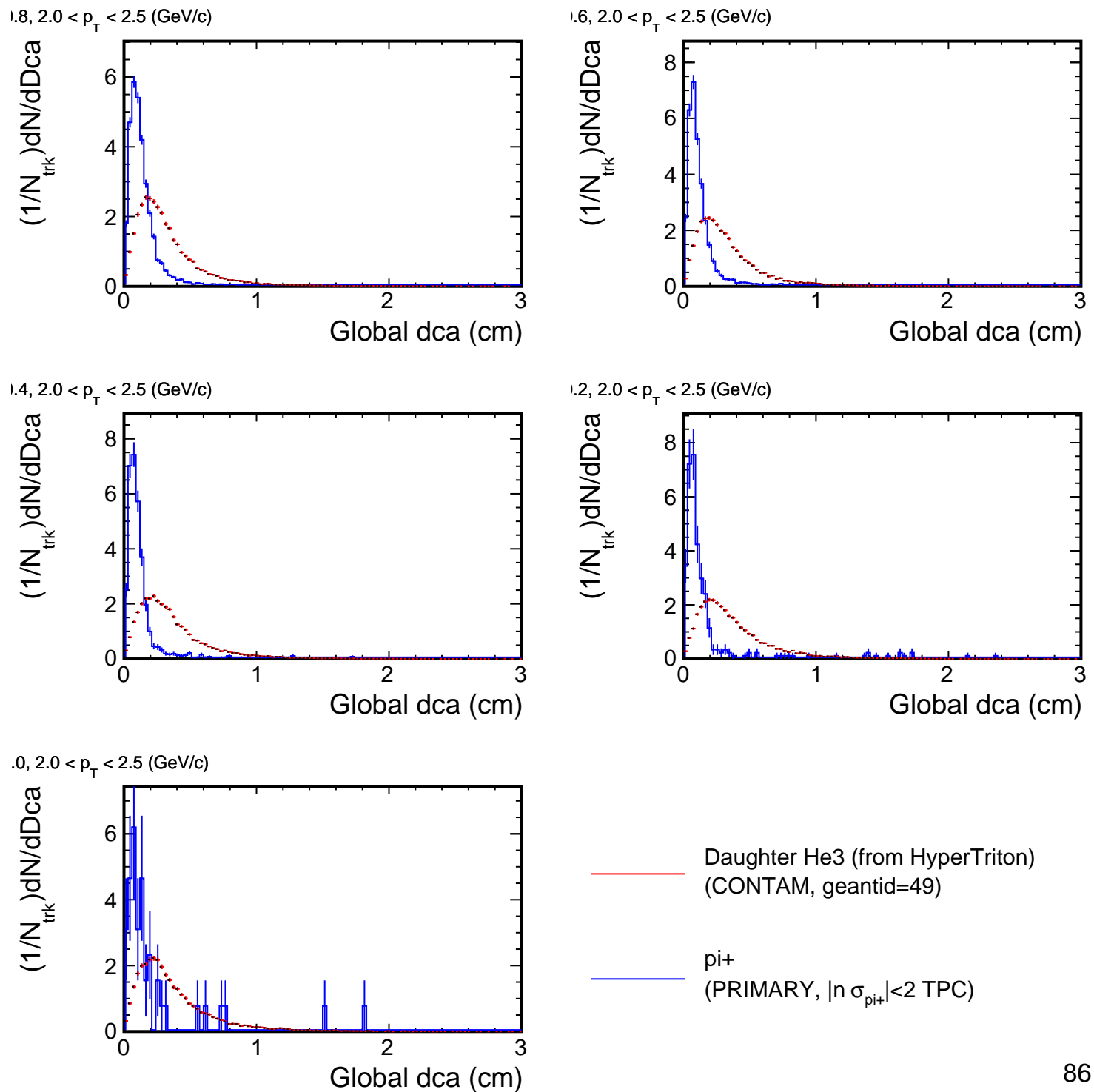
0, $1.5 < p_T < 2.0$ (GeV/c)



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

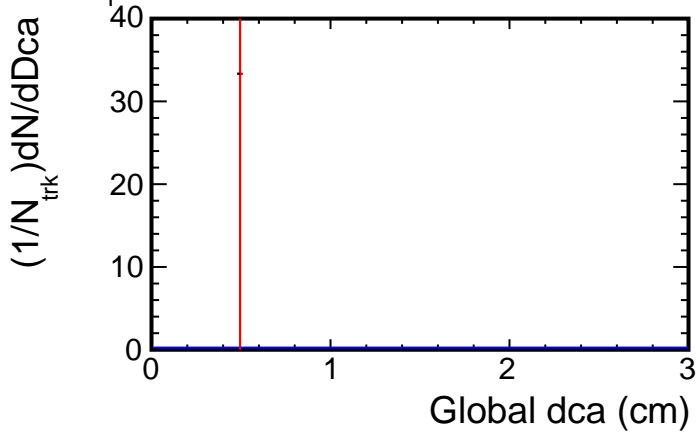
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices

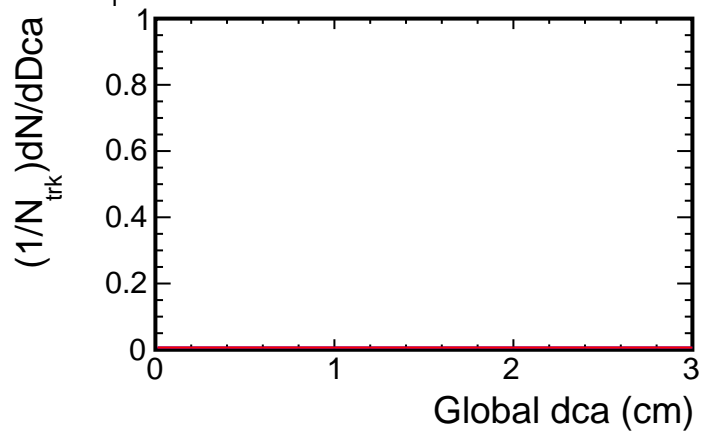


Dca distribution for (p_T , η) slices

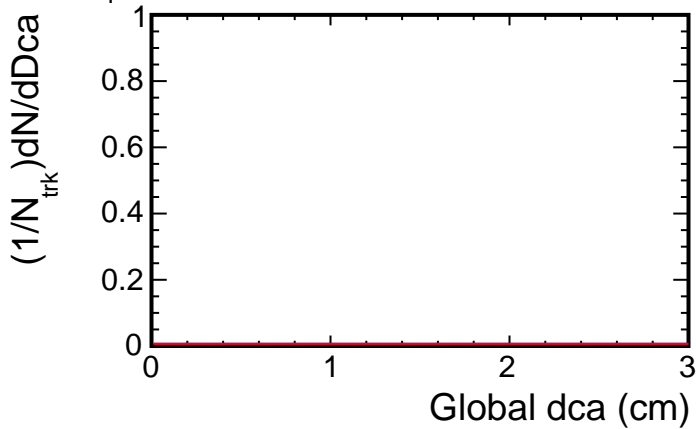
2, $2.0 < p_T < 2.5$ (GeV/c)



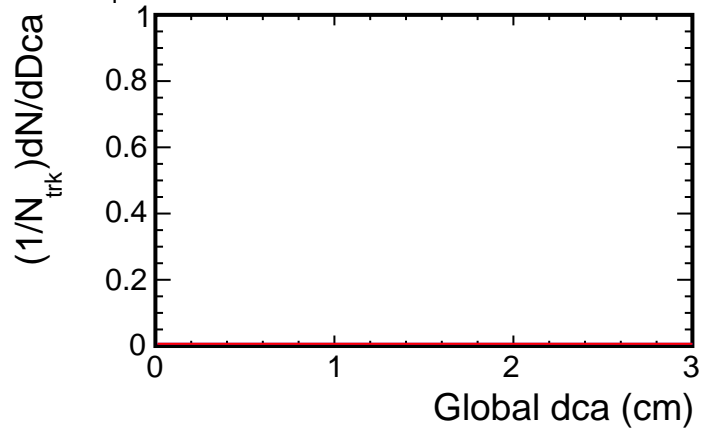
4, $2.0 < p_T < 2.5$ (GeV/c)



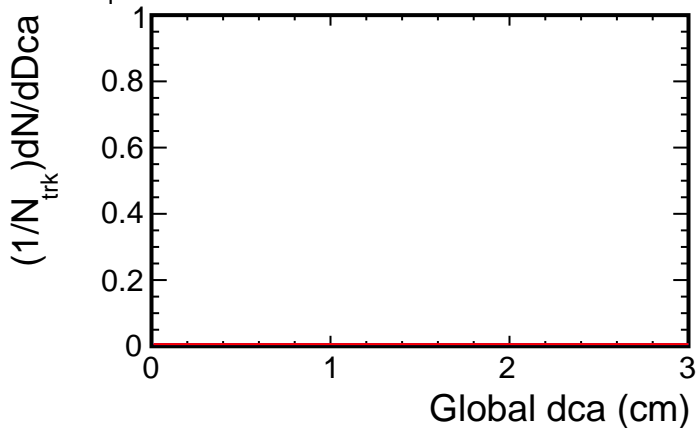
6, $2.0 < p_T < 2.5$ (GeV/c)



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



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

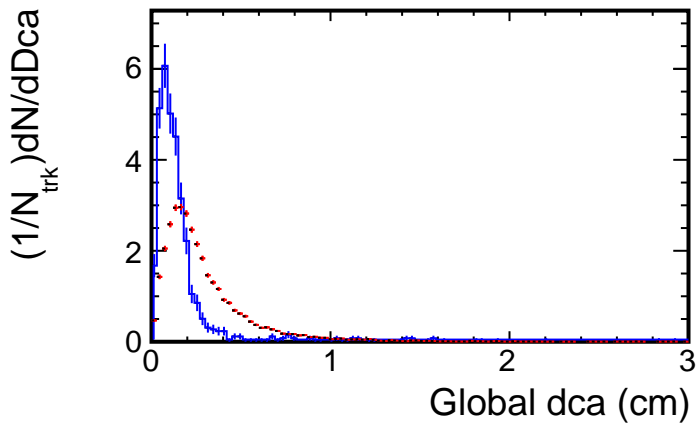


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

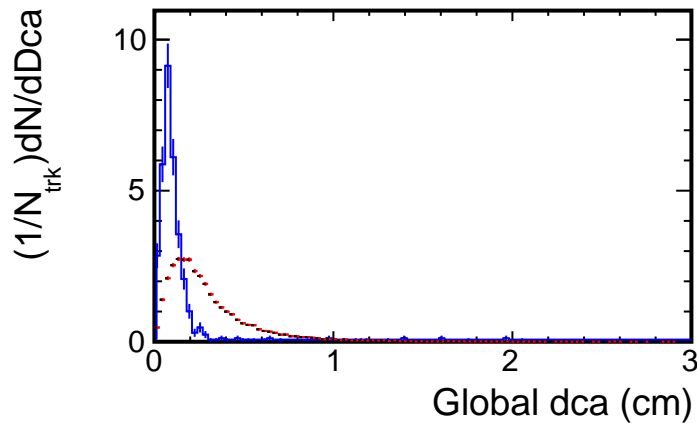
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices

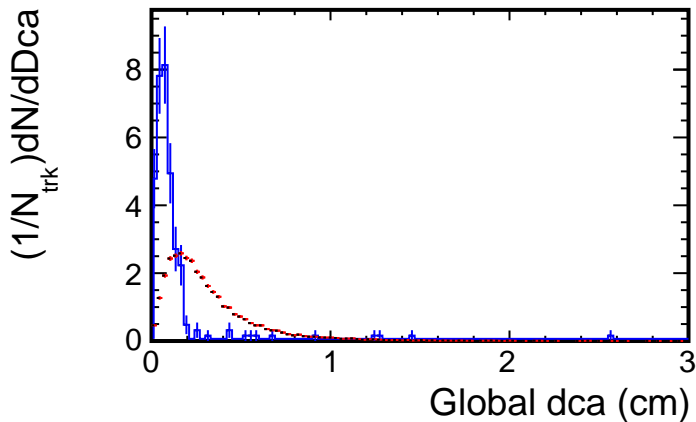
1.8, $2.5 < p_T < 3.0$ (GeV/c)



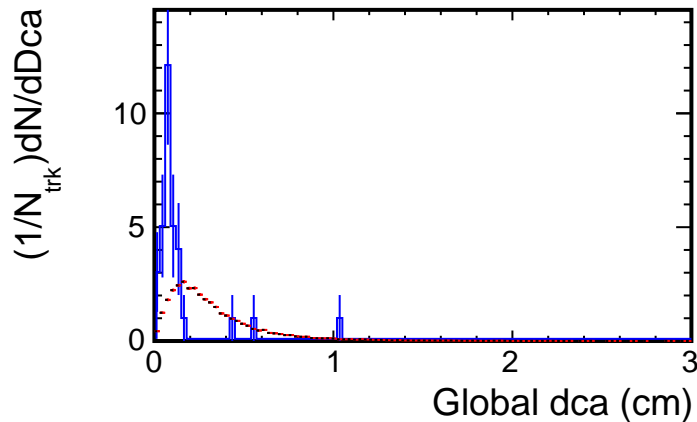
1.6, $2.5 < p_T < 3.0$ (GeV/c)



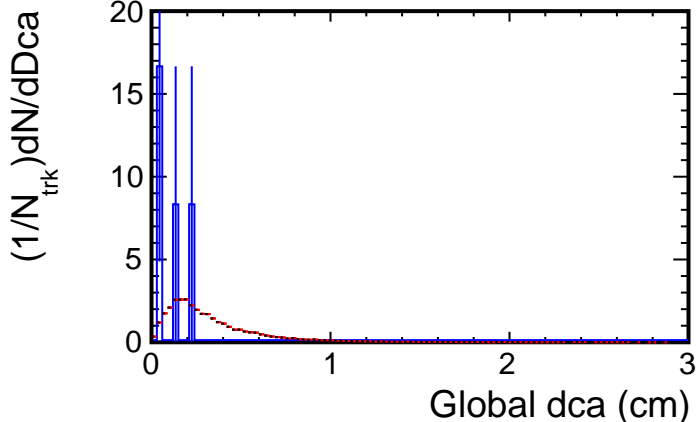
1.4, $2.5 < p_T < 3.0$ (GeV/c)



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



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

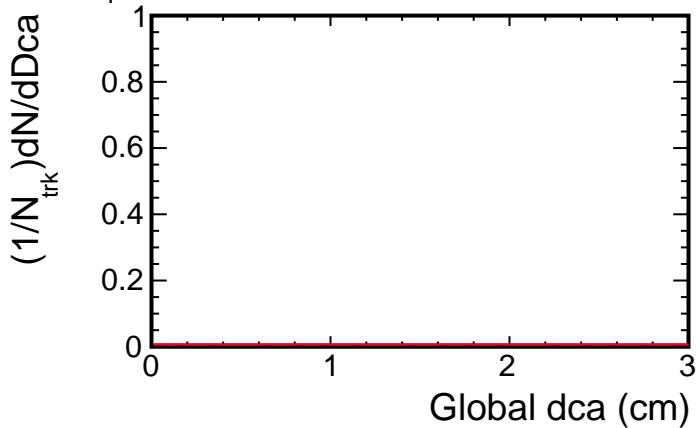


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

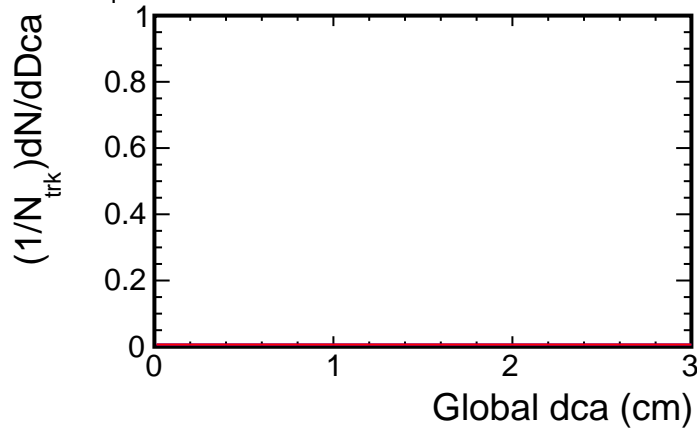
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices

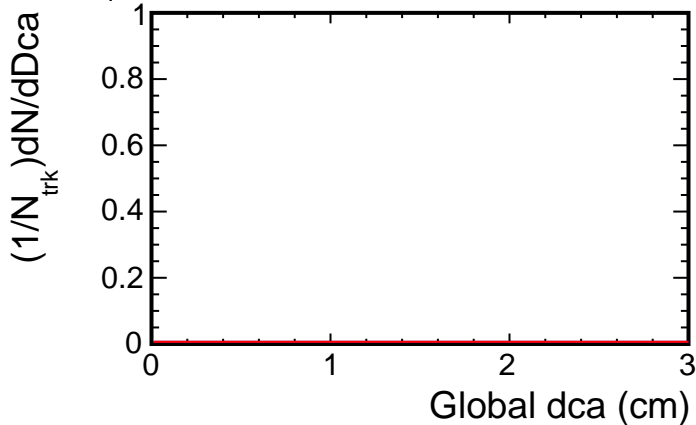
2, $2.5 < p_T < 3.0$ (GeV/c)



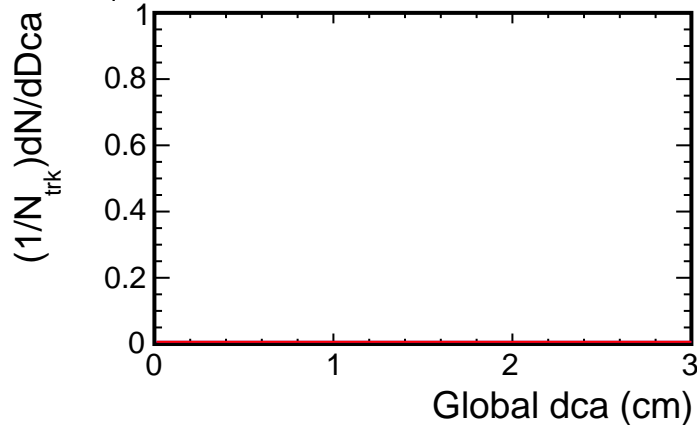
4, $2.5 < p_T < 3.0$ (GeV/c)



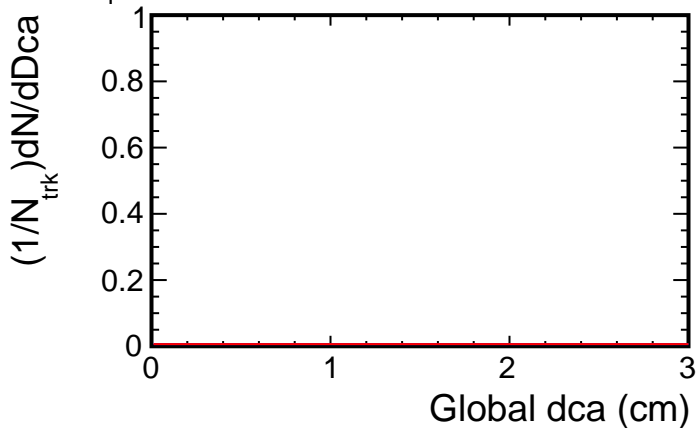
6, $2.5 < p_T < 3.0$ (GeV/c)



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



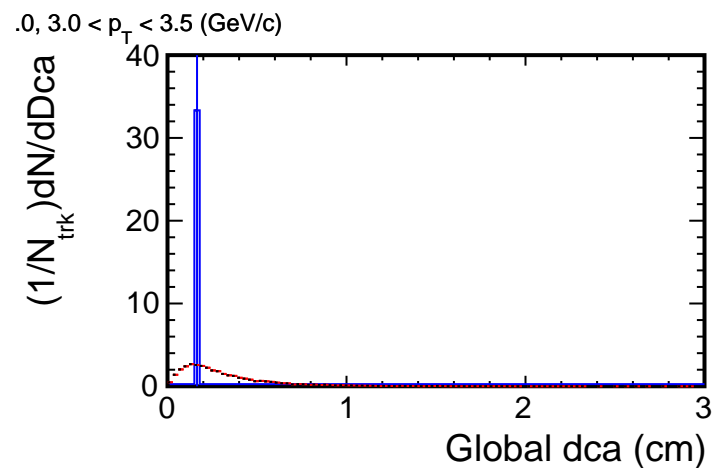
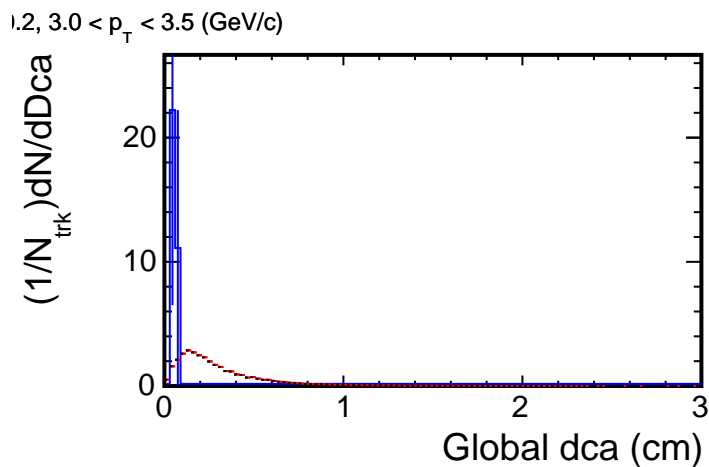
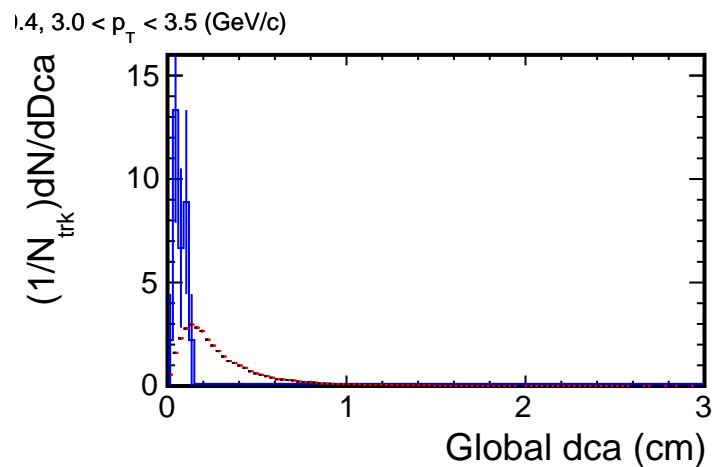
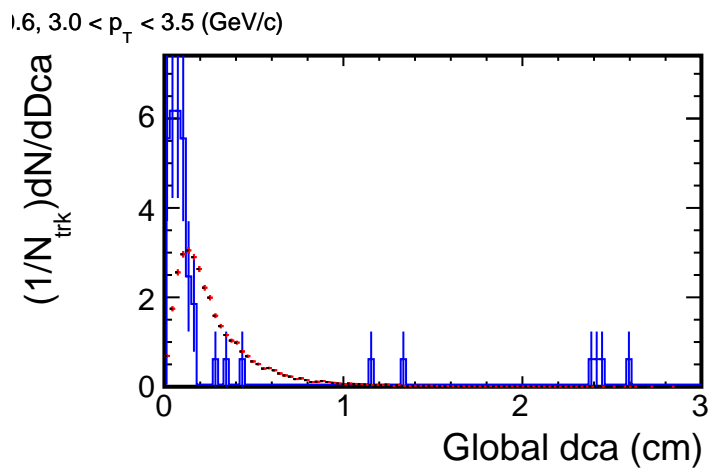
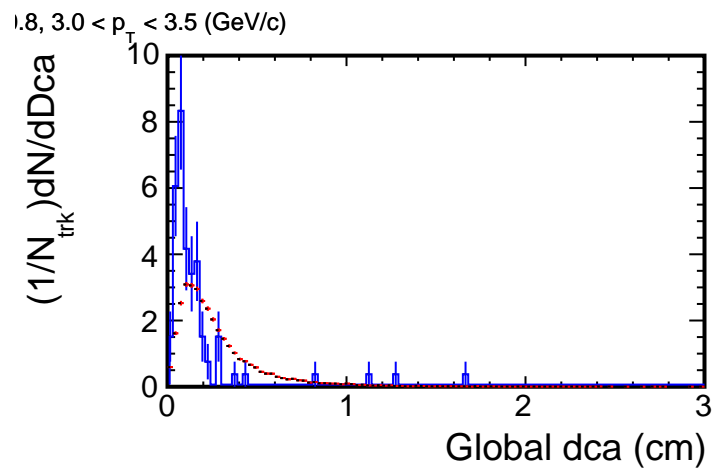
0, $2.5 < p_T < 3.0$ (GeV/c)



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

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

Dca distribution for (p_T , η) slices

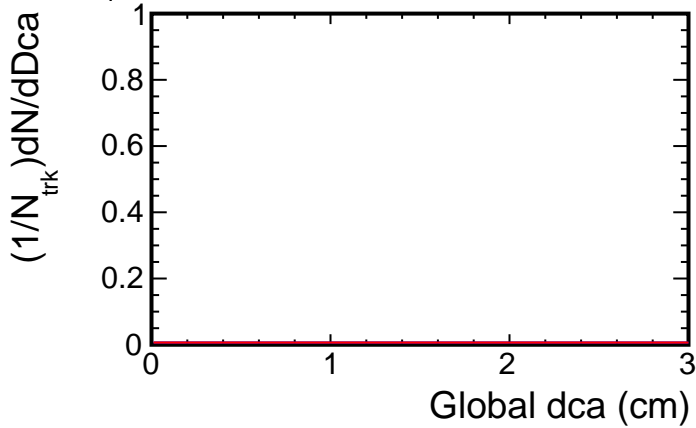


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

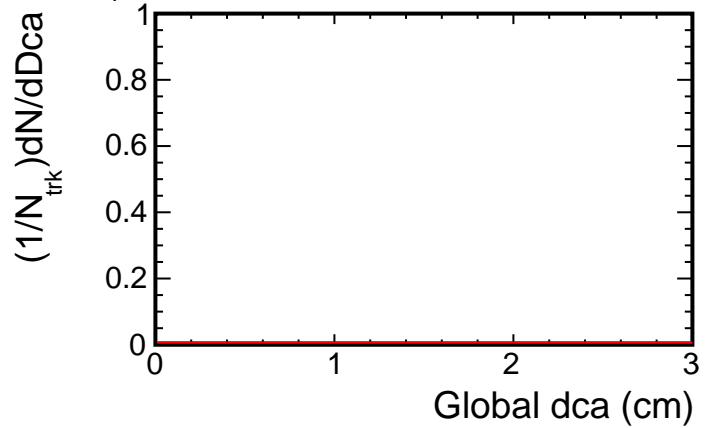
— π^+
(PRIMARY, $|\ln \sigma_{\pi^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices

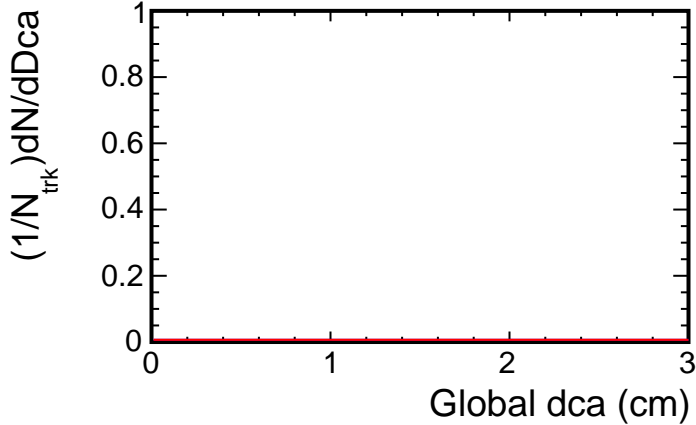
2, $3.0 < p_T < 3.5$ (GeV/c)



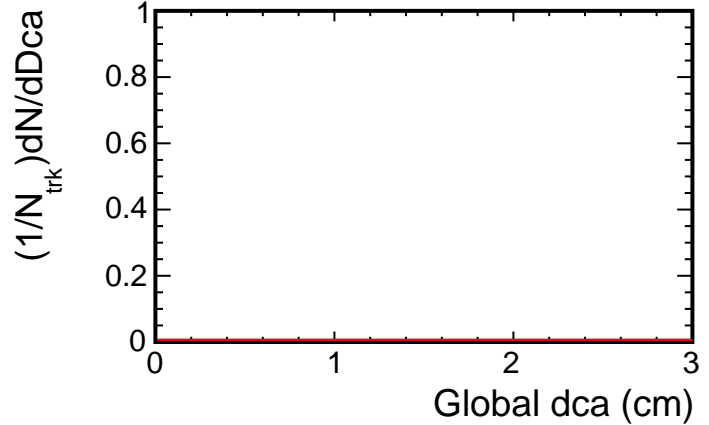
4, $3.0 < p_T < 3.5$ (GeV/c)



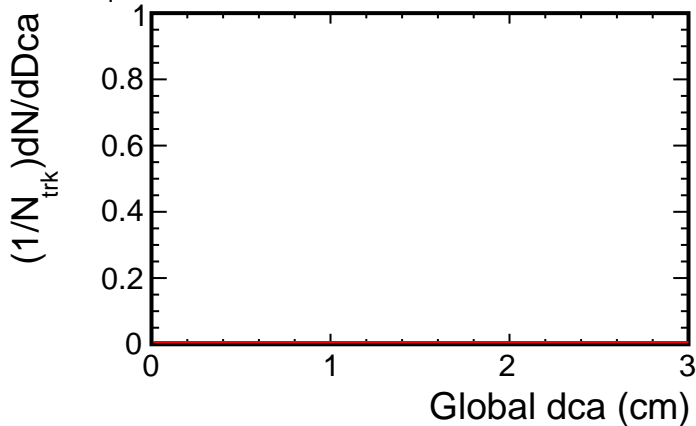
6, $3.0 < p_T < 3.5$ (GeV/c)



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



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

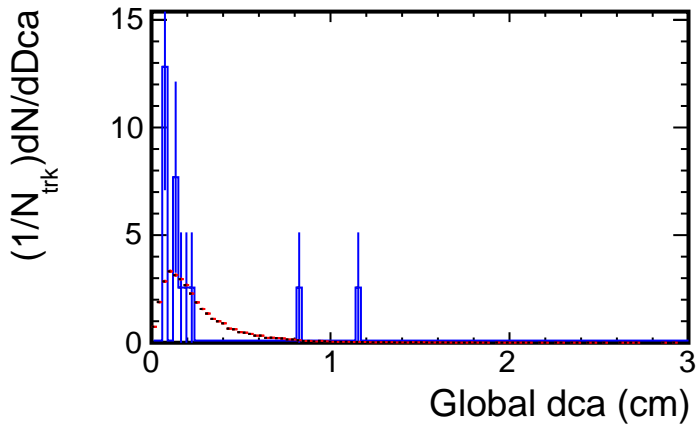


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

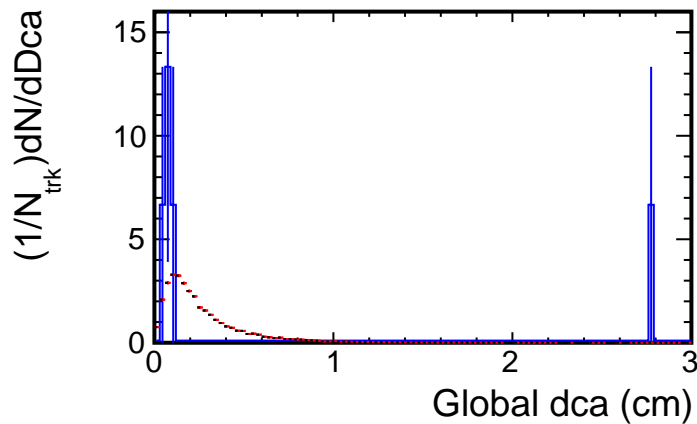
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices

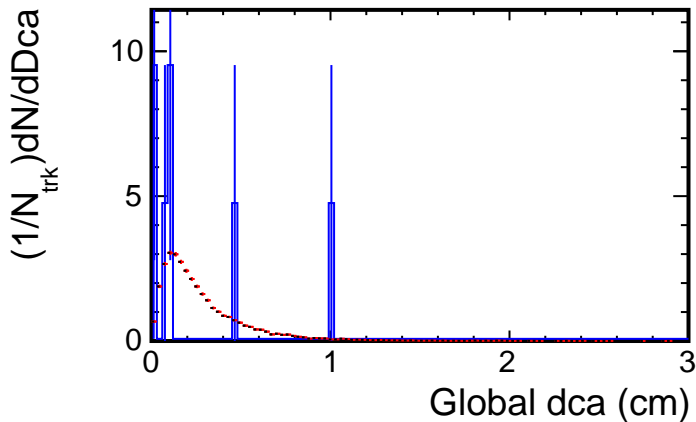
1.8, $3.5 < p_T < 4.0$ (GeV/c)



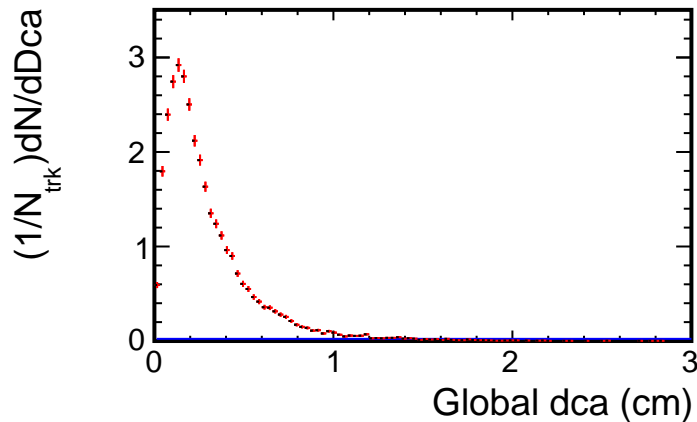
1.6, $3.5 < p_T < 4.0$ (GeV/c)



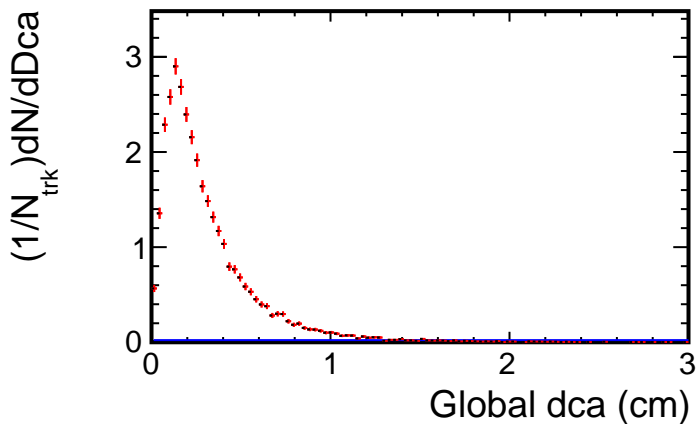
1.4, $3.5 < p_T < 4.0$ (GeV/c)



1.2, $3.5 < p_T < 4.0$ (GeV/c)



1.0, $3.5 < p_T < 4.0$ (GeV/c)

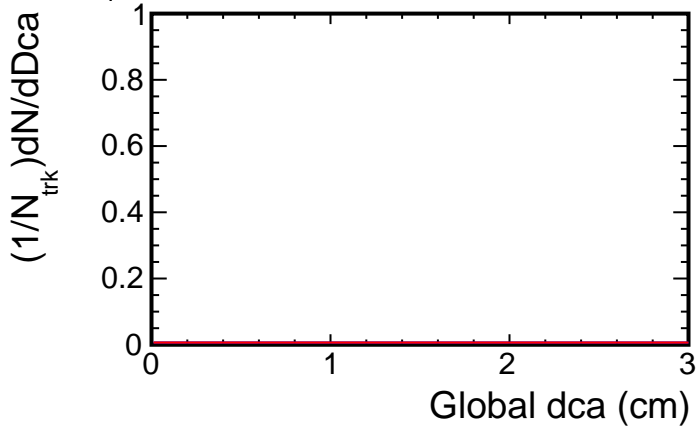


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

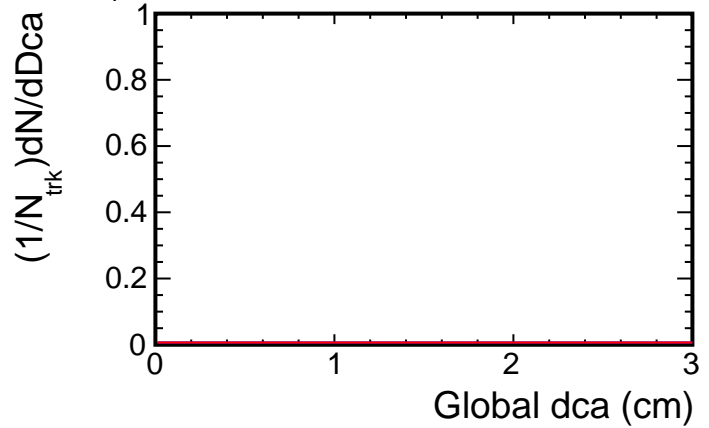
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices

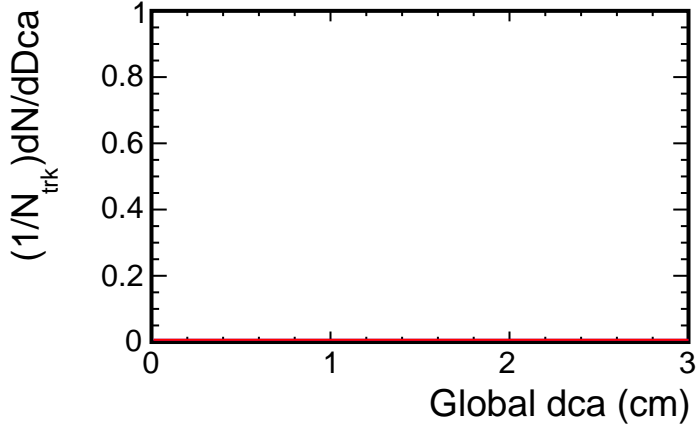
2, $3.5 < p_T < 4.0$ (GeV/c)



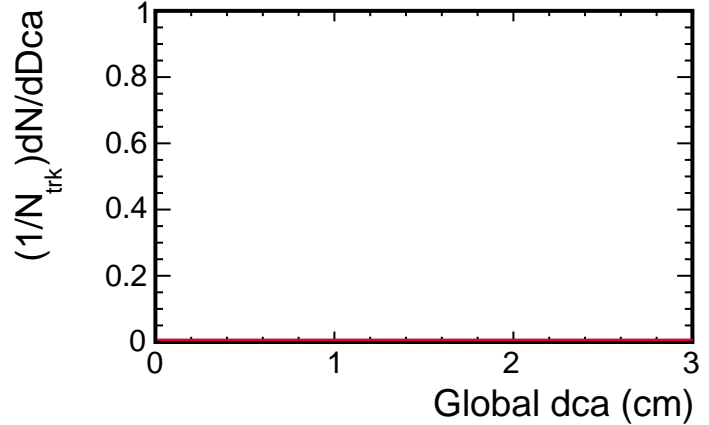
4, $3.5 < p_T < 4.0$ (GeV/c)



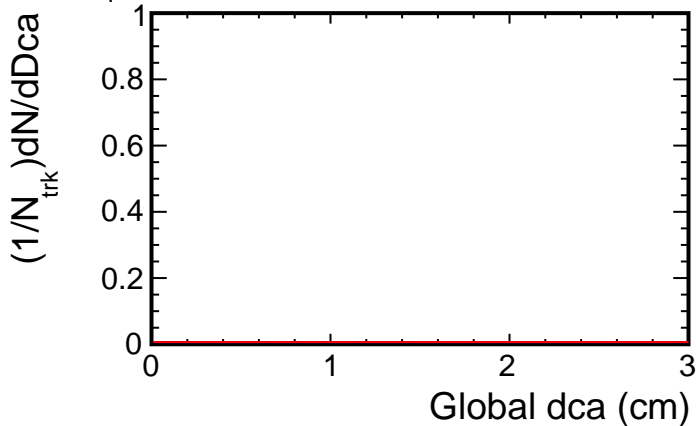
6, $3.5 < p_T < 4.0$ (GeV/c)



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



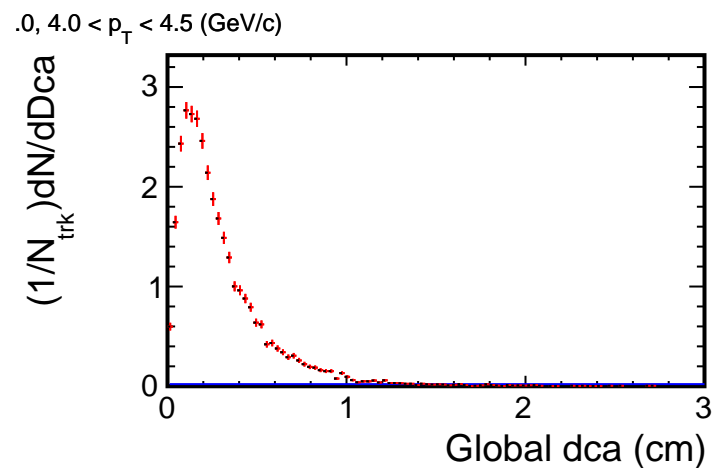
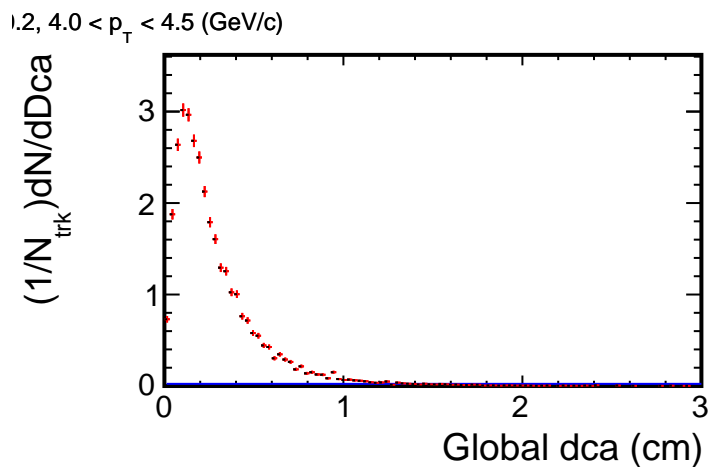
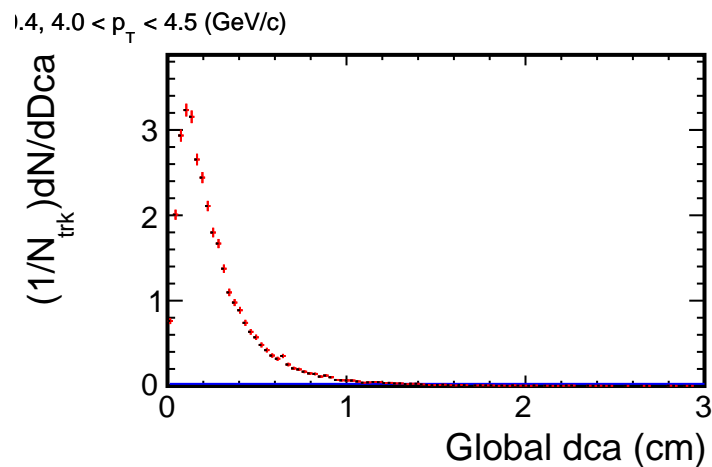
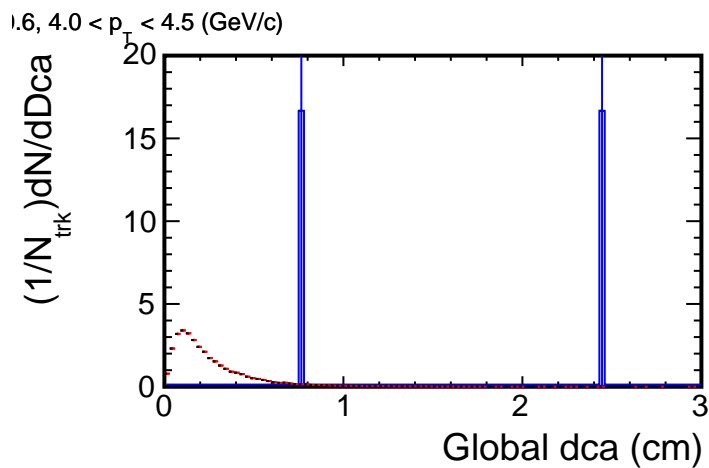
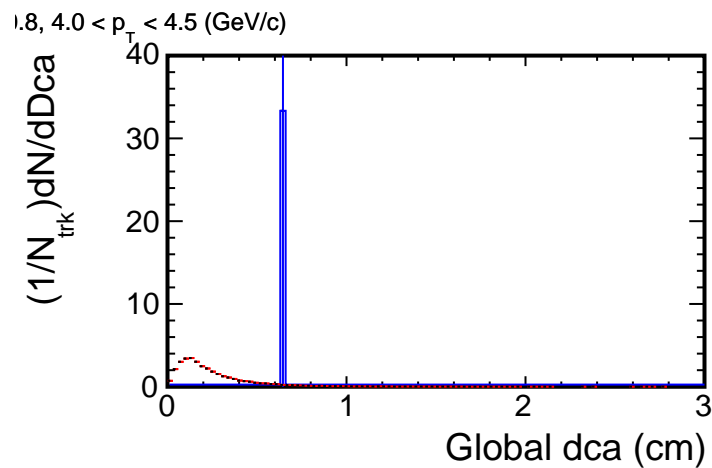
0, $3.5 < p_T < 4.0$ (GeV/c)



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

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

Dca distribution for (p_T , η) slices

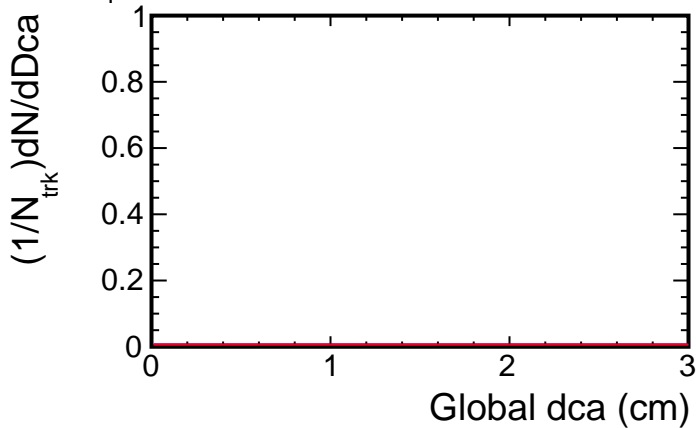


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

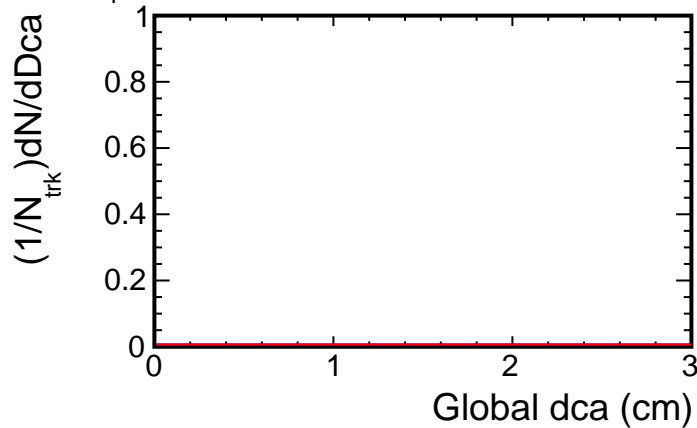
— π^+
(PRIMARY, $|\ln \sigma_{\pi^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices

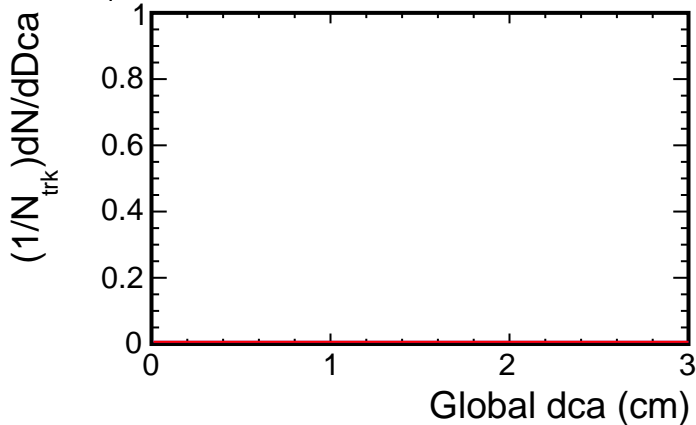
2, $4.0 < p_T < 4.5$ (GeV/c)



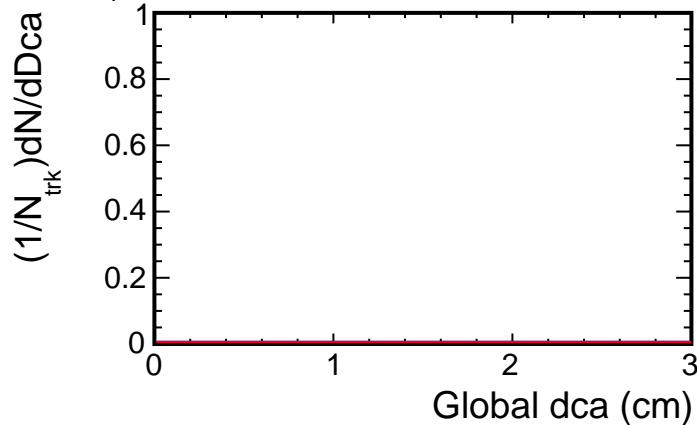
4, $4.0 < p_T < 4.5$ (GeV/c)



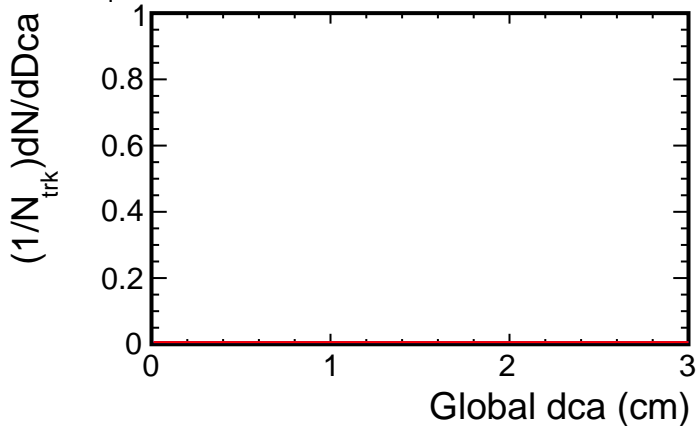
6, $4.0 < p_T < 4.5$ (GeV/c)



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



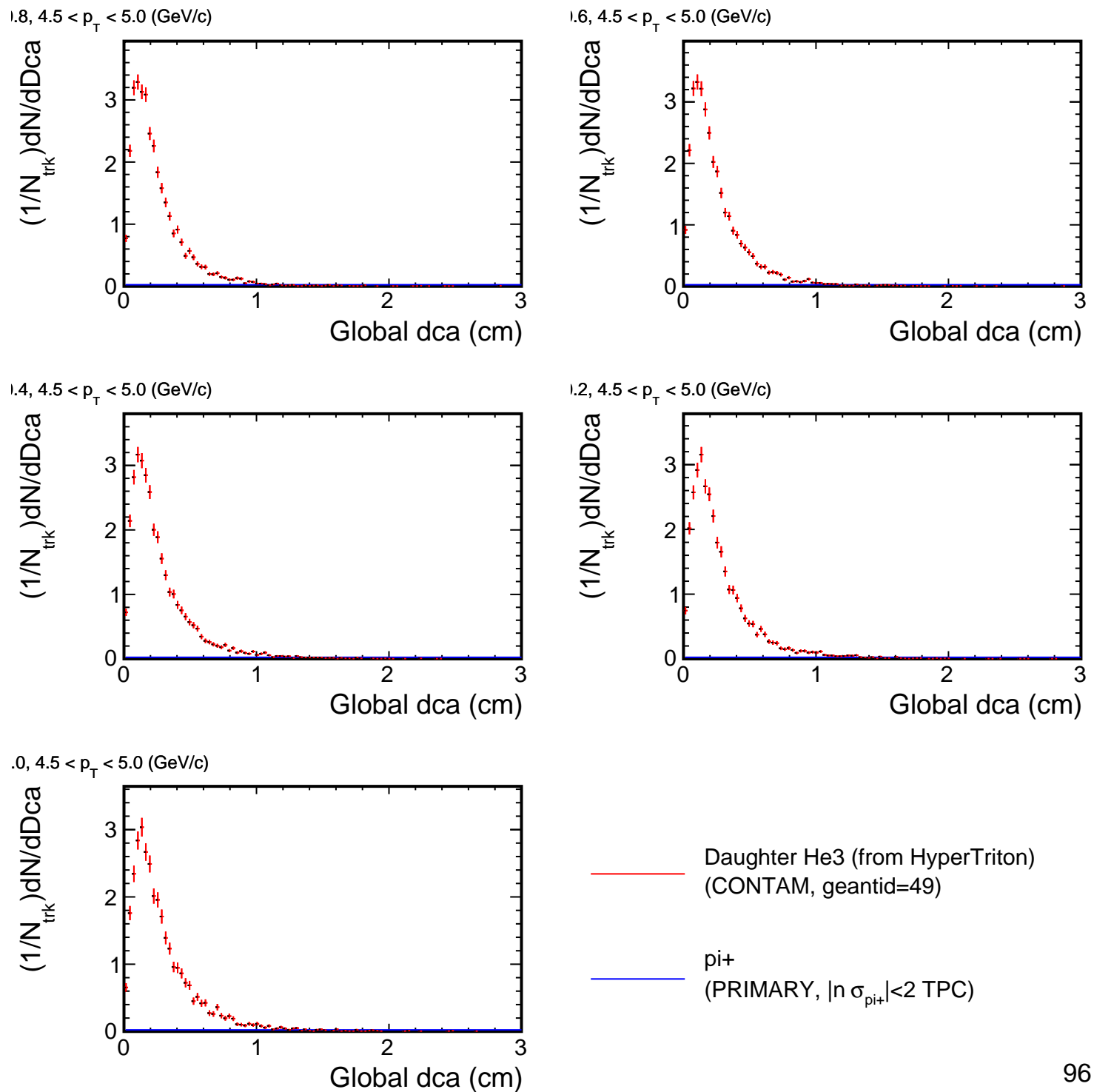
0, $4.0 < p_T < 4.5$ (GeV/c)



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

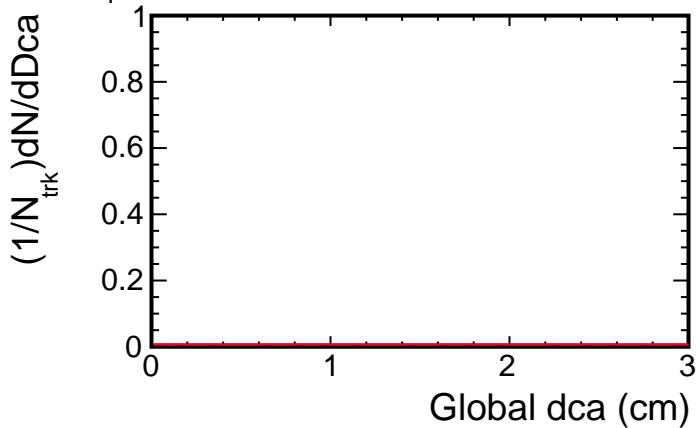
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices

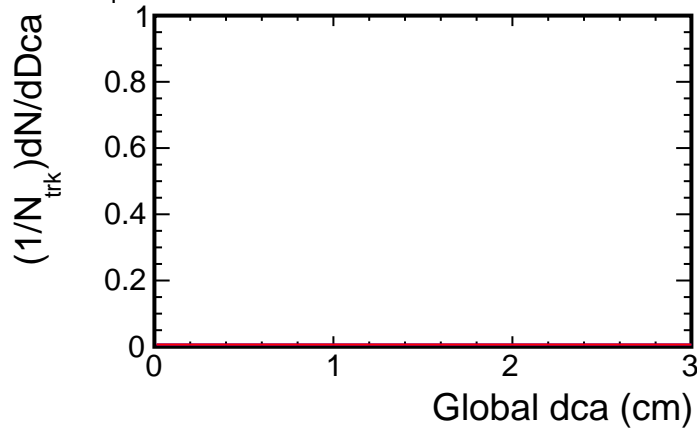


Dca distribution for (p_T , η) slices

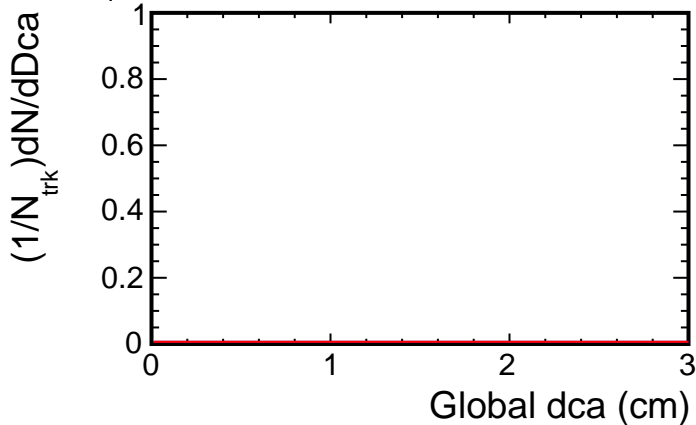
2, $4.5 < p_T < 5.0$ (GeV/c)



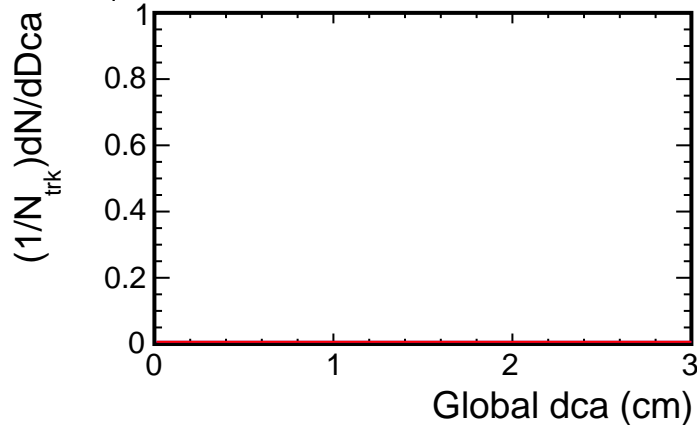
4, $4.5 < p_T < 5.0$ (GeV/c)



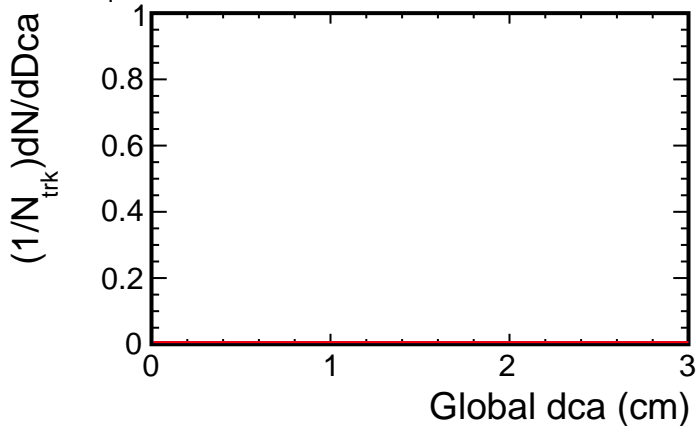
6, $4.5 < p_T < 5.0$ (GeV/c)



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



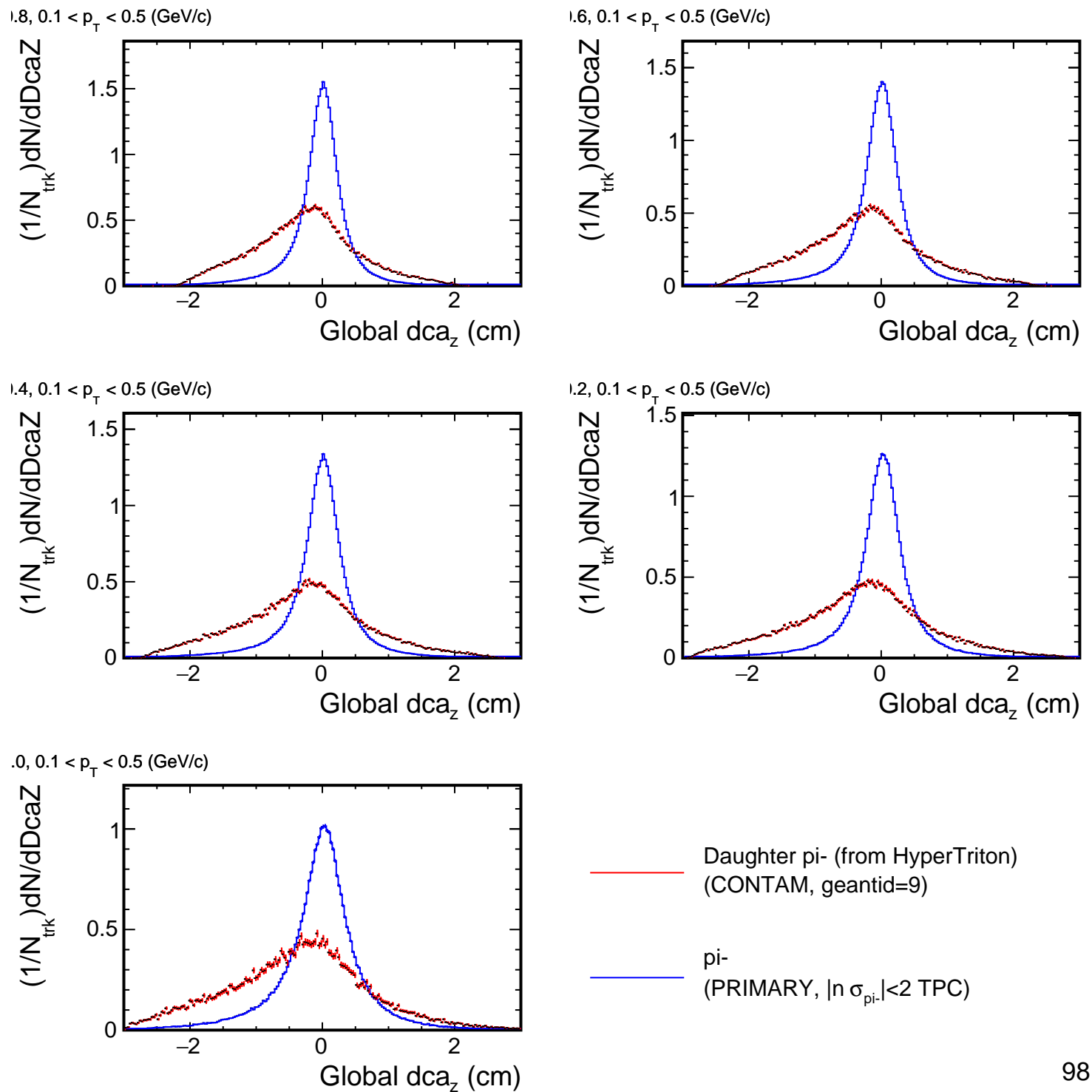
0, $4.5 < p_T < 5.0$ (GeV/c)



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

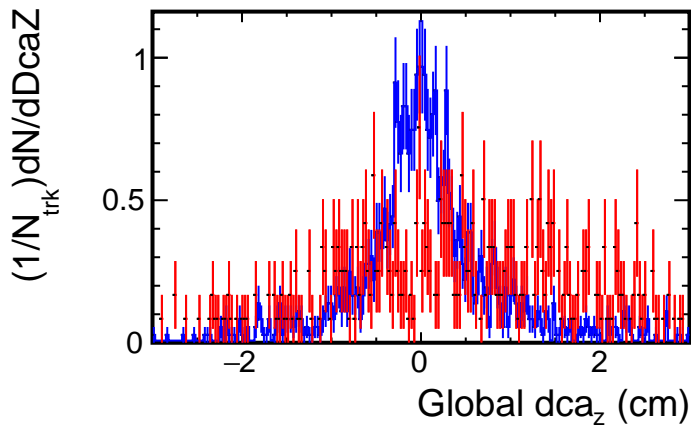
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

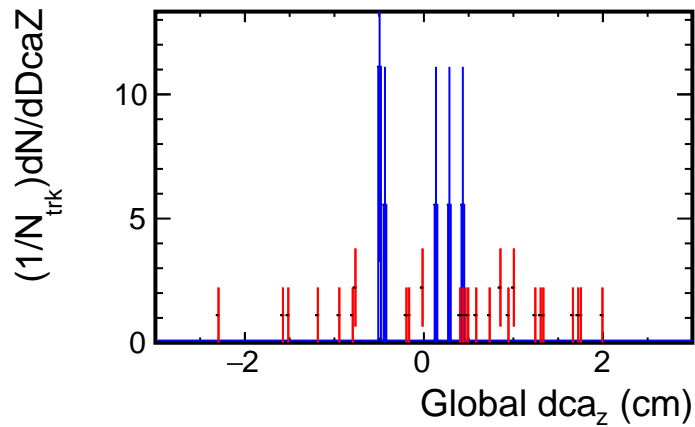


DcaZ distribution for (p_T , η) slices

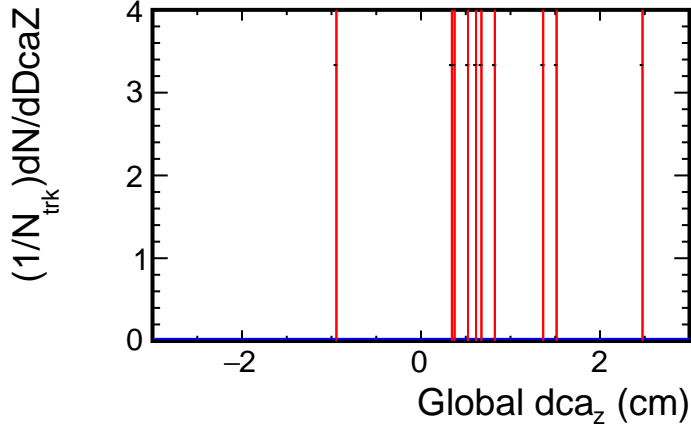
2, $0.1 < p_T < 0.5$ (GeV/c)



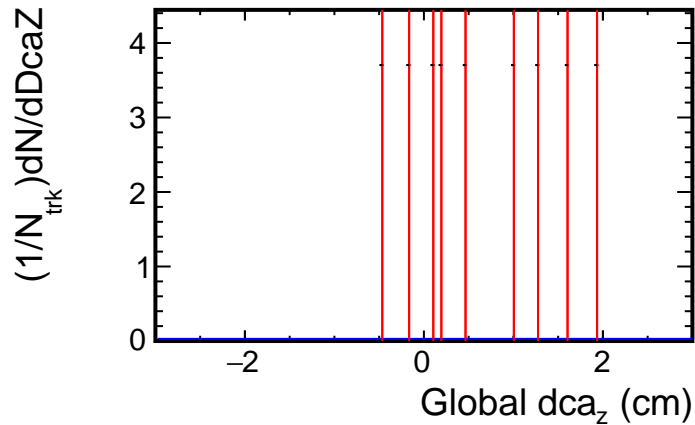
4, $0.1 < p_T < 0.5$ (GeV/c)



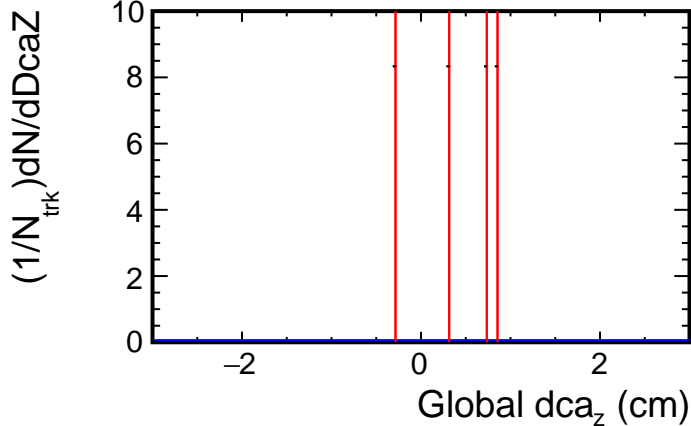
6, $0.1 < p_T < 0.5$ (GeV/c)



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



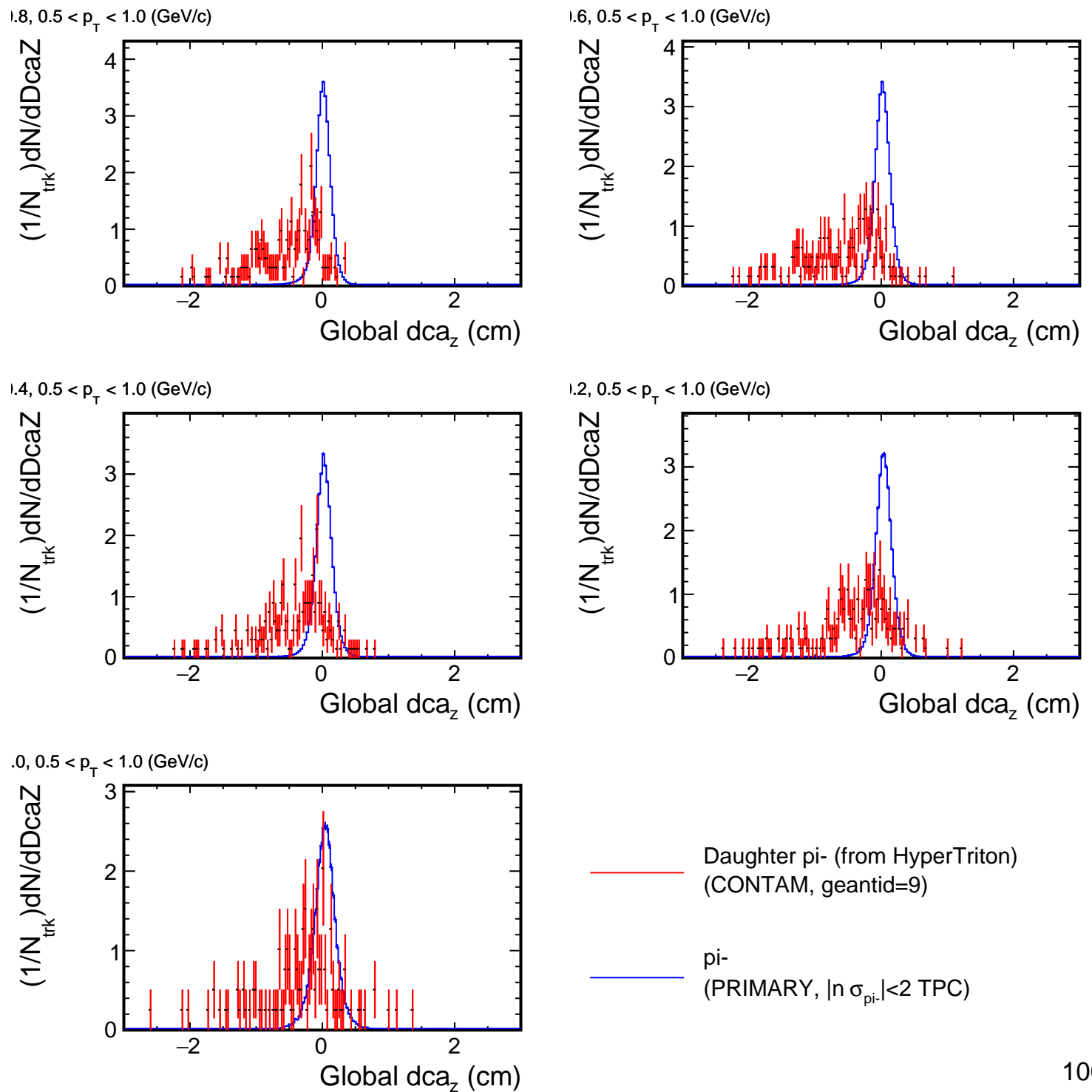
10, $0.1 < p_T < 0.5$ (GeV/c)



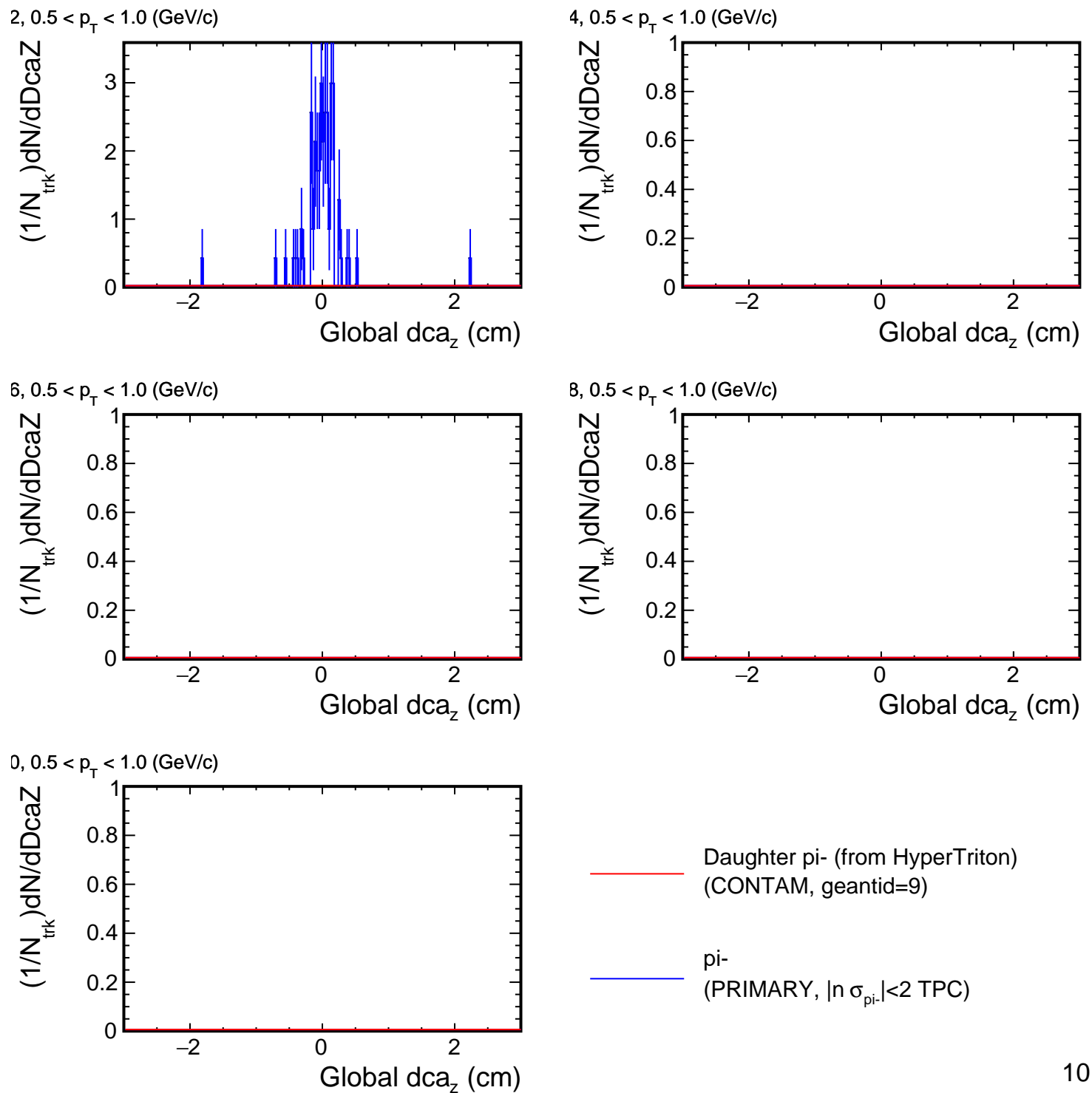
— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

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

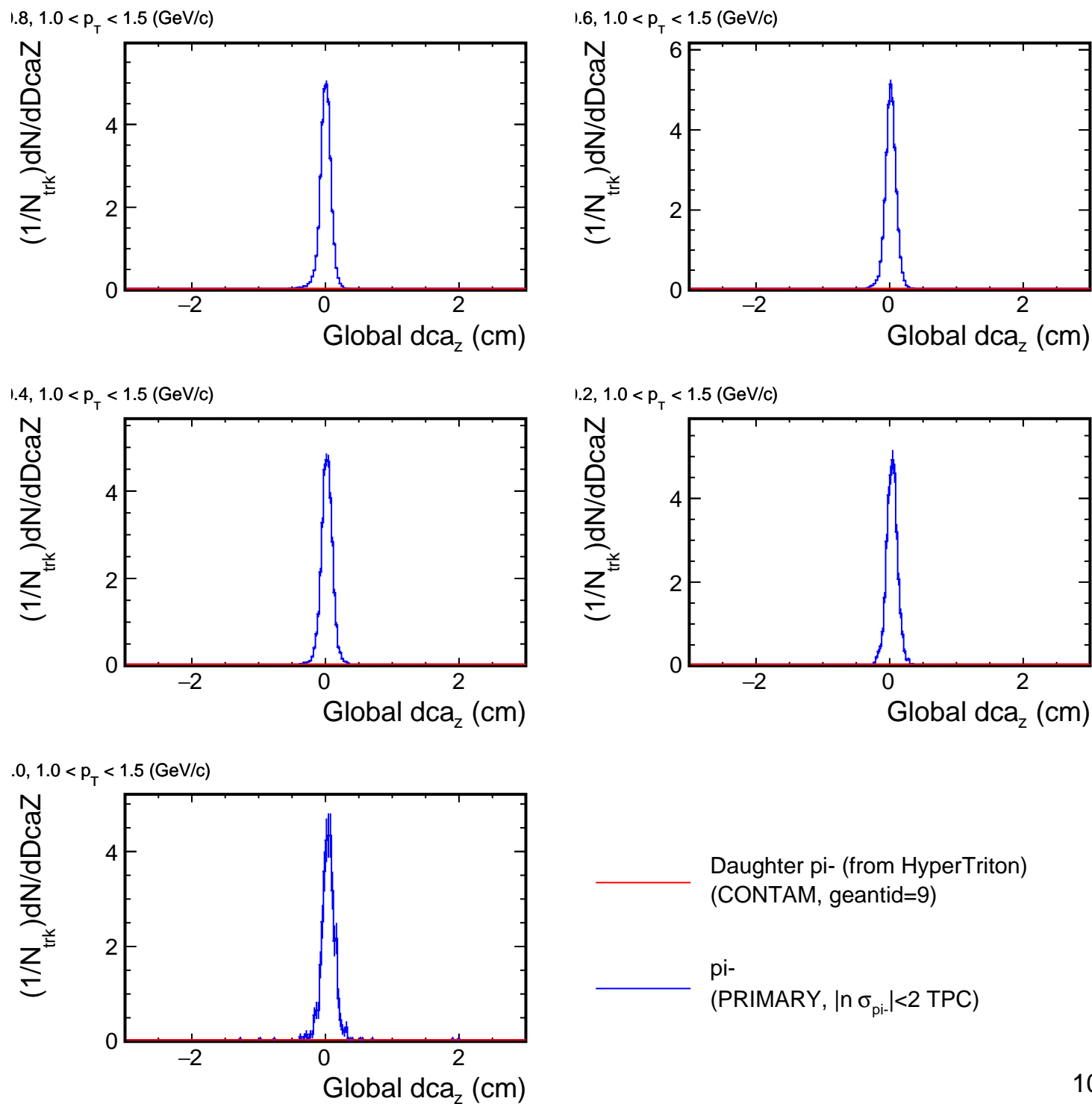
DcaZ distribution for (p_T , η) slices



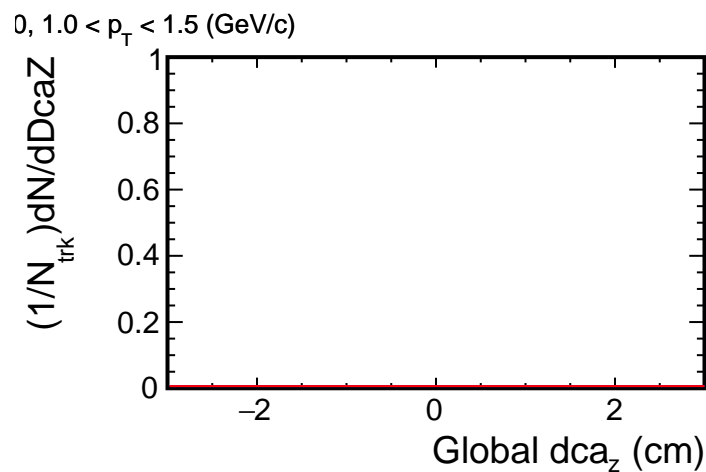
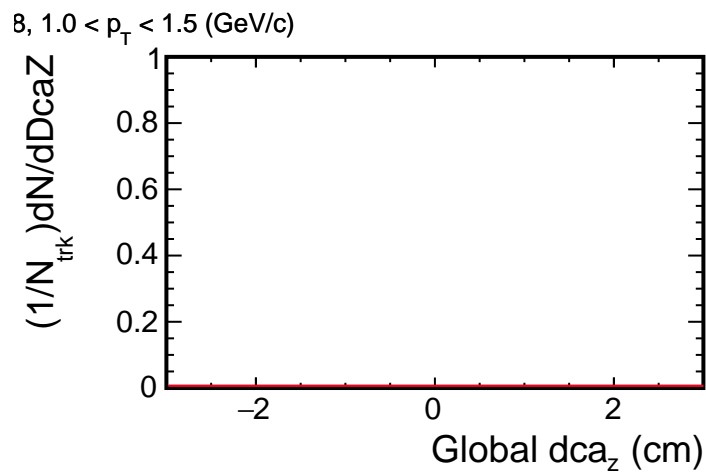
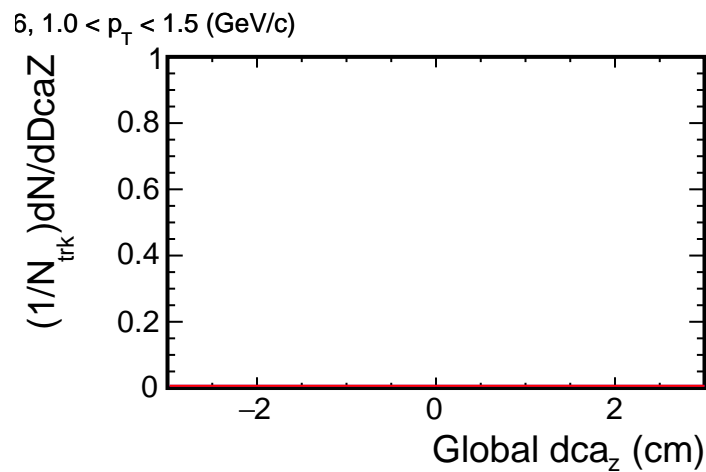
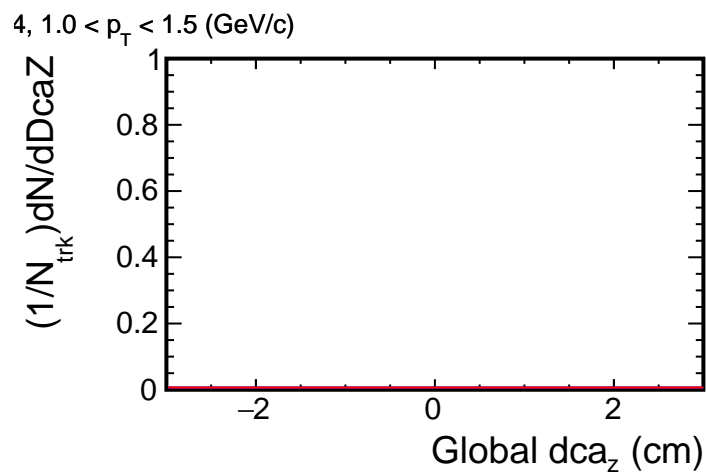
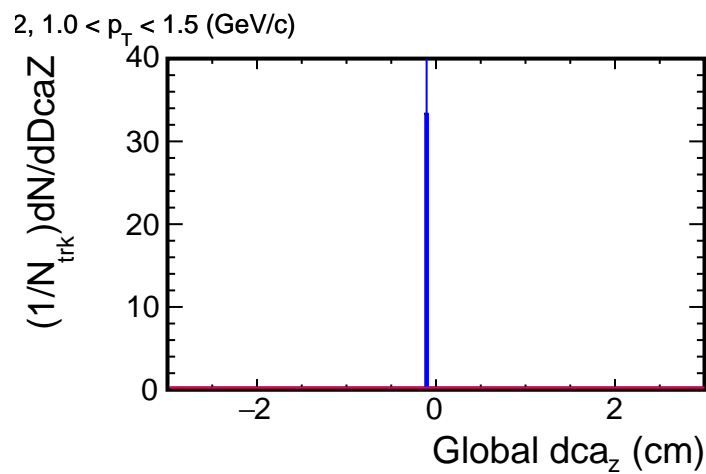
DcaZ distribution for (p_T , η) slices



DcaZ distribution for (p_T , η) slices



DcaZ distribution for (p_T , η) slices

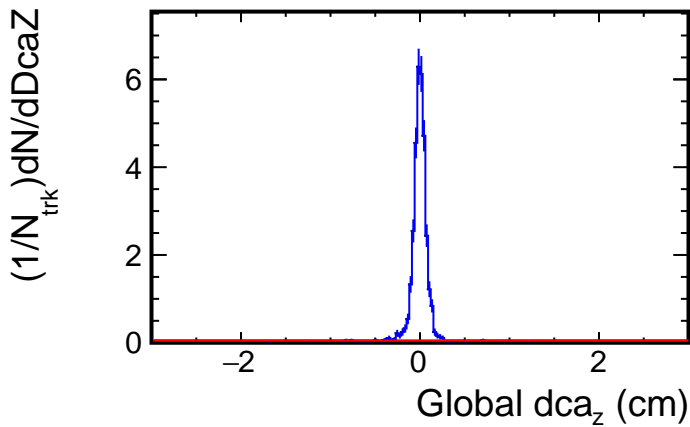


— Daughter π^- (from HyperTriton)
(CONTAM, geantid=9)

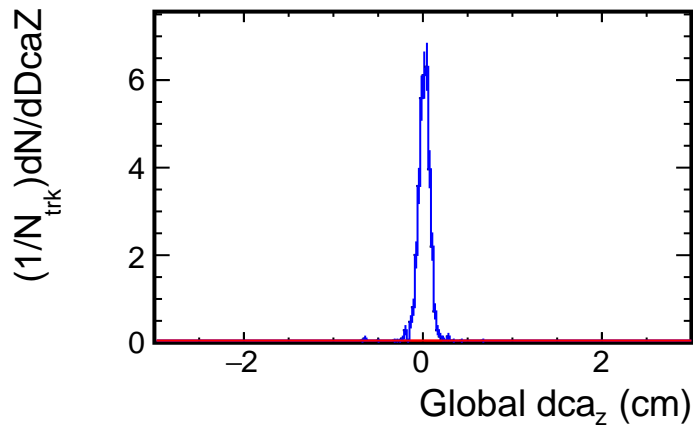
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

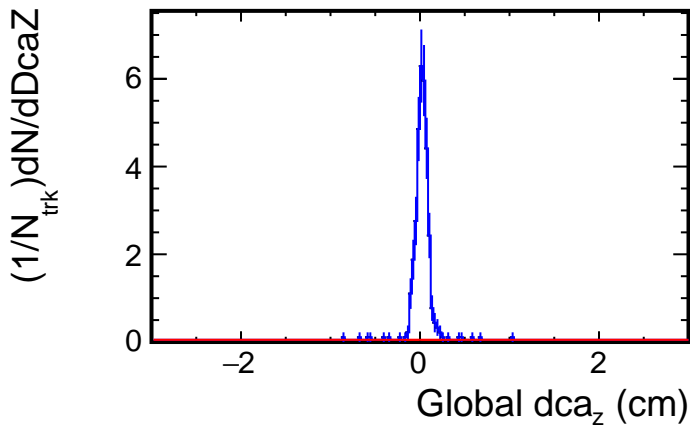
1.8, $1.5 < p_T < 2.0$ (GeV/c)



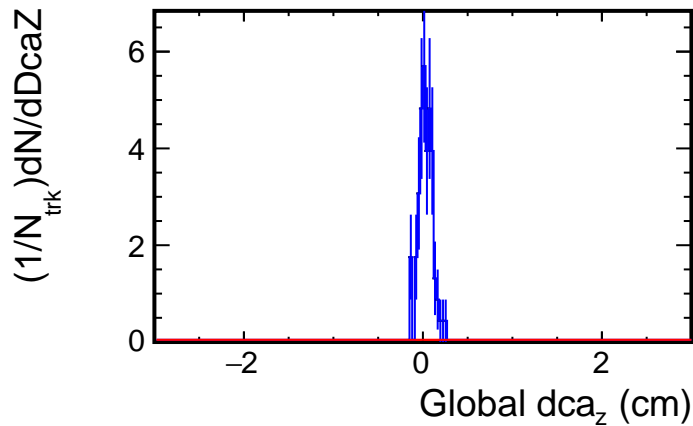
1.6, $1.5 < p_T < 2.0$ (GeV/c)



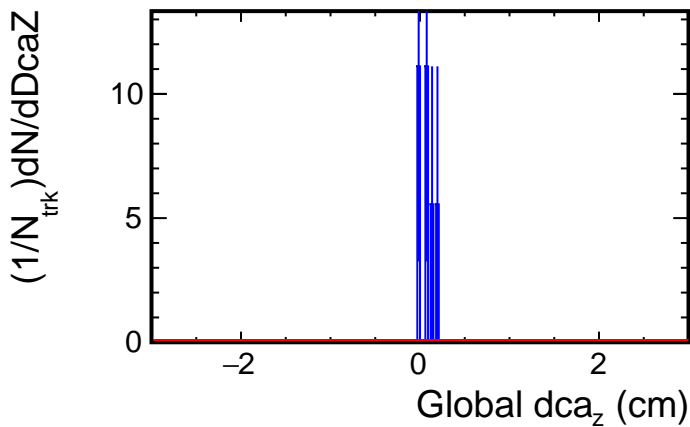
1.4, $1.5 < p_T < 2.0$ (GeV/c)



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



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

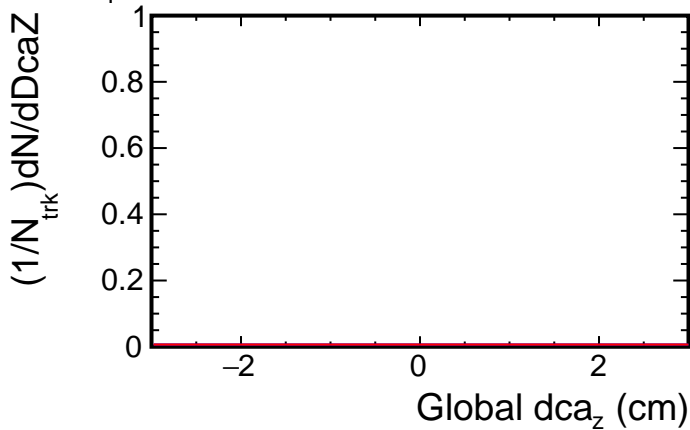


— Daughter π^- (from HyperTriton)
(CONTAM, geantid=9)

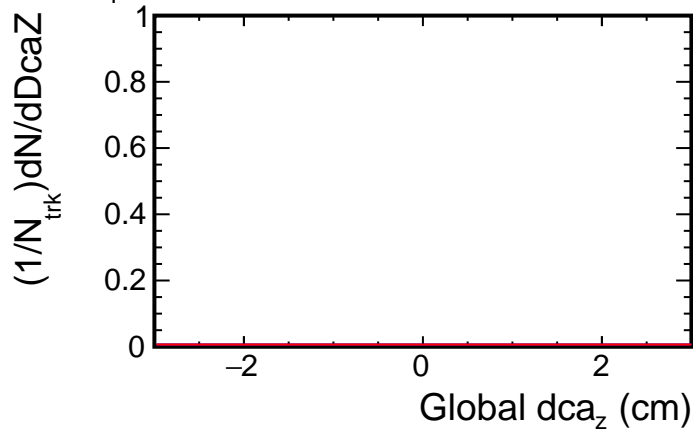
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

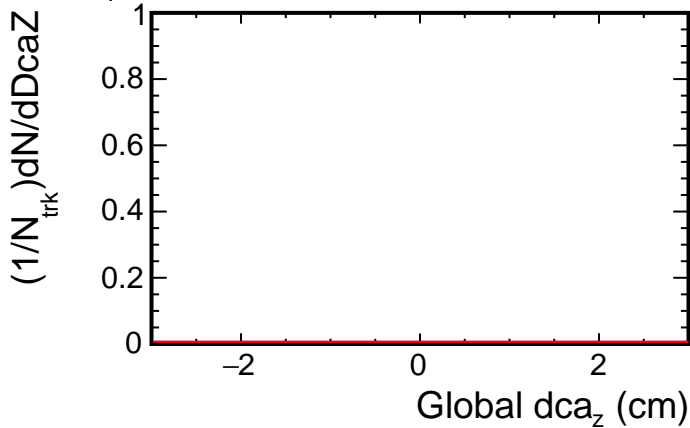
2, $1.5 < p_T < 2.0$ (GeV/c)



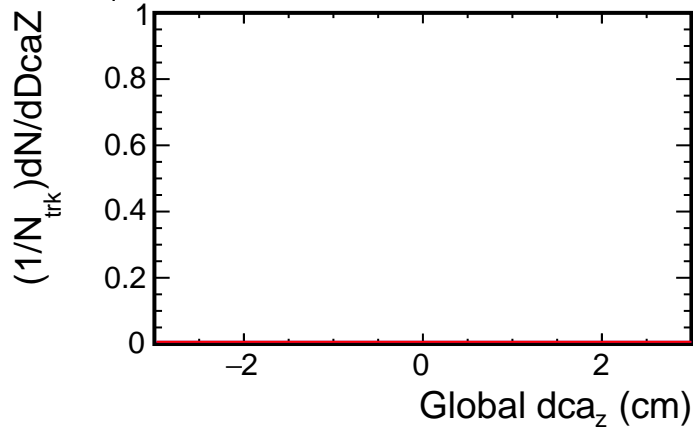
4, $1.5 < p_T < 2.0$ (GeV/c)



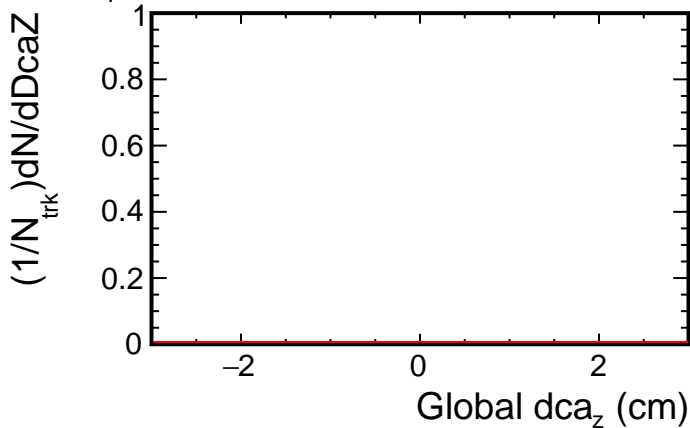
6, $1.5 < p_T < 2.0$ (GeV/c)



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



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

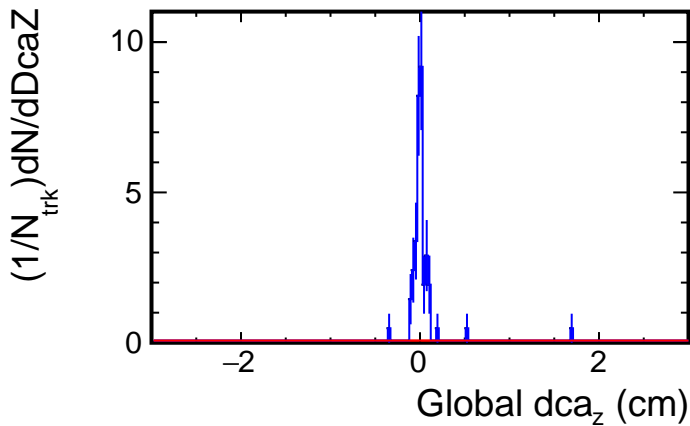


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

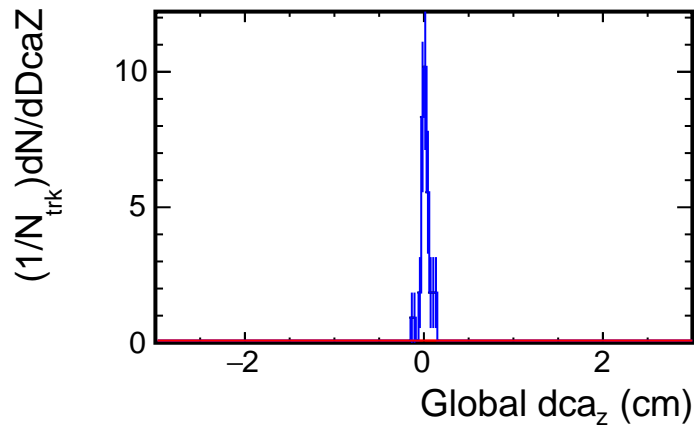
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

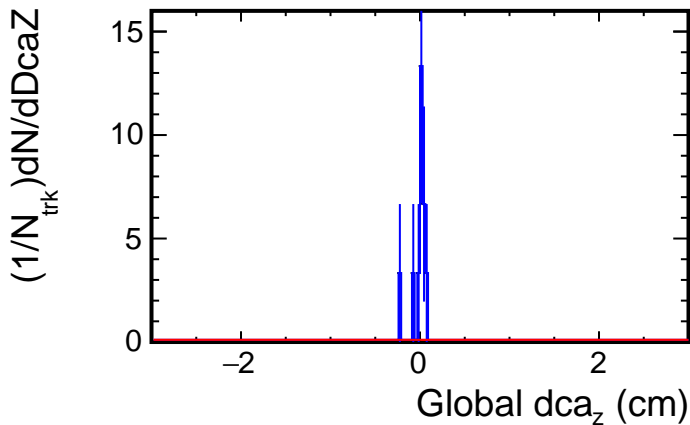
1.8, $2.0 < p_T < 2.5$ (GeV/c)



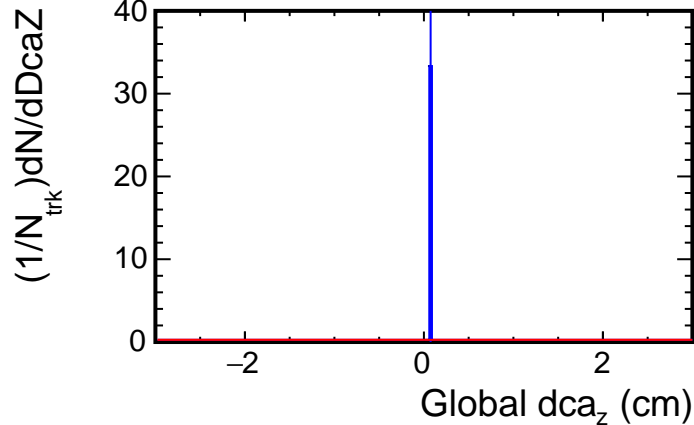
1.6, $2.0 < p_T < 2.5$ (GeV/c)



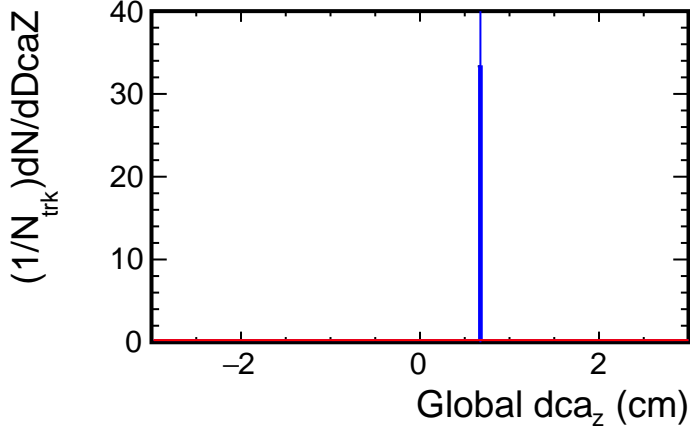
1.4, $2.0 < p_T < 2.5$ (GeV/c)



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



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

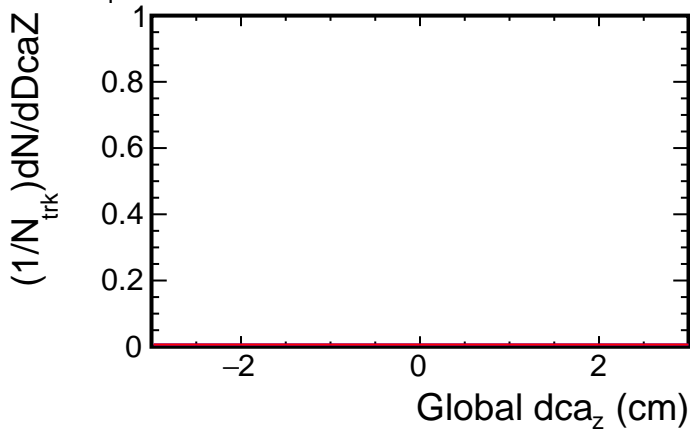


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

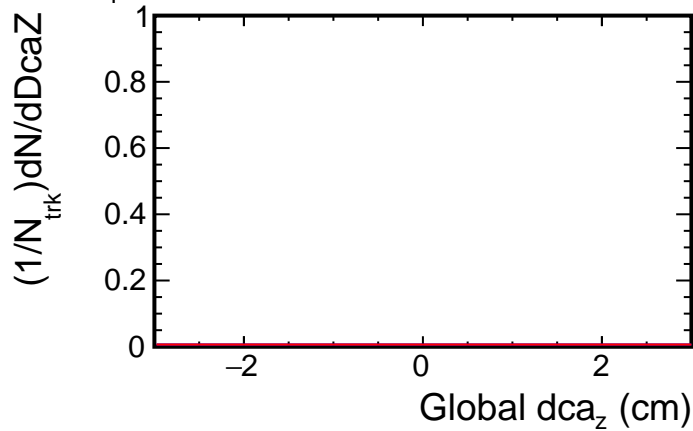
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

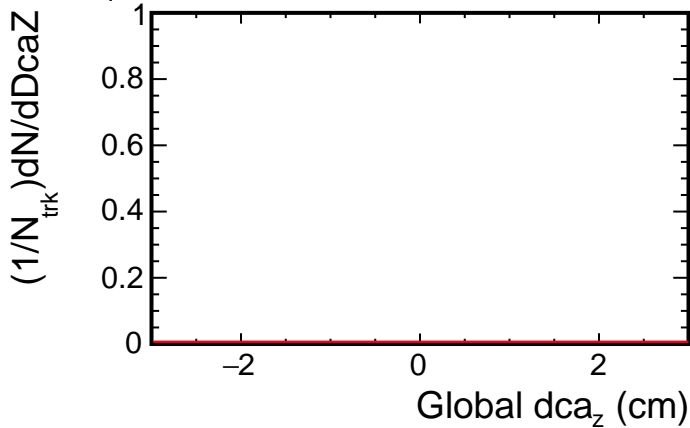
2, $2.0 < p_T < 2.5$ (GeV/c)



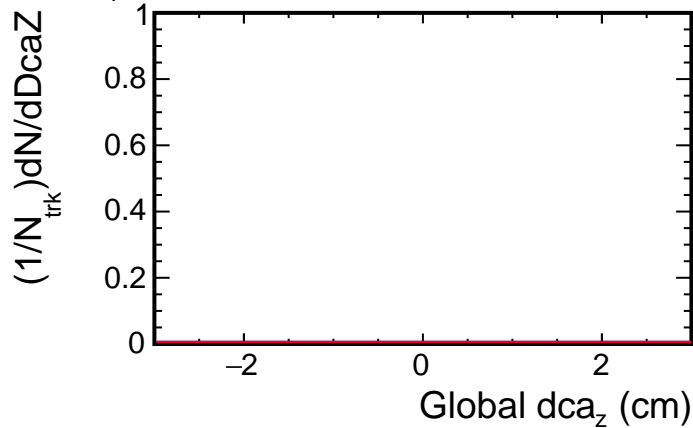
4, $2.0 < p_T < 2.5$ (GeV/c)



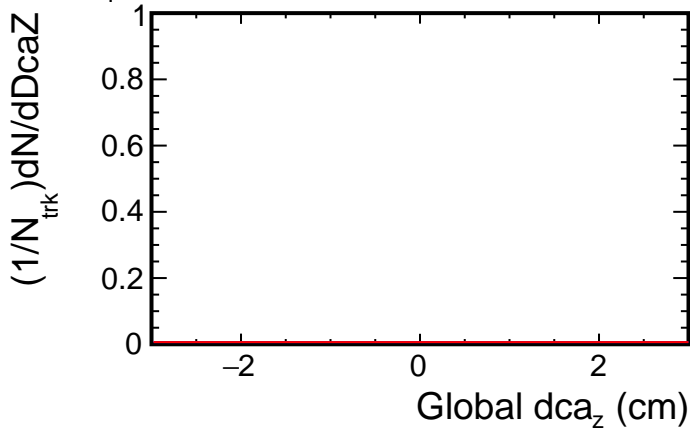
6, $2.0 < p_T < 2.5$ (GeV/c)



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



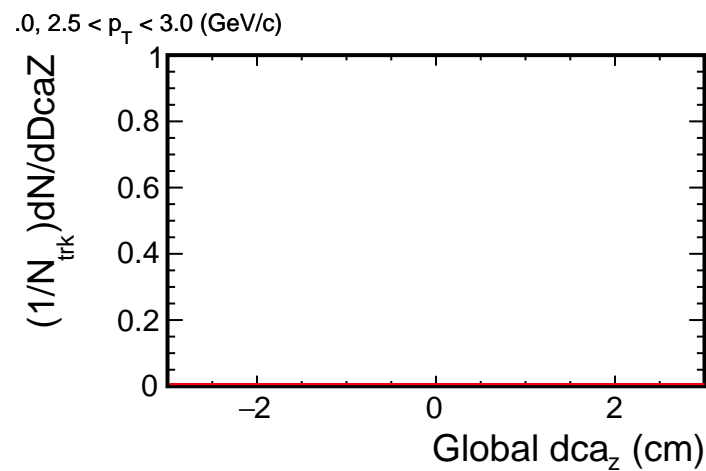
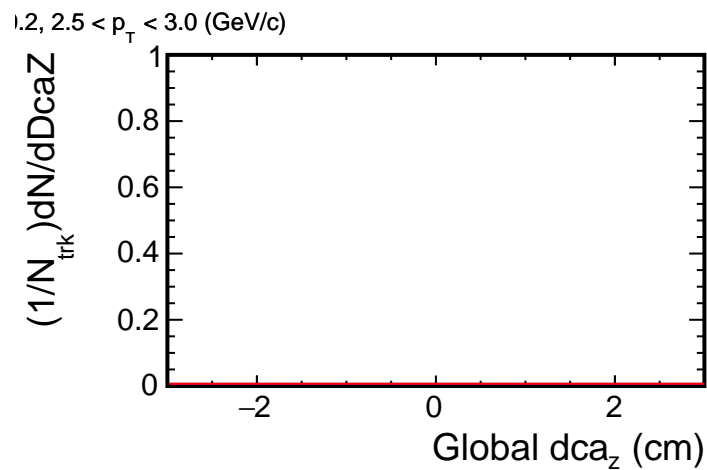
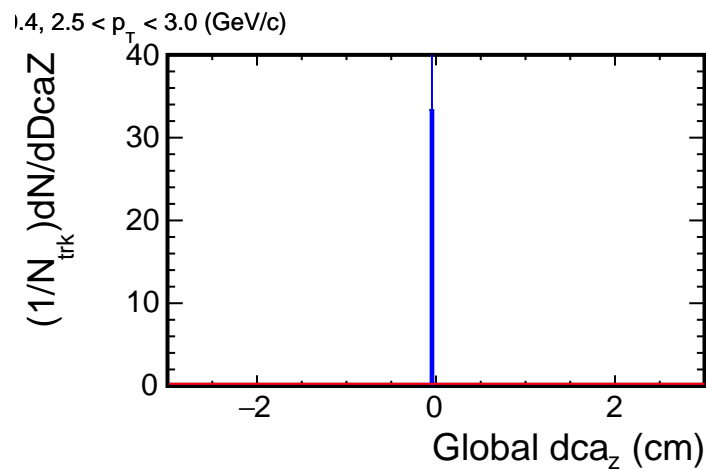
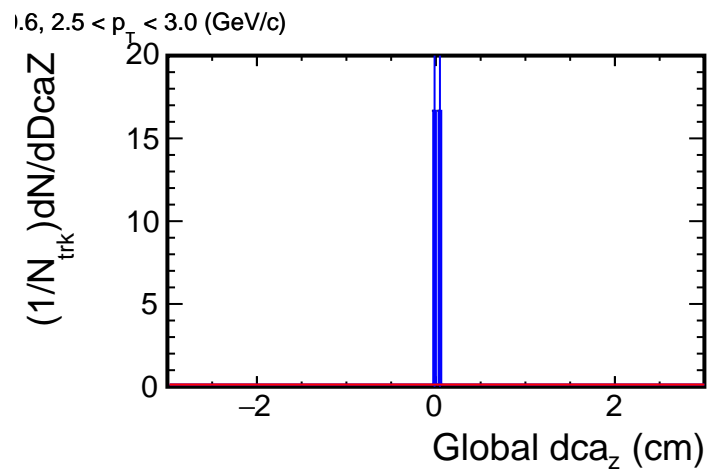
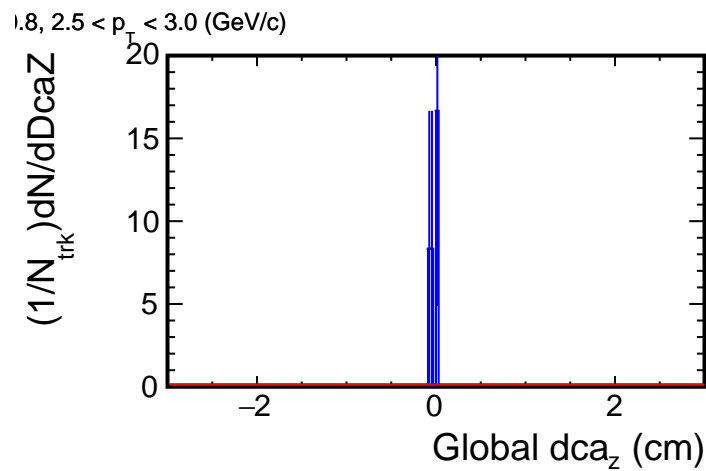
0, $2.0 < p_T < 2.5$ (GeV/c)



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

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

DcaZ distribution for (p_T , η) slices

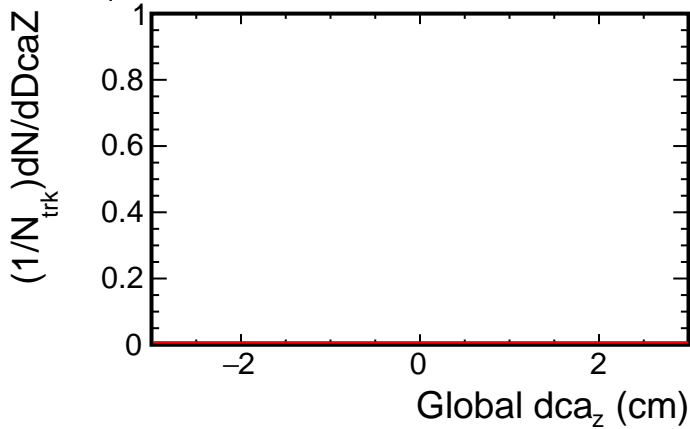


— Daughter π^- (from HyperTriton)
(CONTAM, geantid=9)

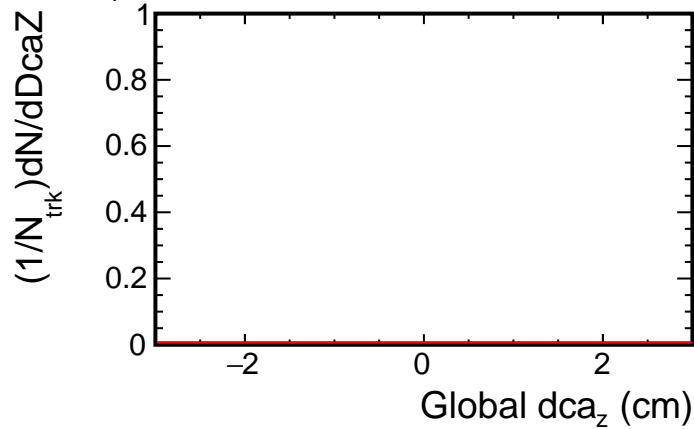
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

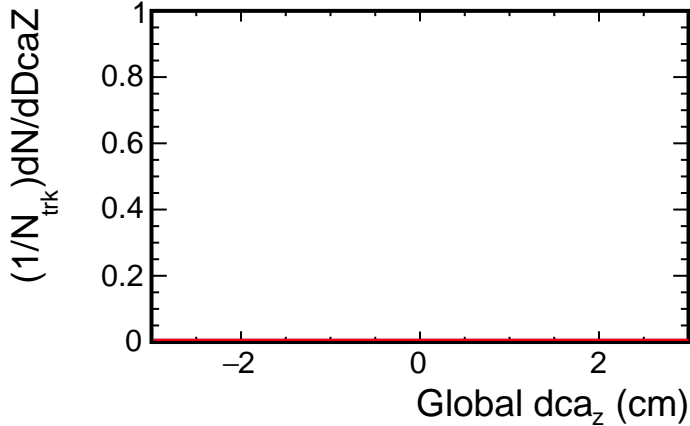
2, $2.5 < p_T < 3.0$ (GeV/c)



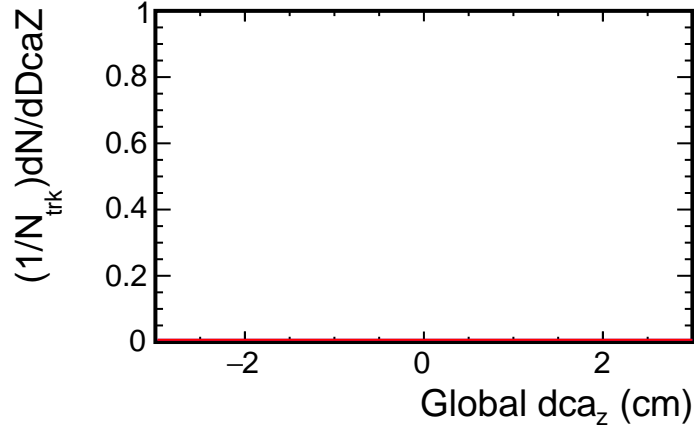
4, $2.5 < p_T < 3.0$ (GeV/c)



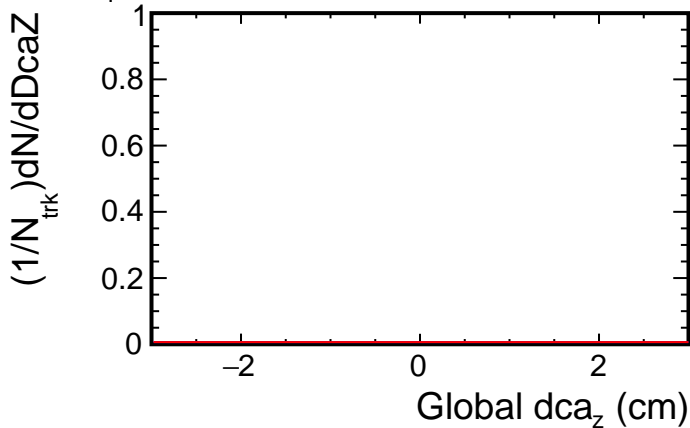
6, $2.5 < p_T < 3.0$ (GeV/c)



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



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

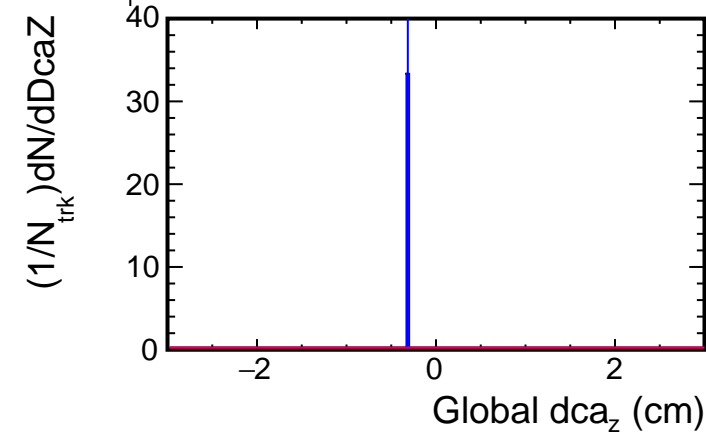


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

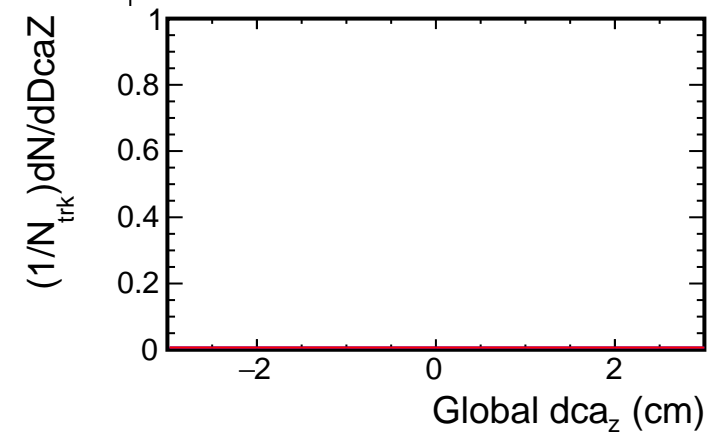
— pi-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

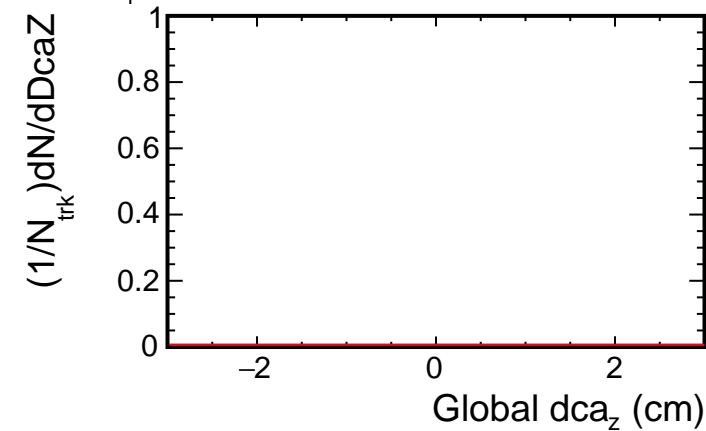
1.8, $3.0 < p_T < 3.5$ (GeV/c)



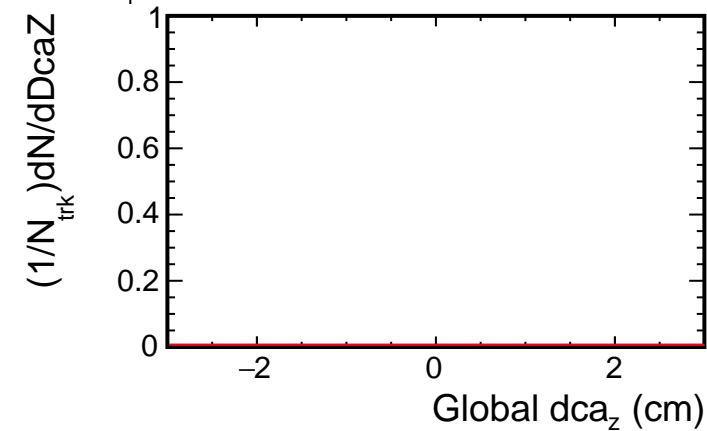
1.6, $3.0 < p_T < 3.5$ (GeV/c)



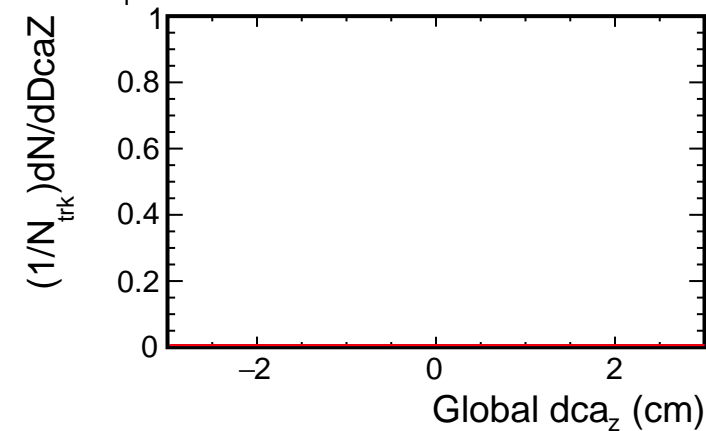
1.4, $3.0 < p_T < 3.5$ (GeV/c)



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



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

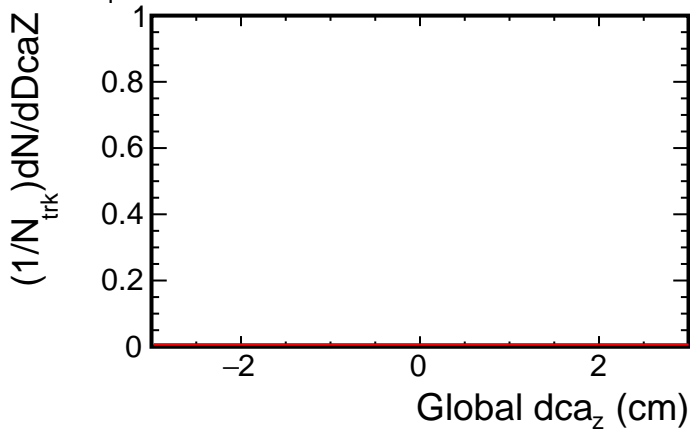


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

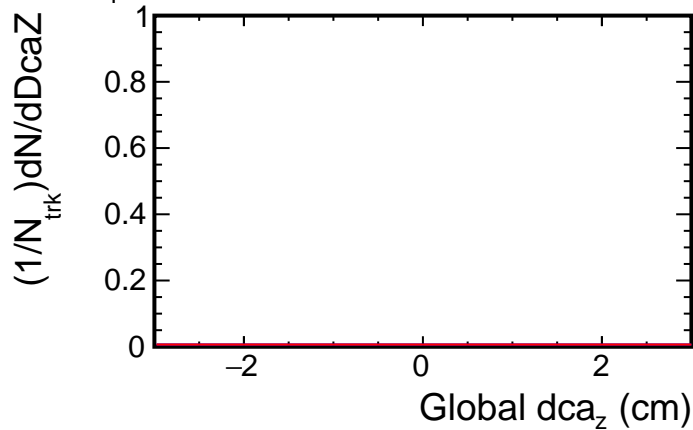
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

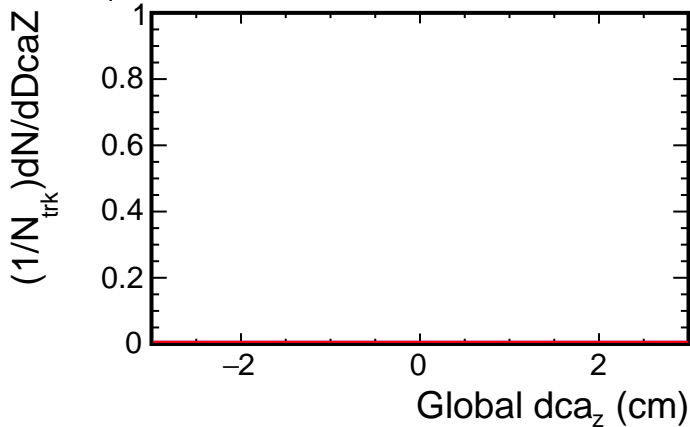
2, $3.0 < p_T < 3.5$ (GeV/c)



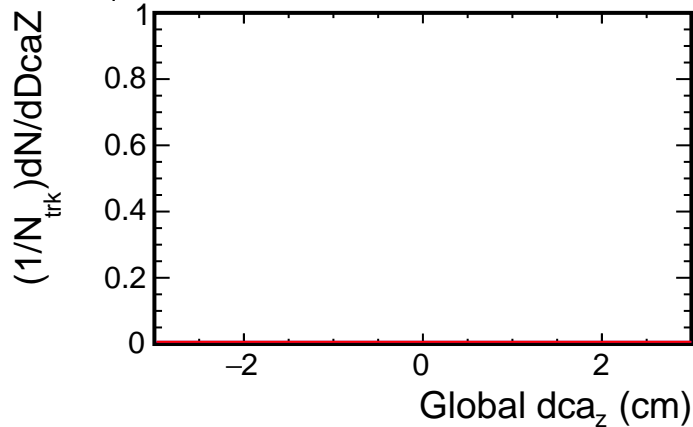
4, $3.0 < p_T < 3.5$ (GeV/c)



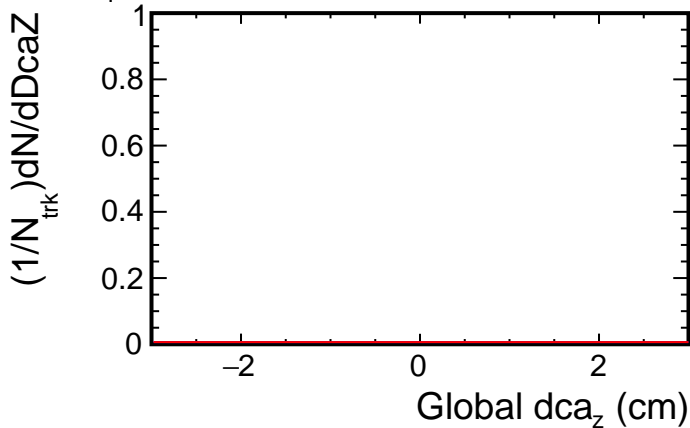
6, $3.0 < p_T < 3.5$ (GeV/c)



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



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

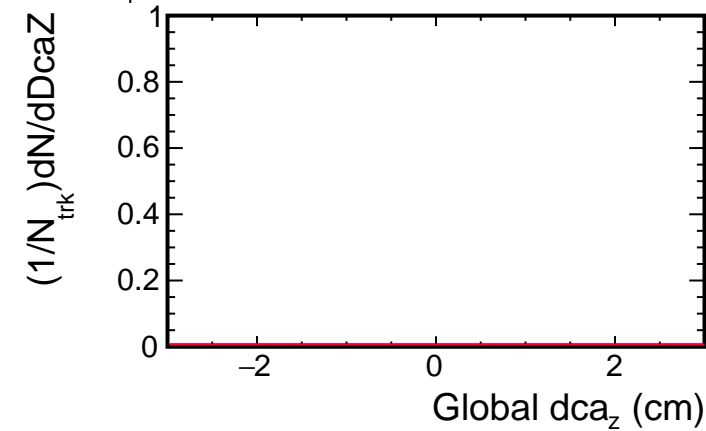


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

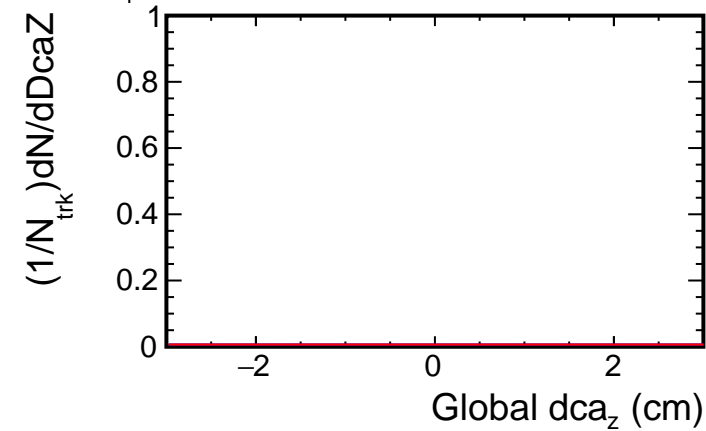
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

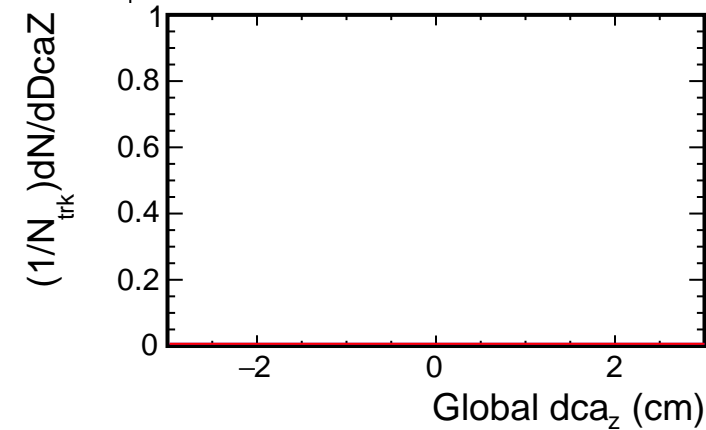
1.8, $3.5 < p_T < 4.0$ (GeV/c)



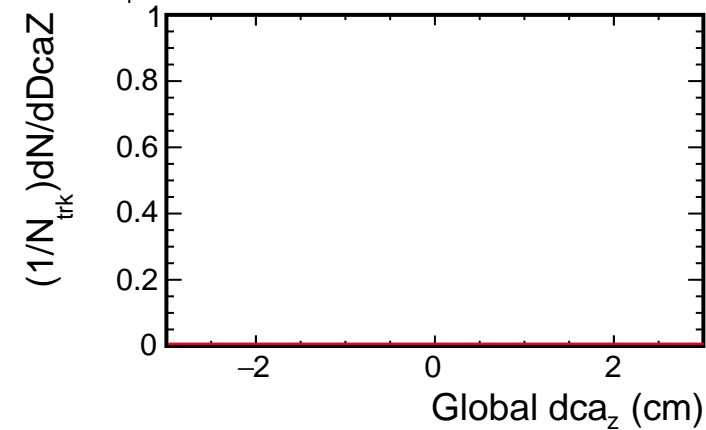
1.6, $3.5 < p_T < 4.0$ (GeV/c)



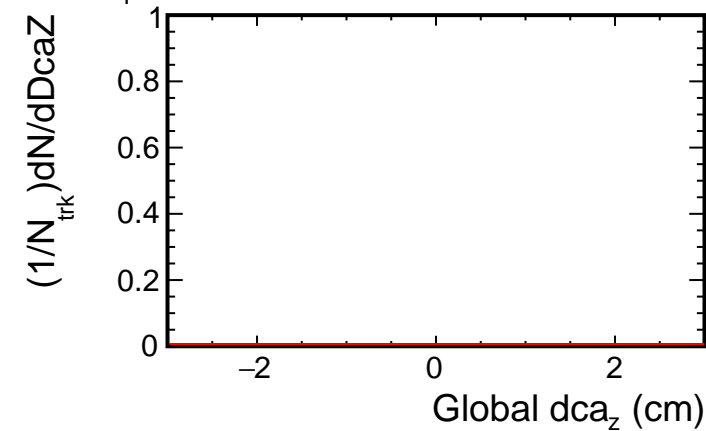
1.4, $3.5 < p_T < 4.0$ (GeV/c)



1.2, $3.5 < p_T < 4.0$ (GeV/c)



1.0, $3.5 < p_T < 4.0$ (GeV/c)

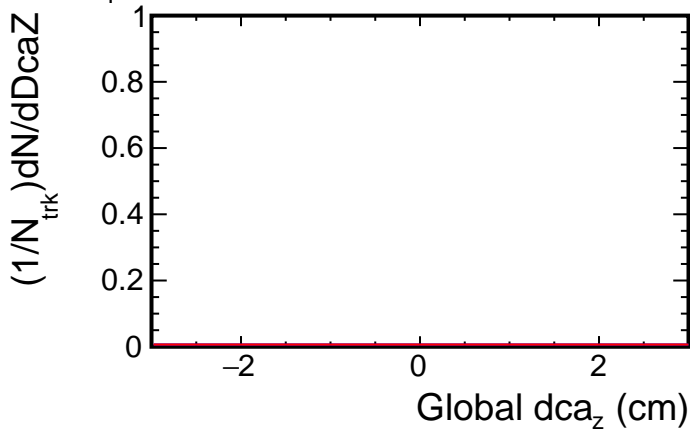


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

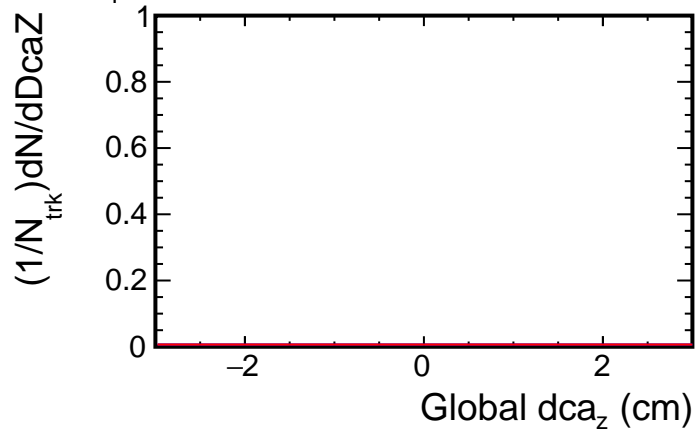
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

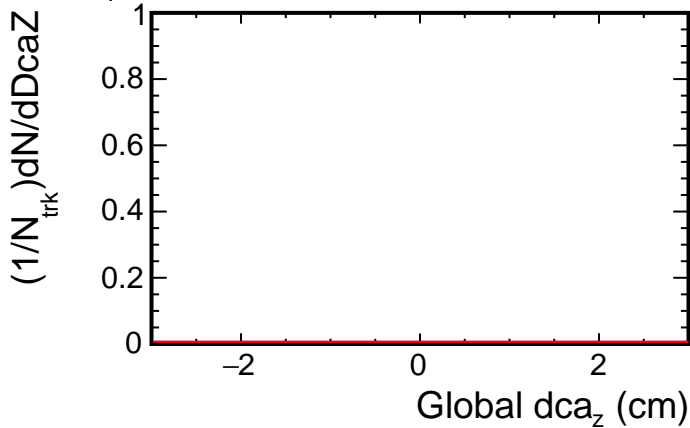
2, $3.5 < p_T < 4.0$ (GeV/c)



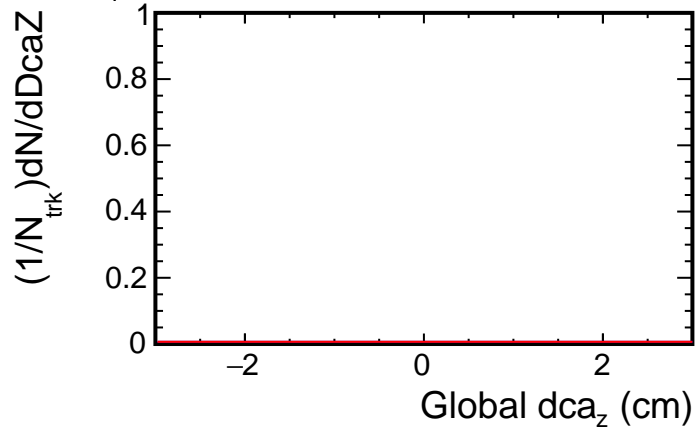
4, $3.5 < p_T < 4.0$ (GeV/c)



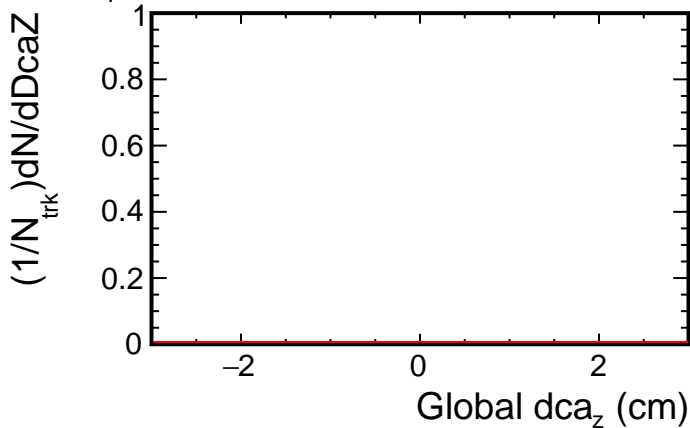
6, $3.5 < p_T < 4.0$ (GeV/c)



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



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

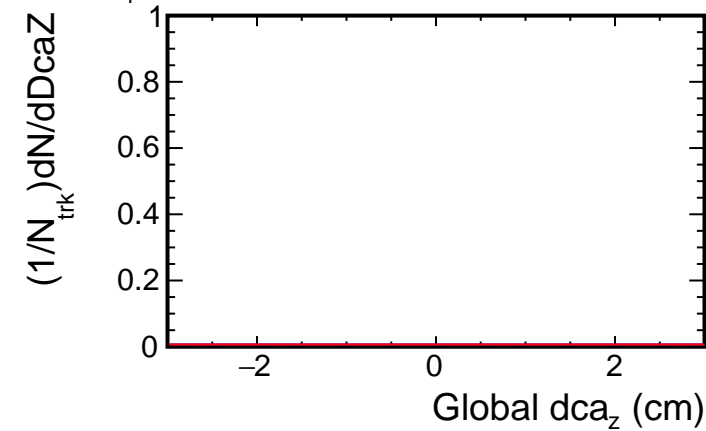


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

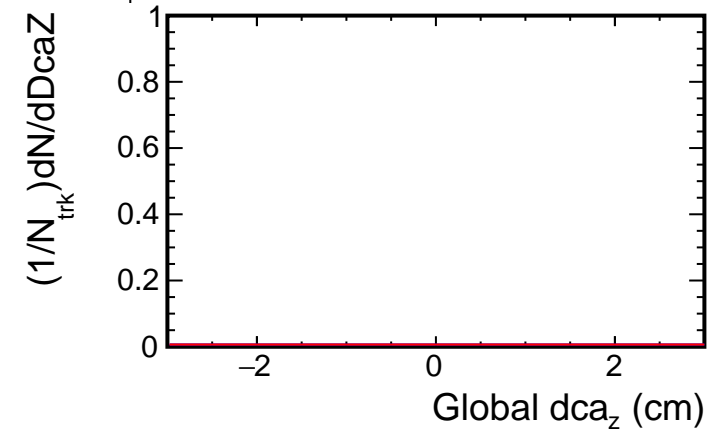
— pi-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

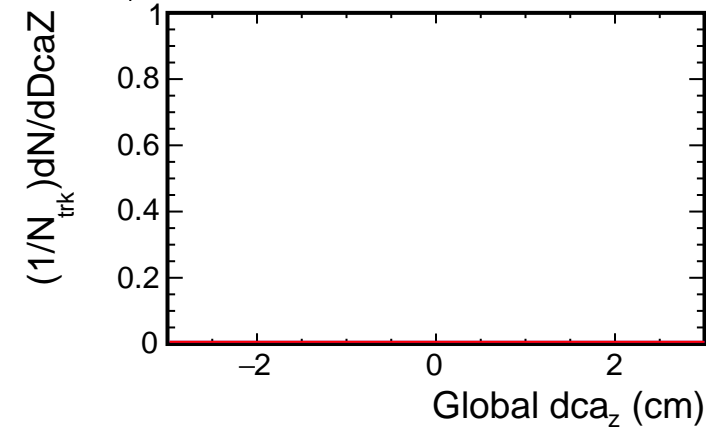
1.8, $4.0 < p_T < 4.5$ (GeV/c)



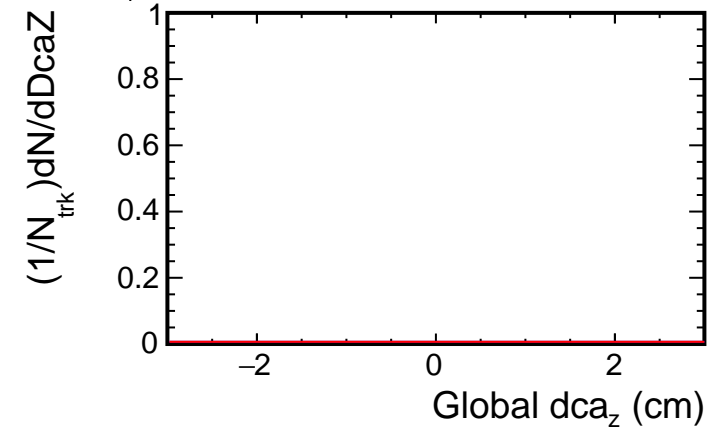
1.6, $4.0 < p_T < 4.5$ (GeV/c)



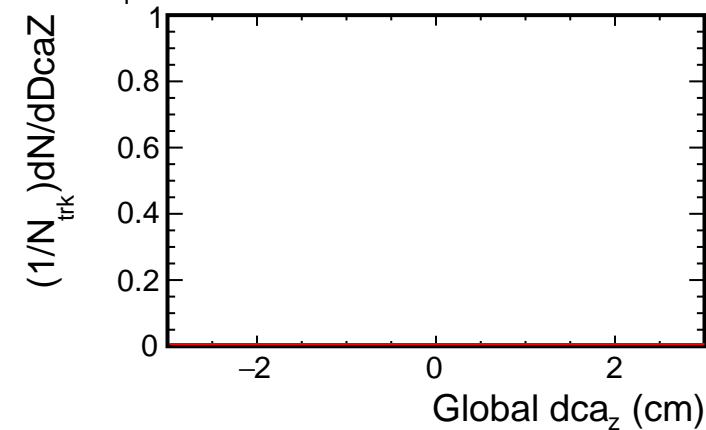
1.4, $4.0 < p_T < 4.5$ (GeV/c)



1.2, $4.0 < p_T < 4.5$ (GeV/c)



1.0, $4.0 < p_T < 4.5$ (GeV/c)

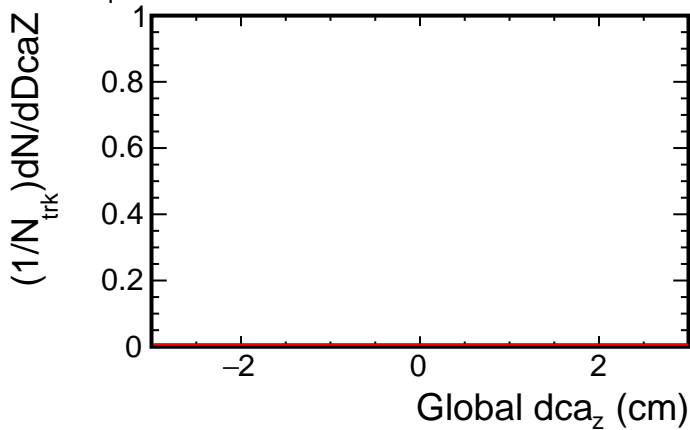


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

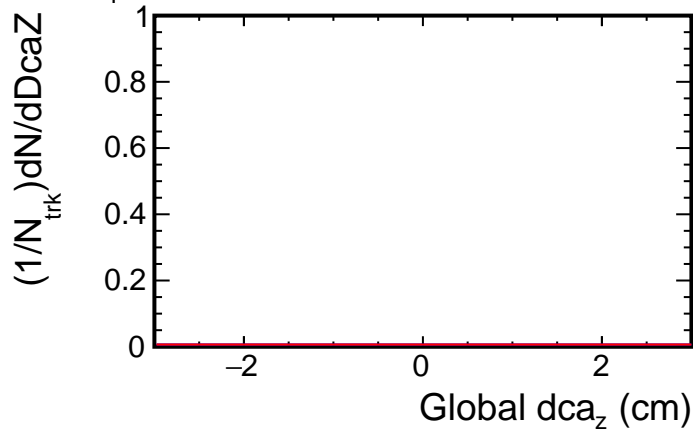
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

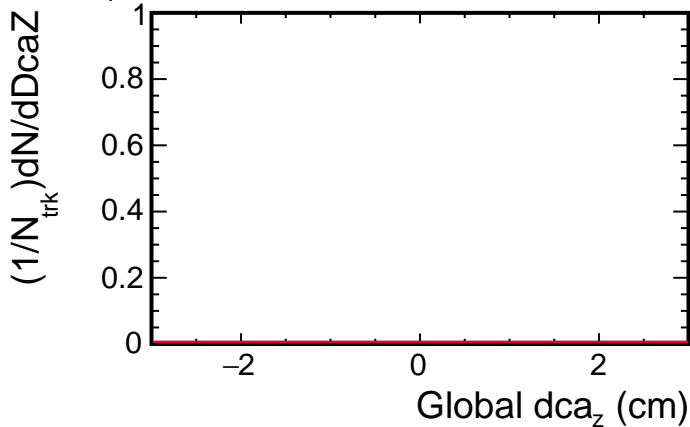
2, $4.0 < p_T < 4.5$ (GeV/c)



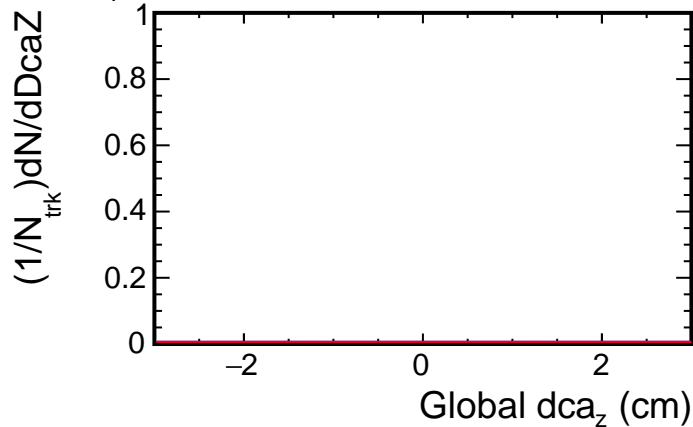
4, $4.0 < p_T < 4.5$ (GeV/c)



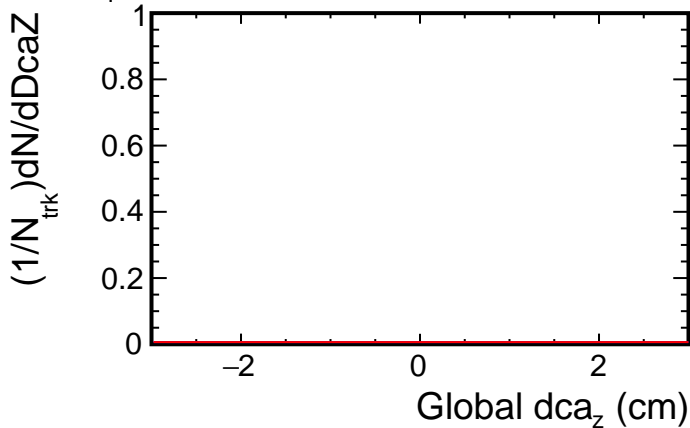
6, $4.0 < p_T < 4.5$ (GeV/c)



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



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

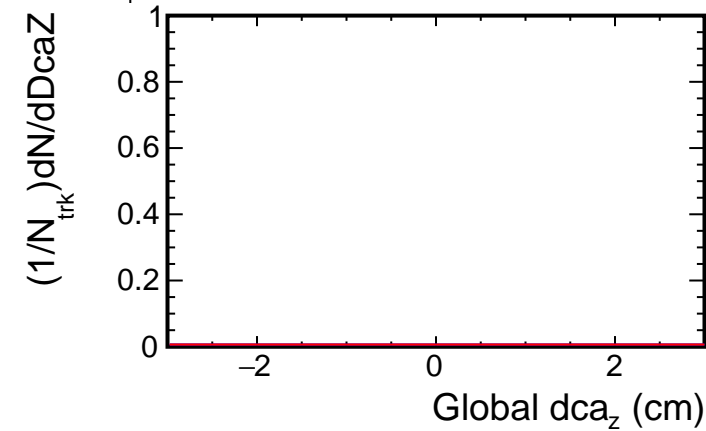


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

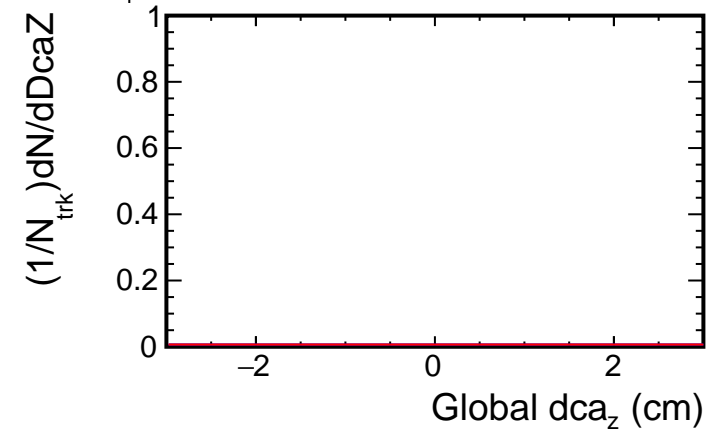
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

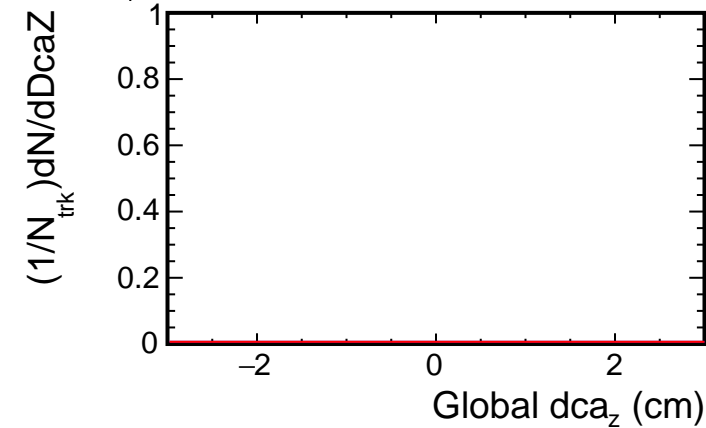
1.8, $4.5 < p_T < 5.0$ (GeV/c)



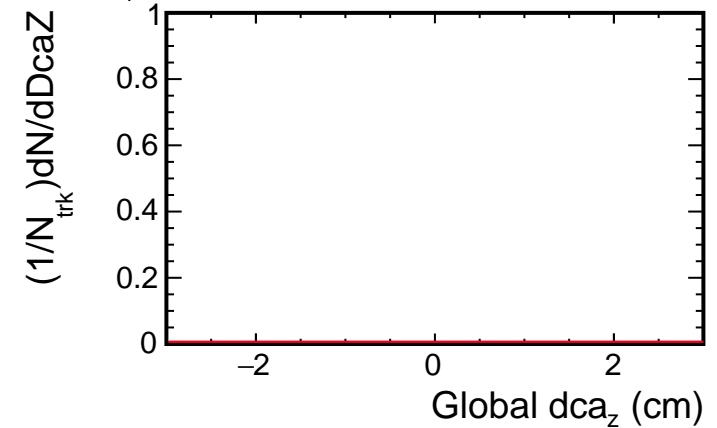
1.6, $4.5 < p_T < 5.0$ (GeV/c)



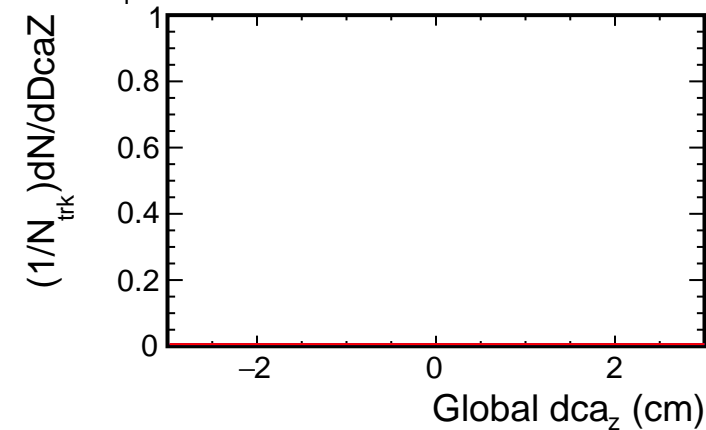
1.4, $4.5 < p_T < 5.0$ (GeV/c)



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



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

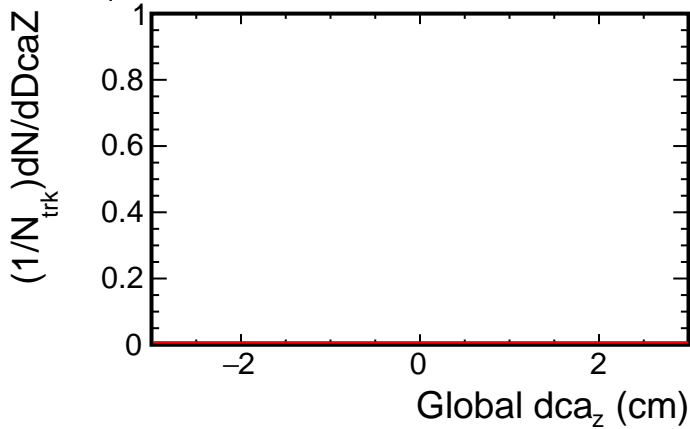


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

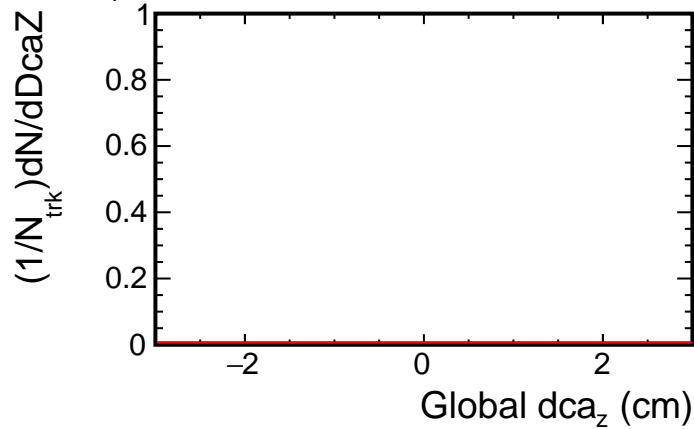
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

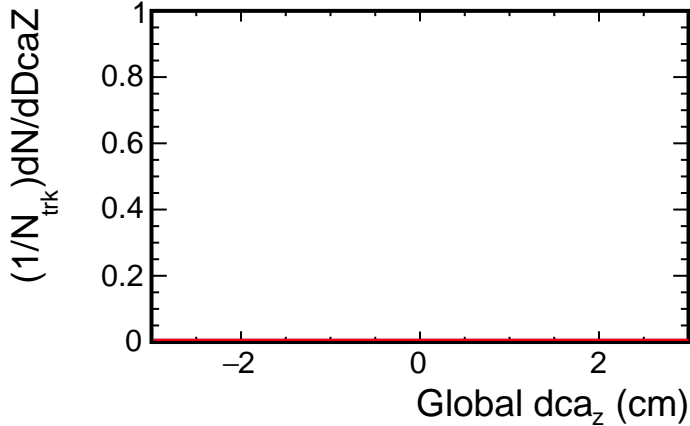
2, $4.5 < p_T < 5.0$ (GeV/c)



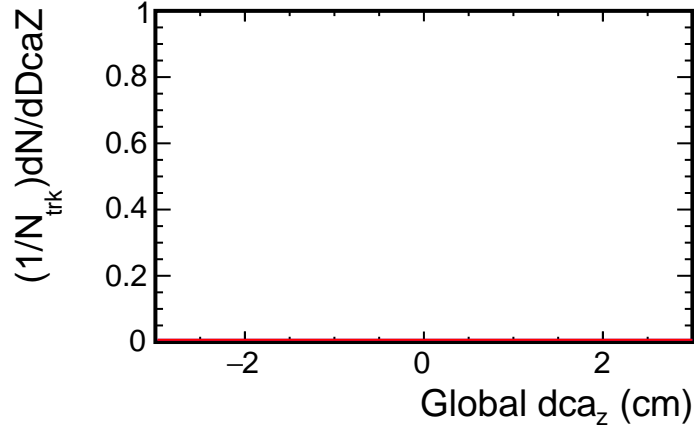
4, $4.5 < p_T < 5.0$ (GeV/c)



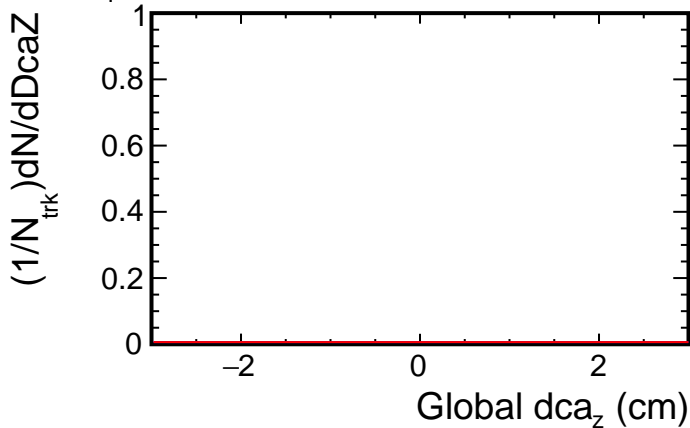
6, $4.5 < p_T < 5.0$ (GeV/c)



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



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

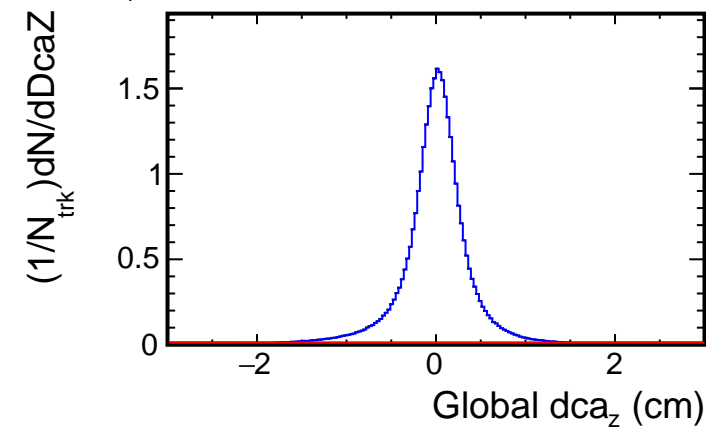


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

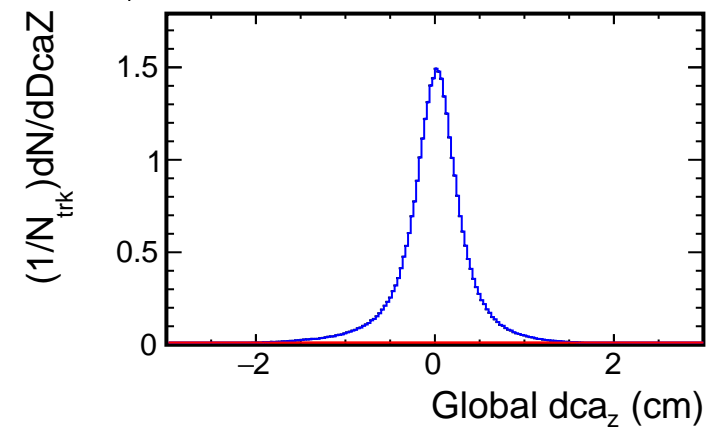
— pi-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

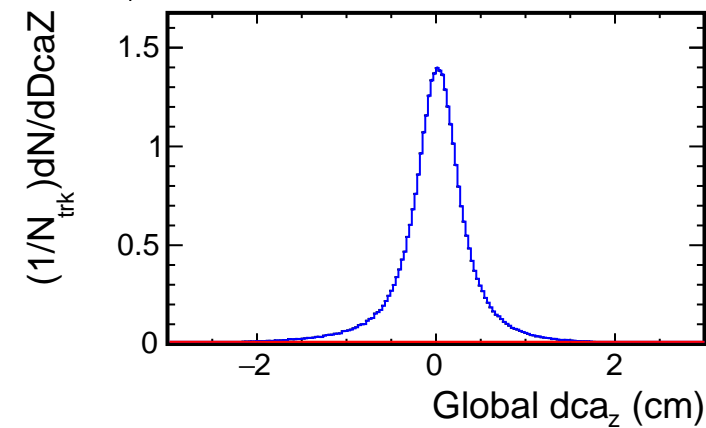
1.8, $0.1 < p_T < 0.5$ (GeV/c)



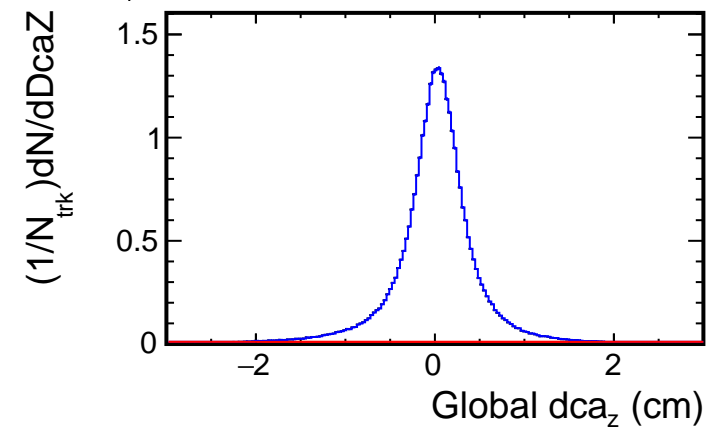
1.6, $0.1 < p_T < 0.5$ (GeV/c)



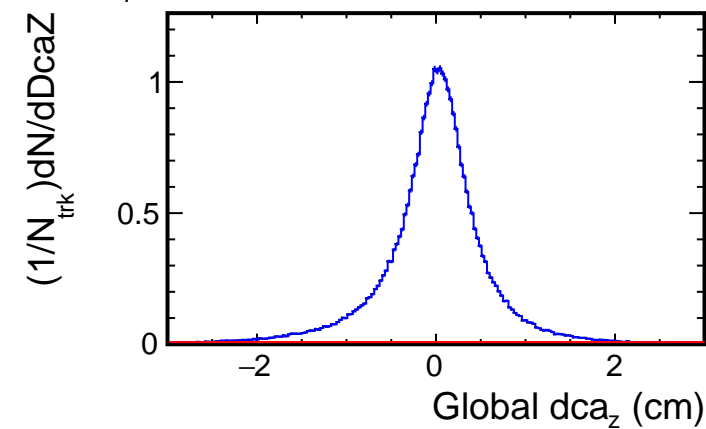
1.4, $0.1 < p_T < 0.5$ (GeV/c)



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



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

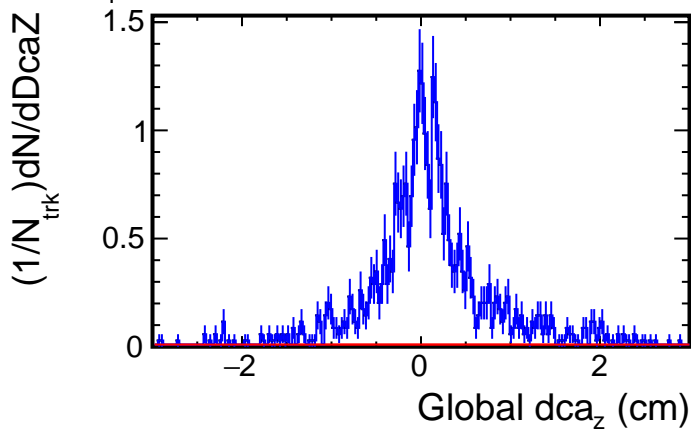


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

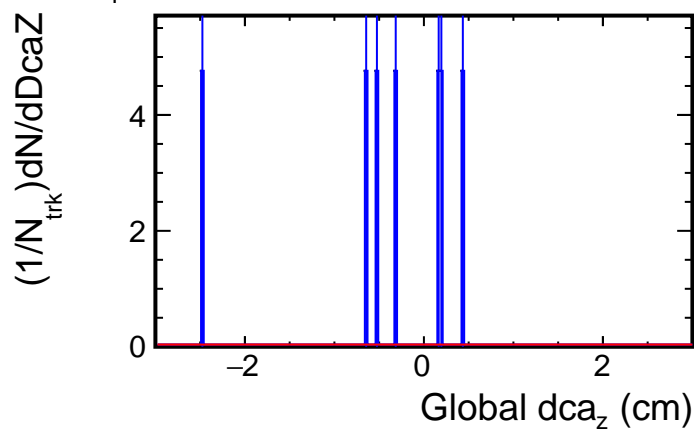
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

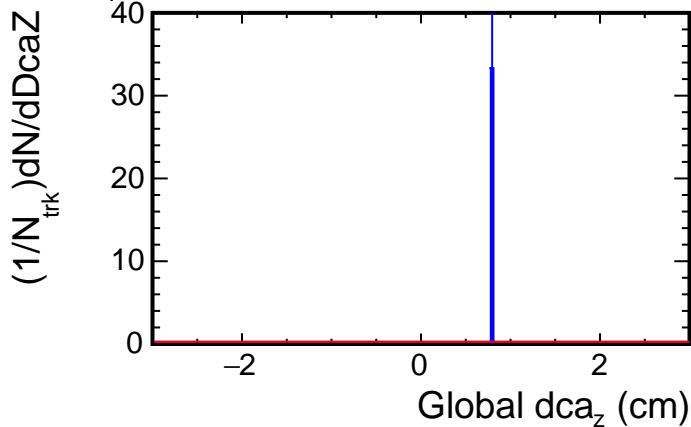
2, $0.1 < p_T < 0.5$ (GeV/c)



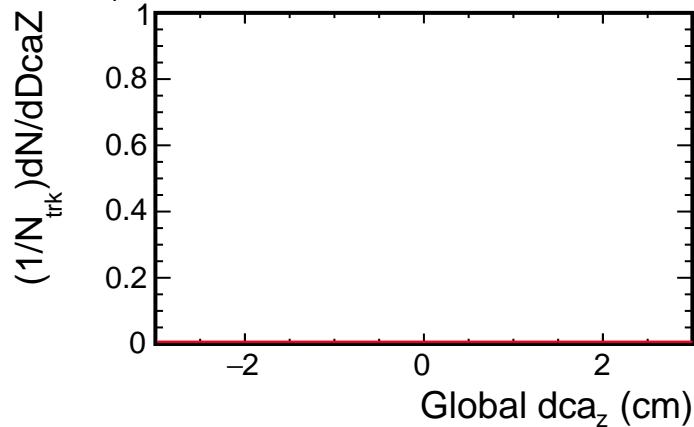
4, $0.1 < p_T < 0.5$ (GeV/c)



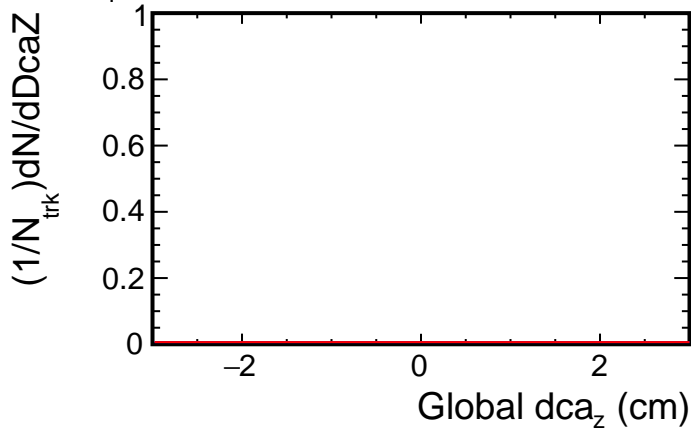
6, $0.1 < p_T < 0.5$ (GeV/c)



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



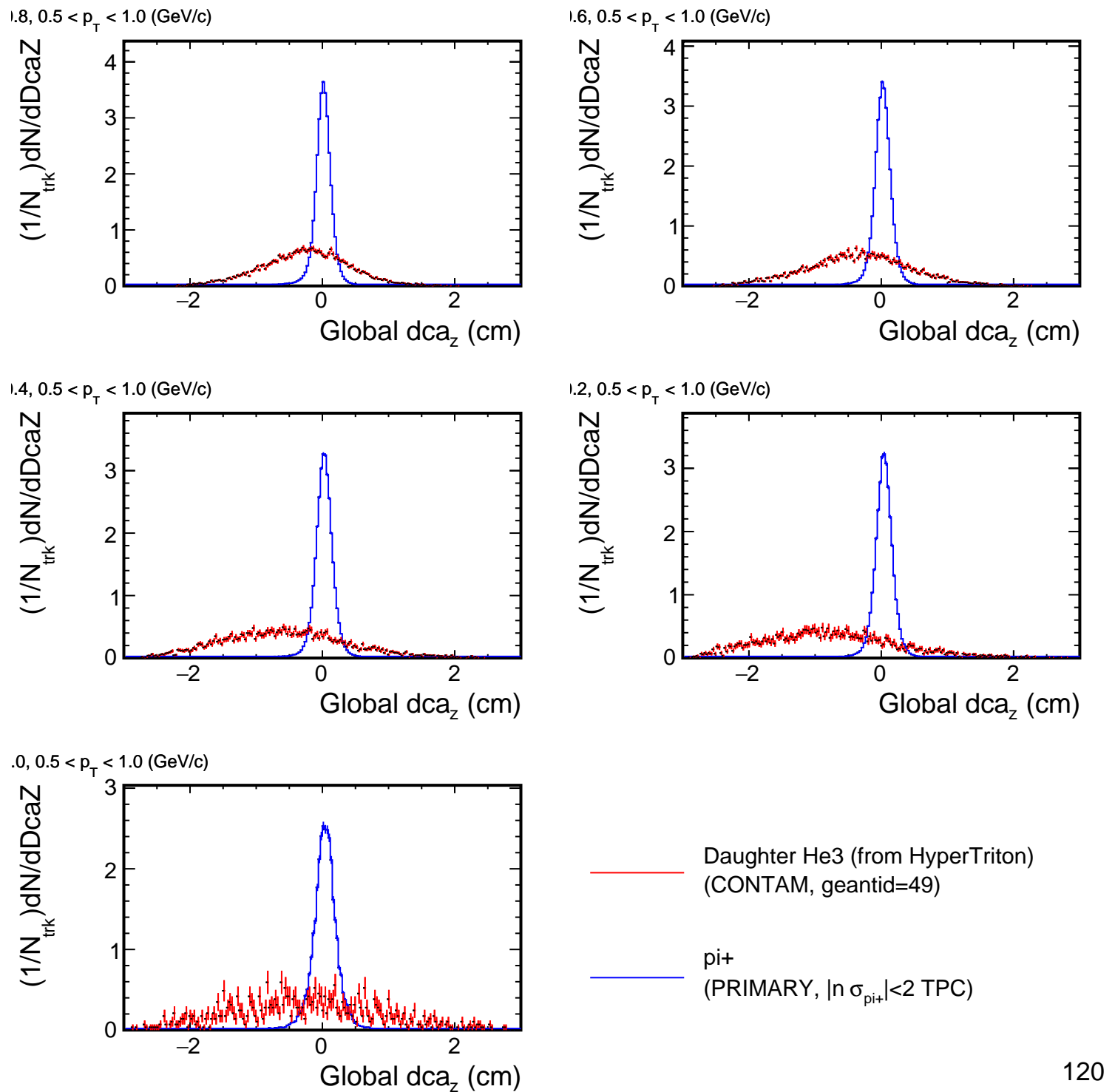
0, $0.1 < p_T < 0.5$ (GeV/c)



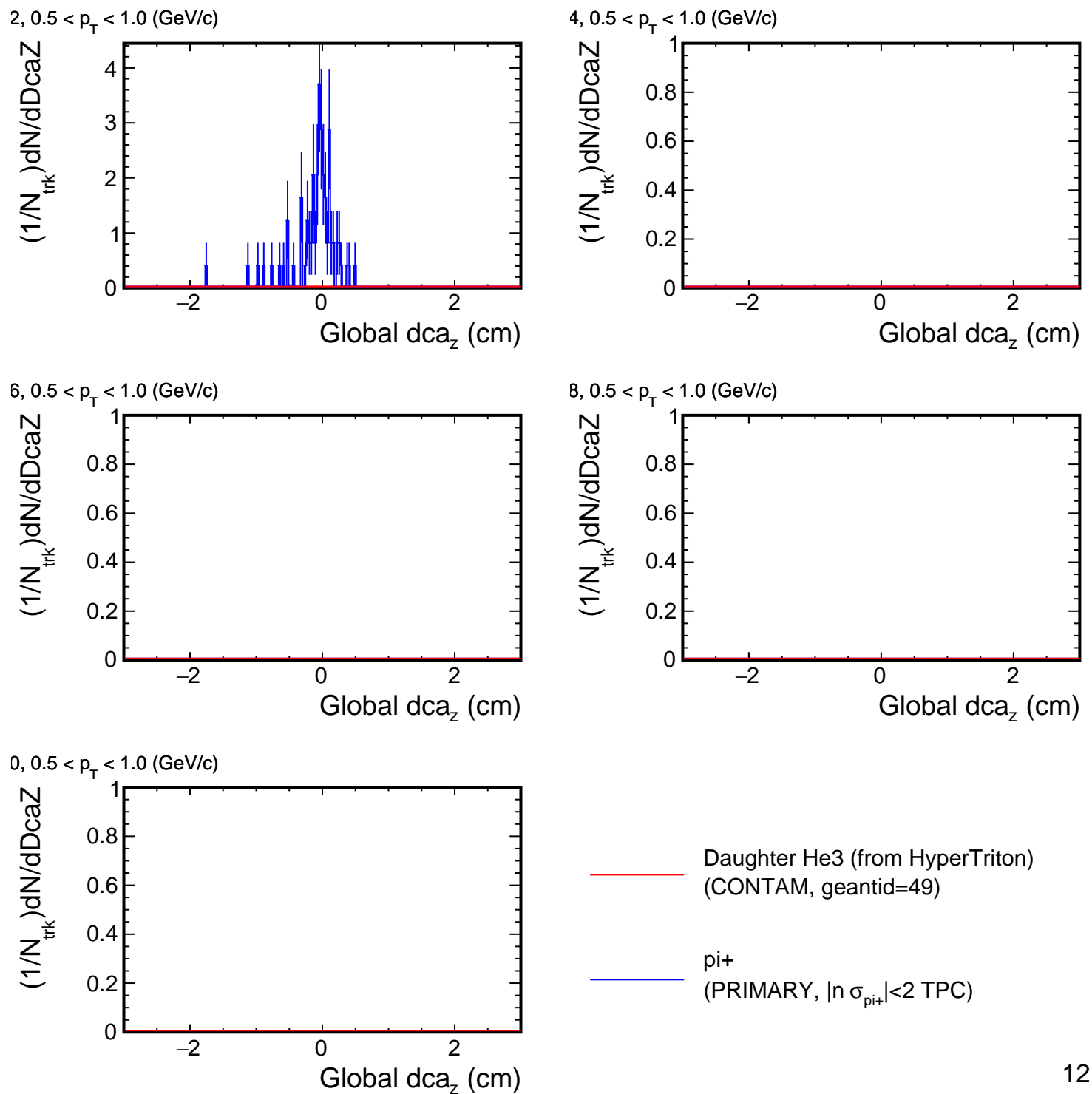
— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

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

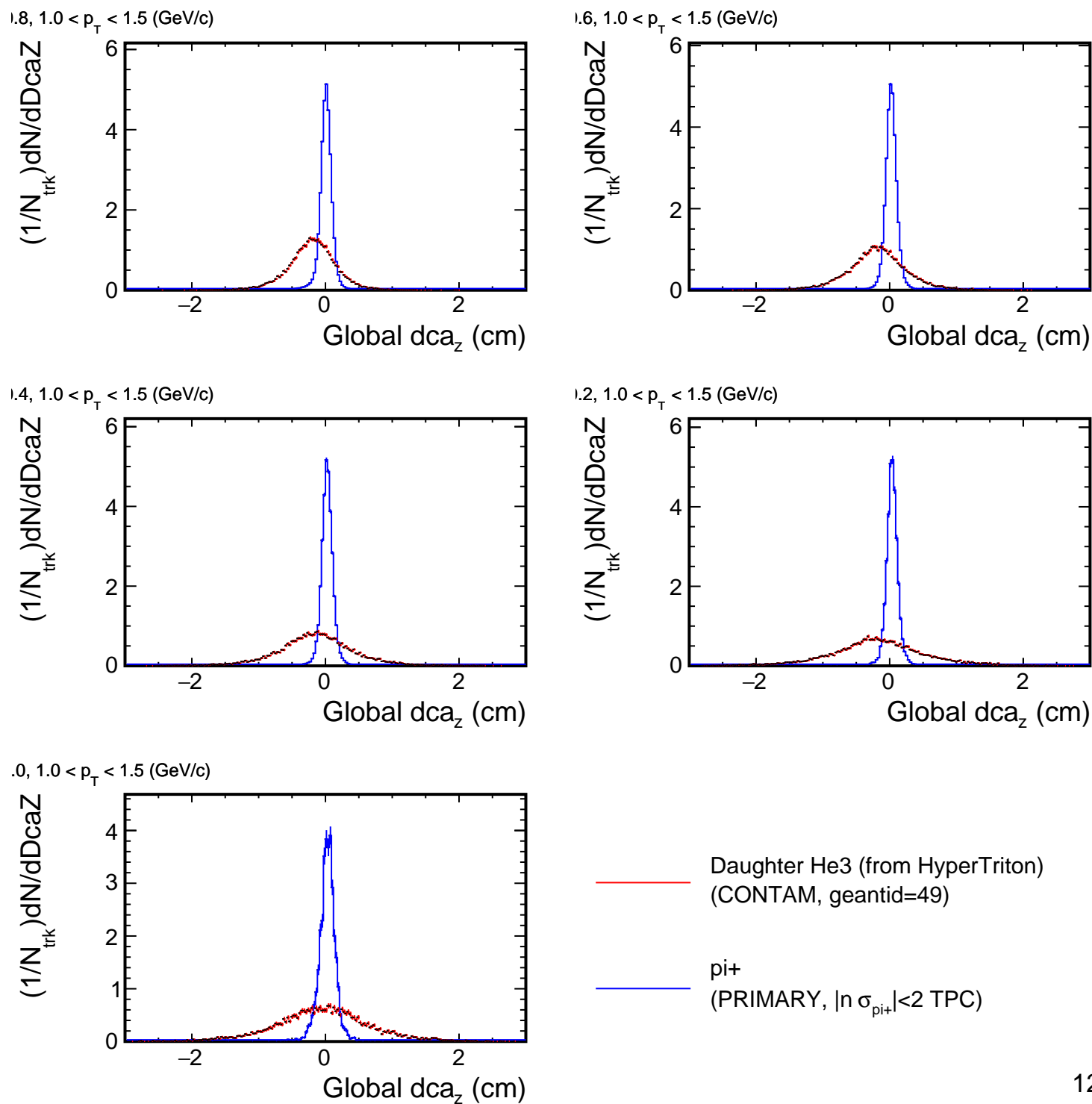
DcaZ distribution for (p_T , η) slices



DcaZ distribution for (p_T , η) slices

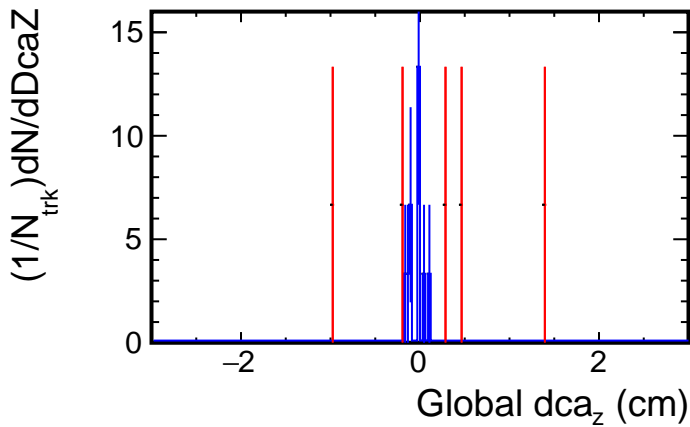


DcaZ distribution for (p_T , η) slices

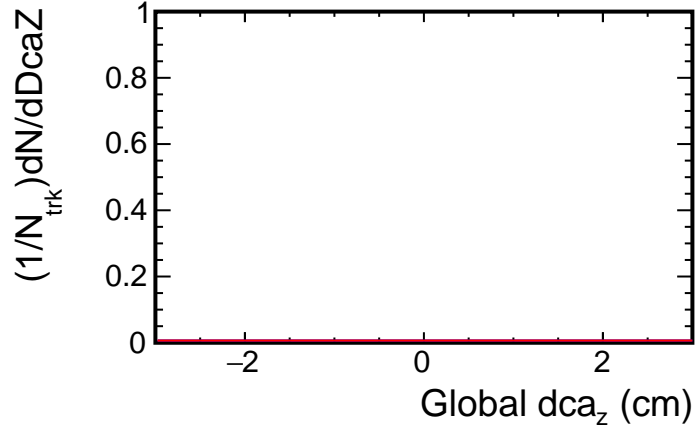


DcaZ distribution for (p_T , η) slices

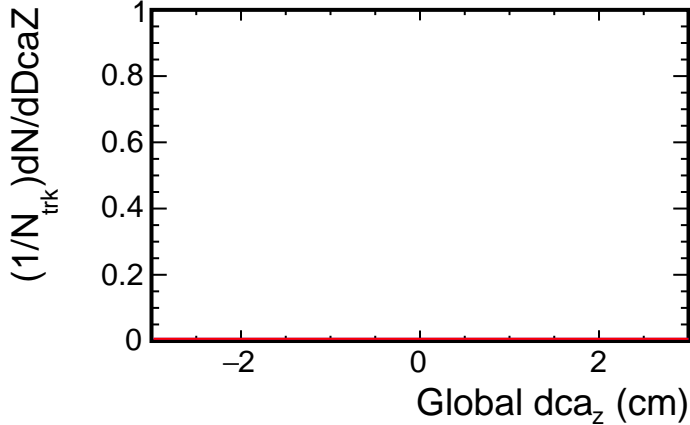
2, $1.0 < p_T < 1.5$ (GeV/c)



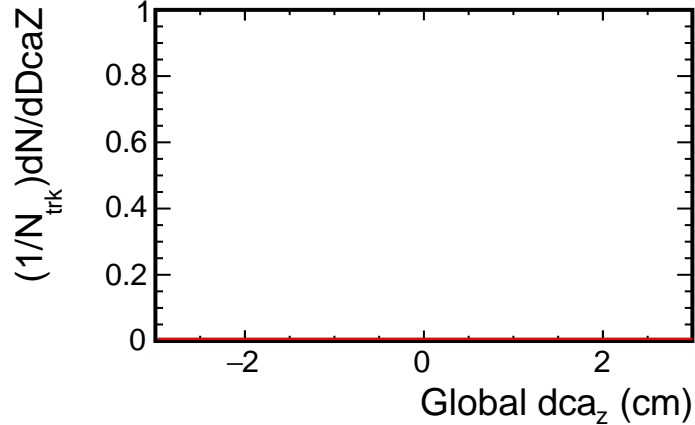
4, $1.0 < p_T < 1.5$ (GeV/c)



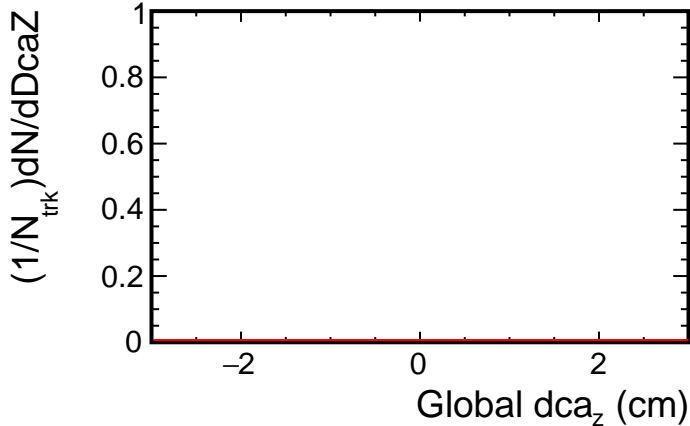
6, $1.0 < p_T < 1.5$ (GeV/c)



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



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

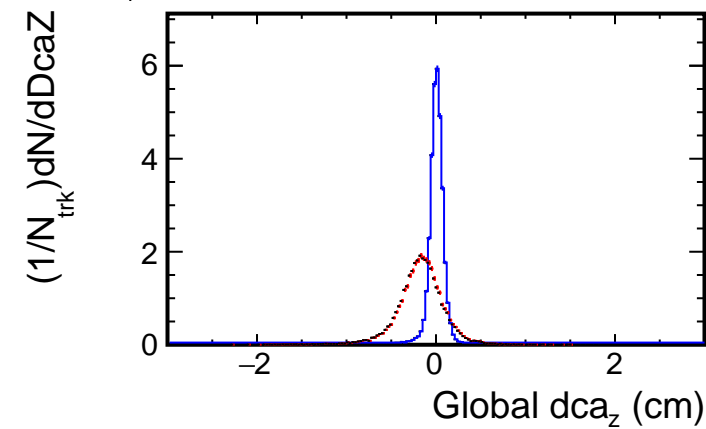


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

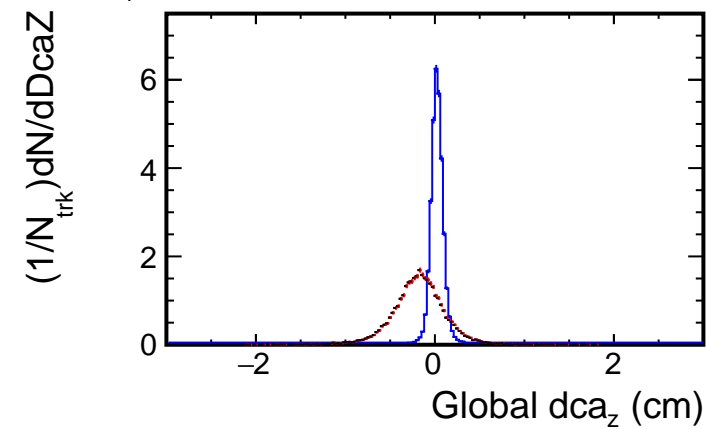
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

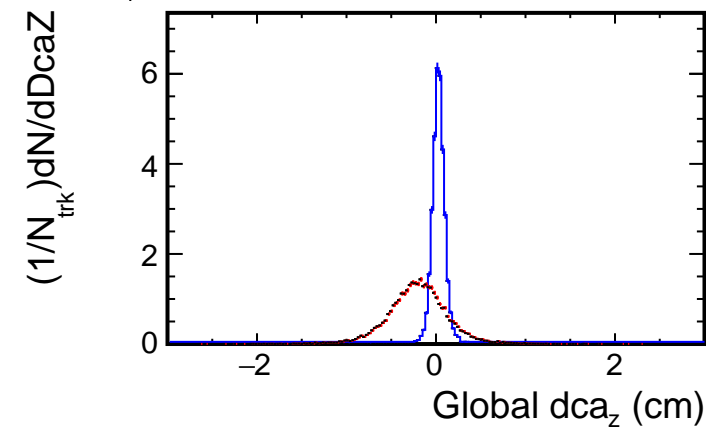
1.8, $1.5 < p_T < 2.0$ (GeV/c)



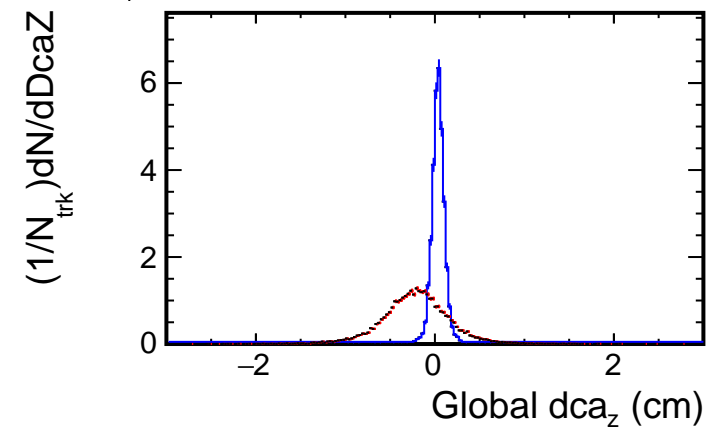
1.6, $1.5 < p_T < 2.0$ (GeV/c)



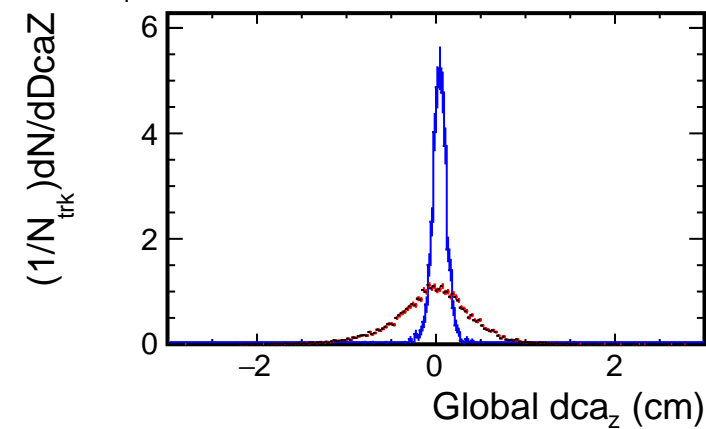
1.4, $1.5 < p_T < 2.0$ (GeV/c)



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



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

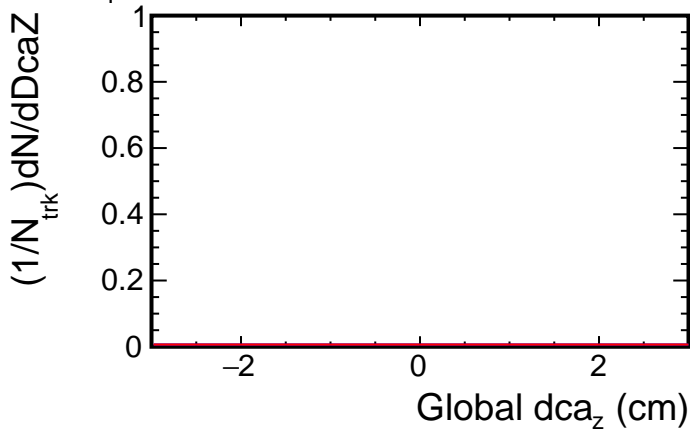


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

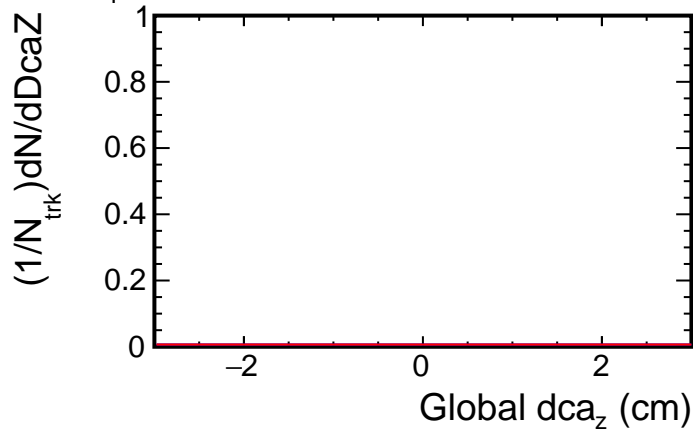
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

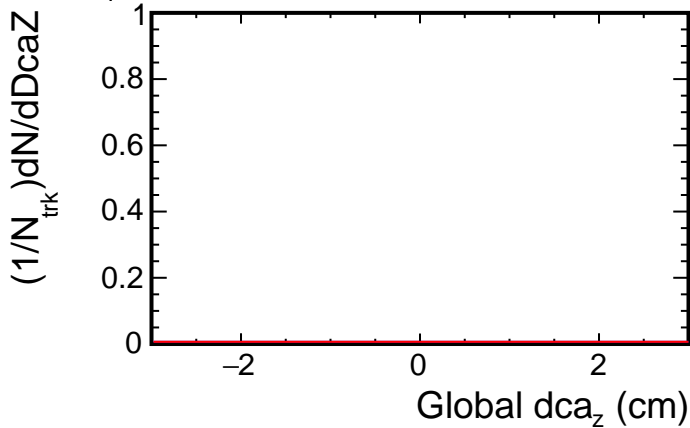
2, $1.5 < p_T < 2.0$ (GeV/c)



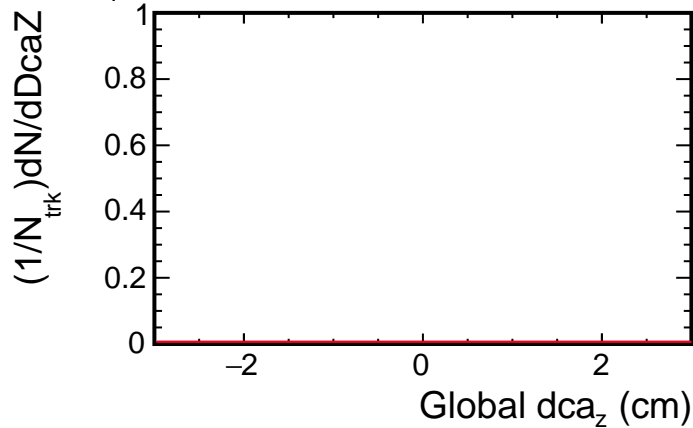
4, $1.5 < p_T < 2.0$ (GeV/c)



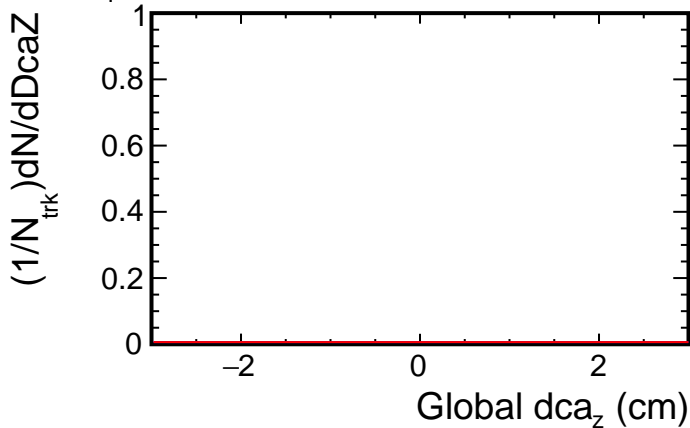
6, $1.5 < p_T < 2.0$ (GeV/c)



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



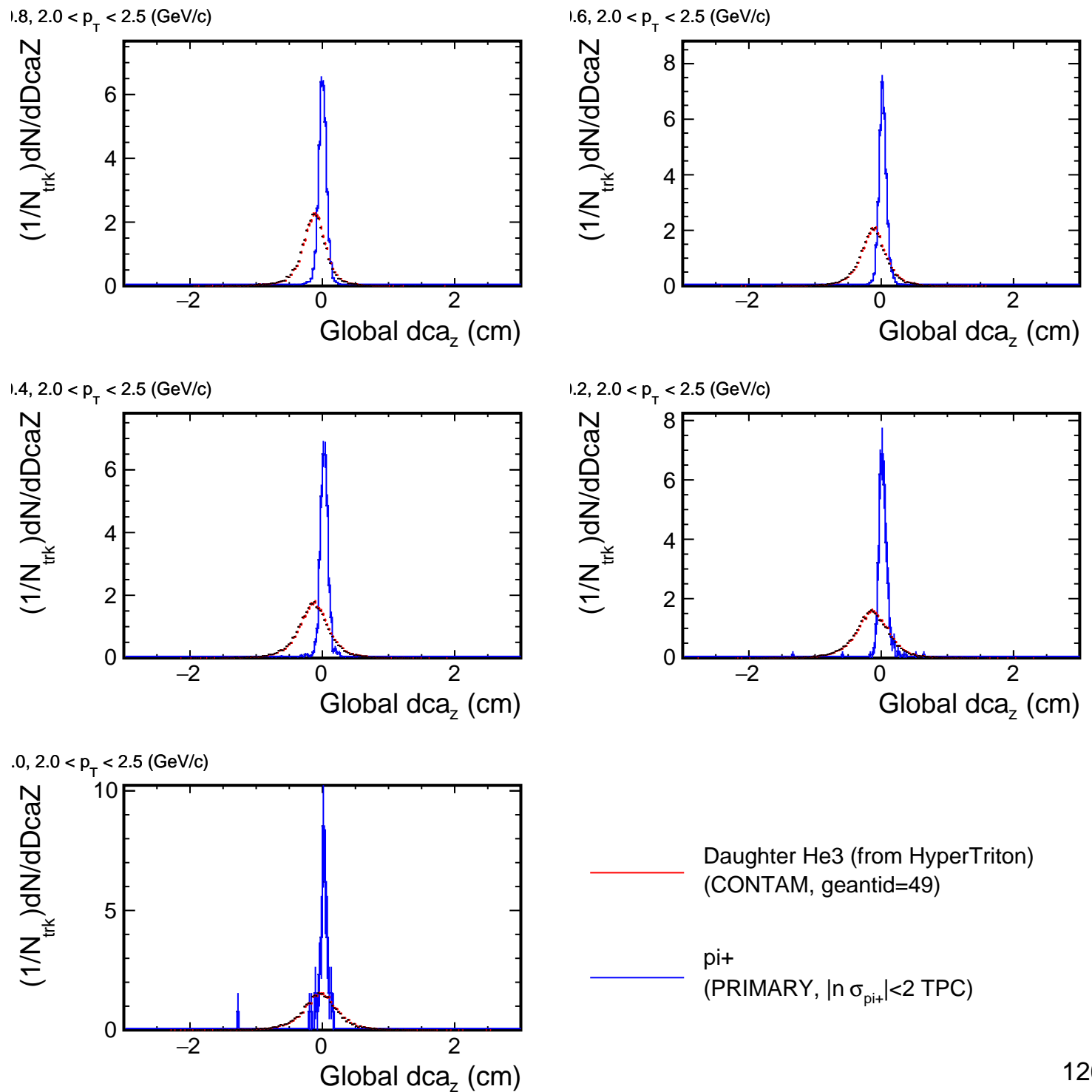
0, $1.5 < p_T < 2.0$ (GeV/c)



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

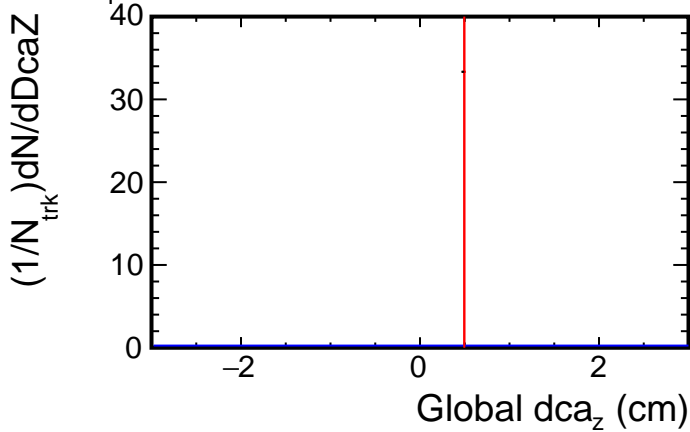
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

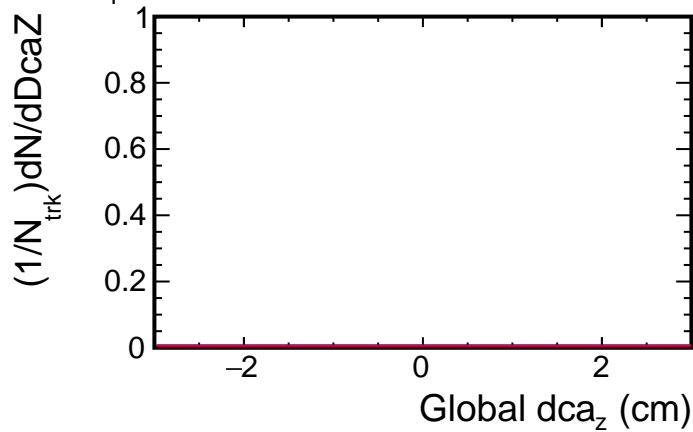


DcaZ distribution for (p_T , η) slices

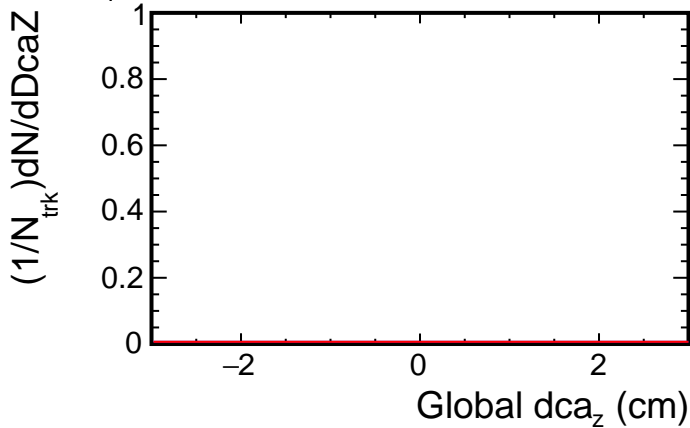
2, $2.0 < p_T < 2.5$ (GeV/c)



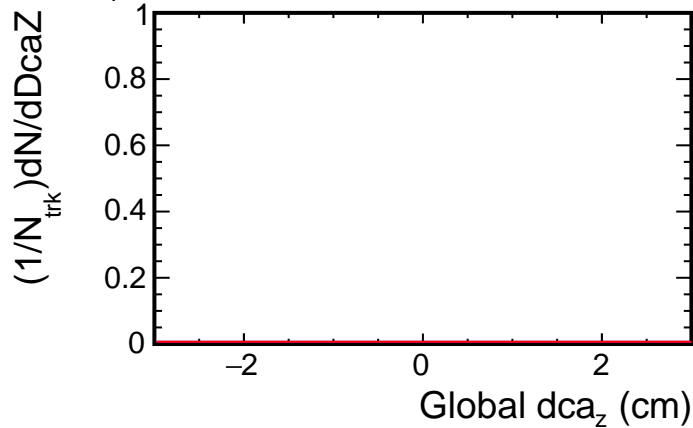
4, $2.0 < p_T < 2.5$ (GeV/c)



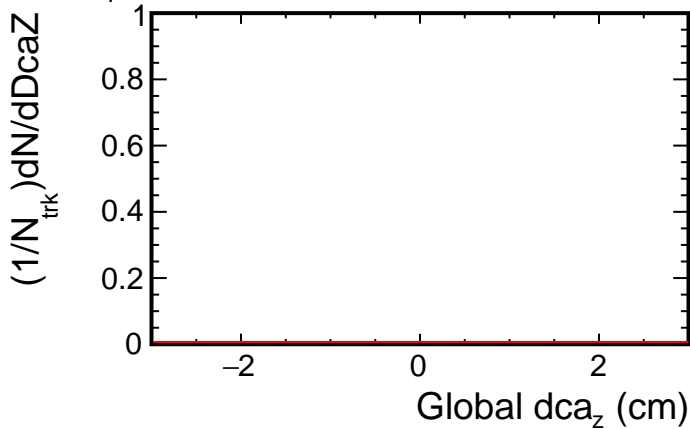
6, $2.0 < p_T < 2.5$ (GeV/c)



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



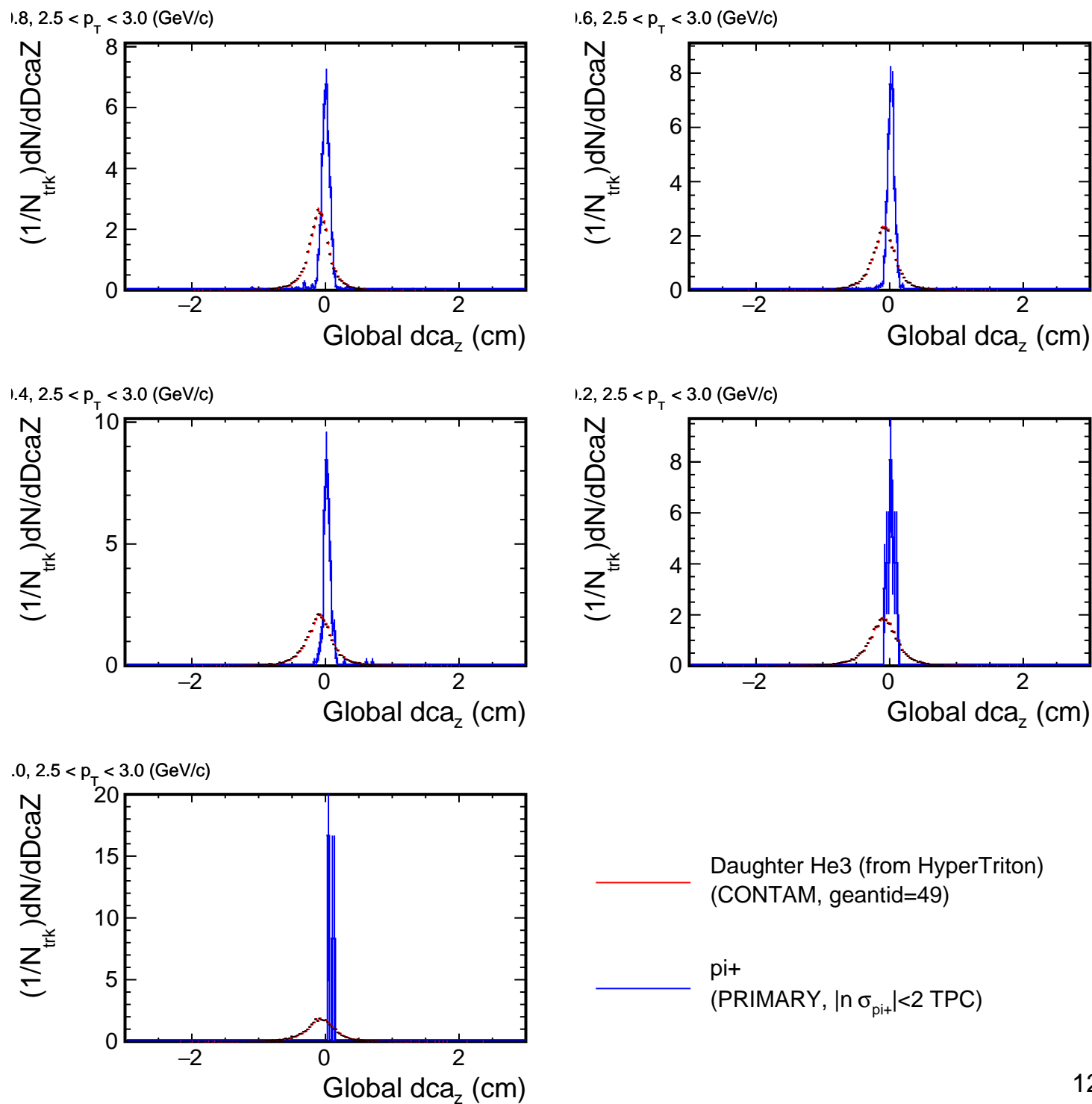
0, $2.0 < p_T < 2.5$ (GeV/c)



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

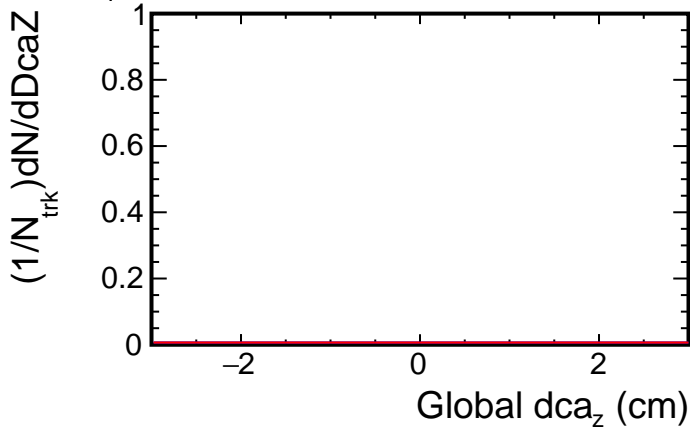
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

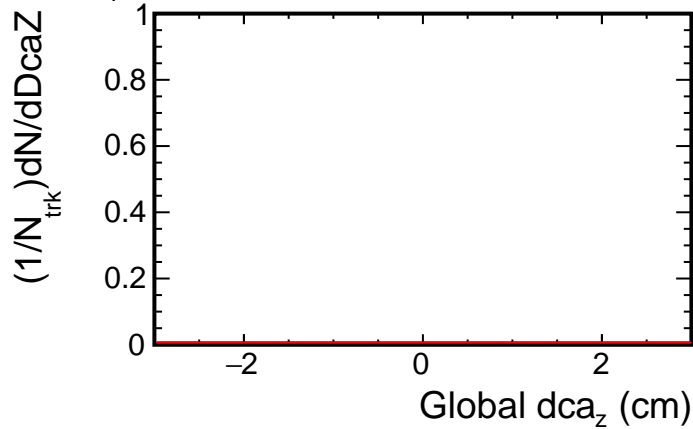


DcaZ distribution for (p_T , η) slices

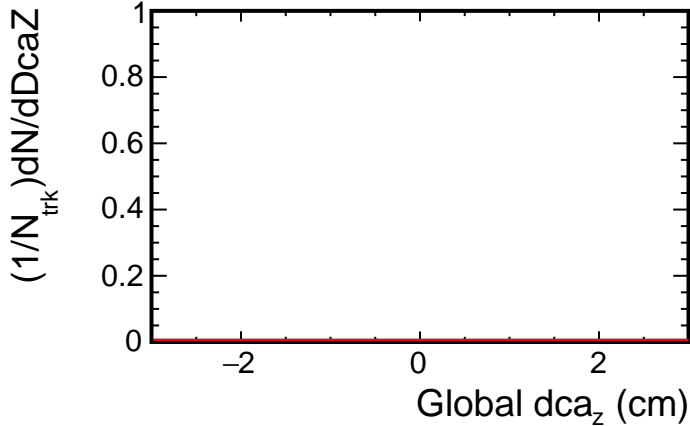
2, $2.5 < p_T < 3.0$ (GeV/c)



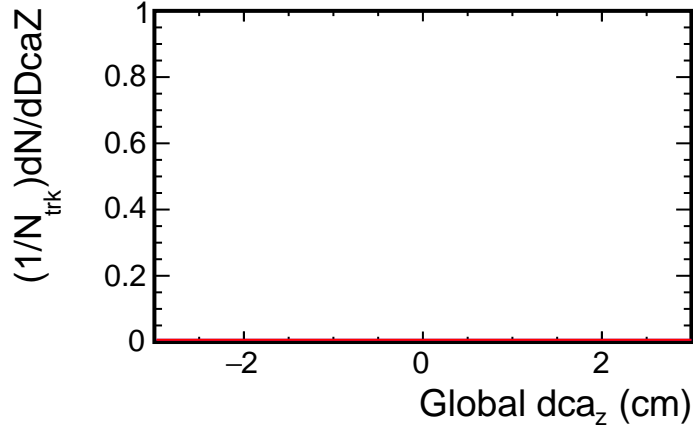
4, $2.5 < p_T < 3.0$ (GeV/c)



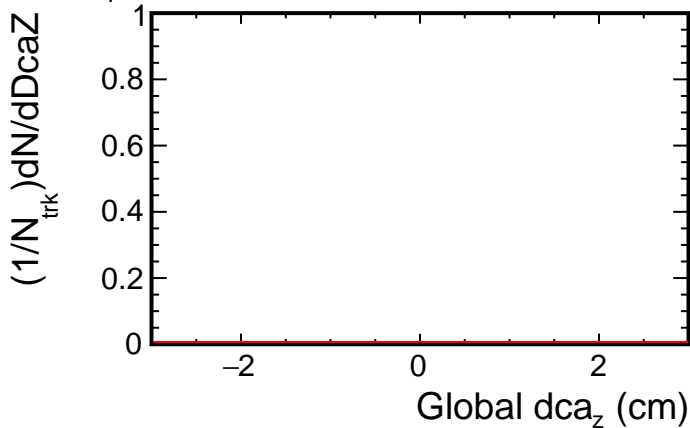
6, $2.5 < p_T < 3.0$ (GeV/c)



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



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

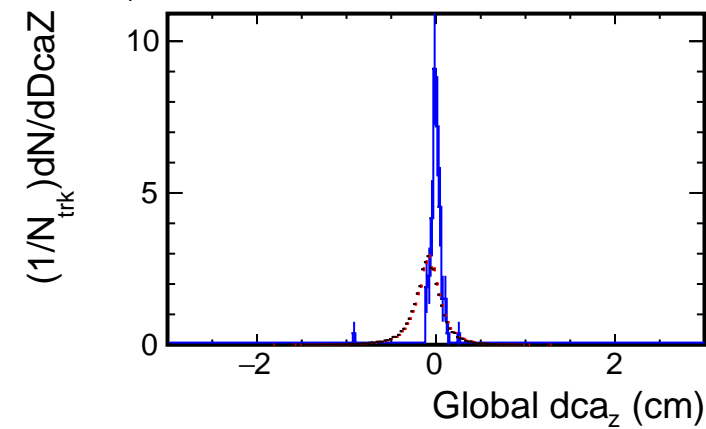


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

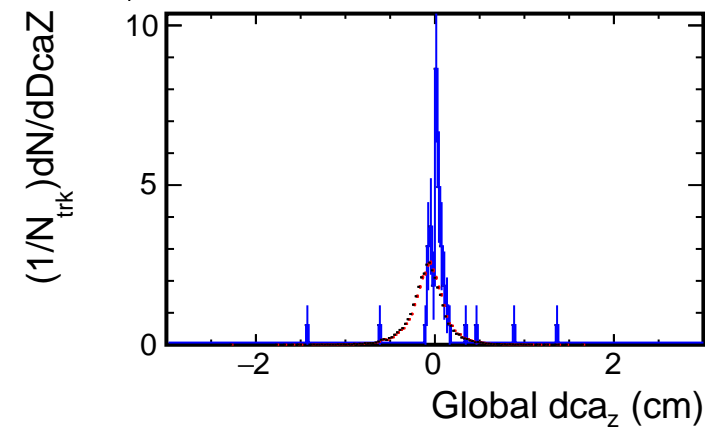
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

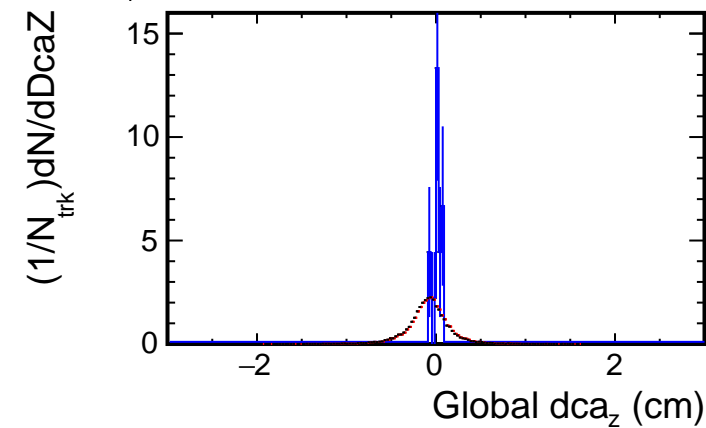
1.8, $3.0 < p_T < 3.5$ (GeV/c)



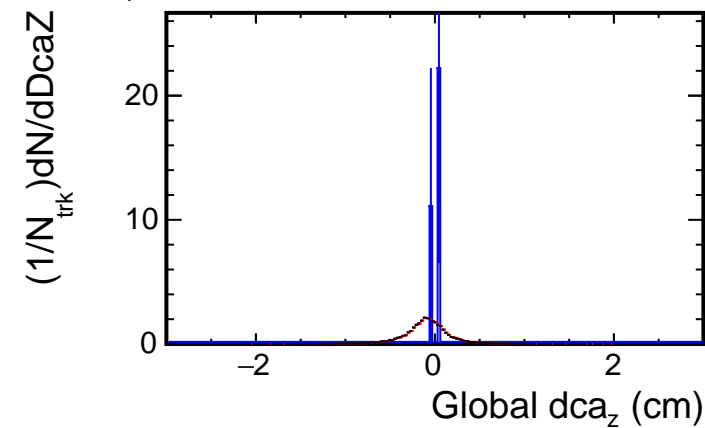
1.6, $3.0 < p_T < 3.5$ (GeV/c)



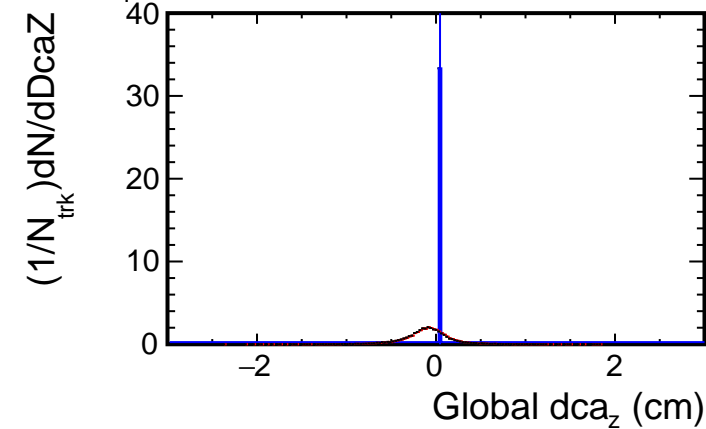
1.4, $3.0 < p_T < 3.5$ (GeV/c)



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



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

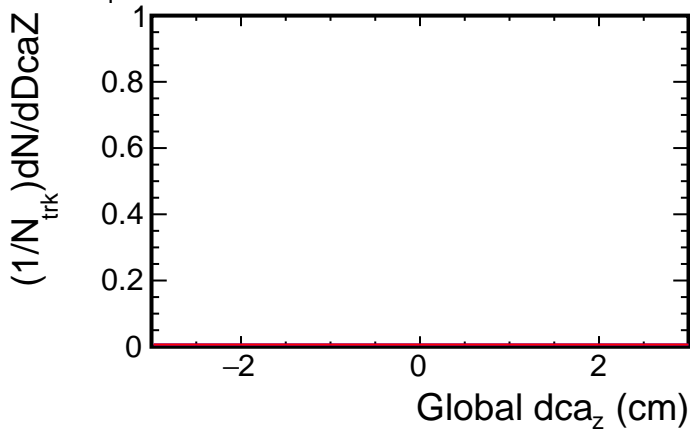


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

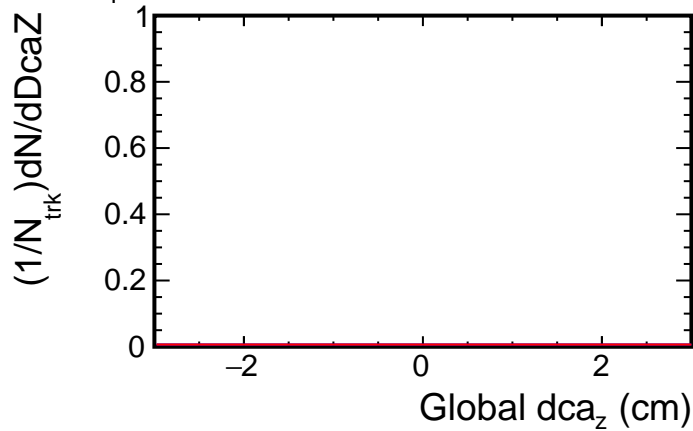
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

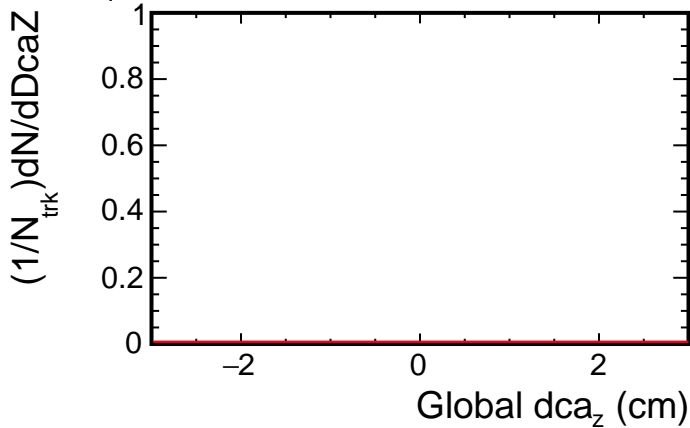
2, $3.0 < p_T < 3.5$ (GeV/c)



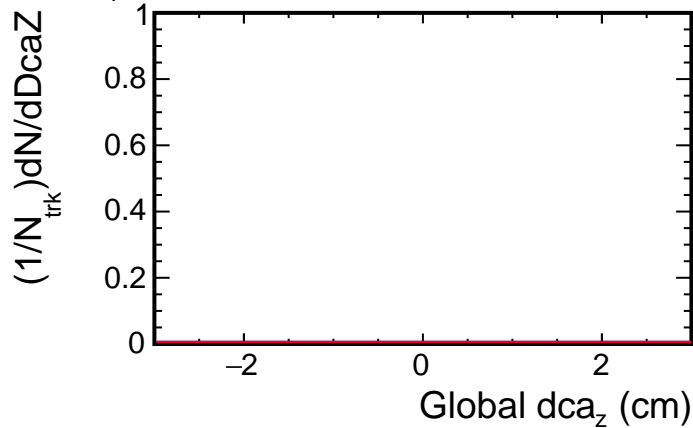
4, $3.0 < p_T < 3.5$ (GeV/c)



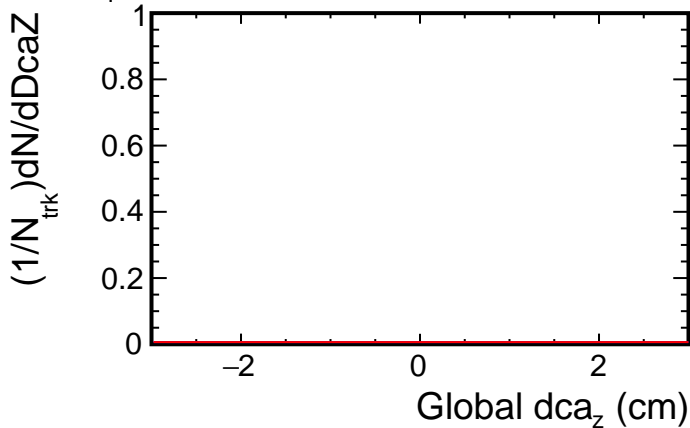
6, $3.0 < p_T < 3.5$ (GeV/c)



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



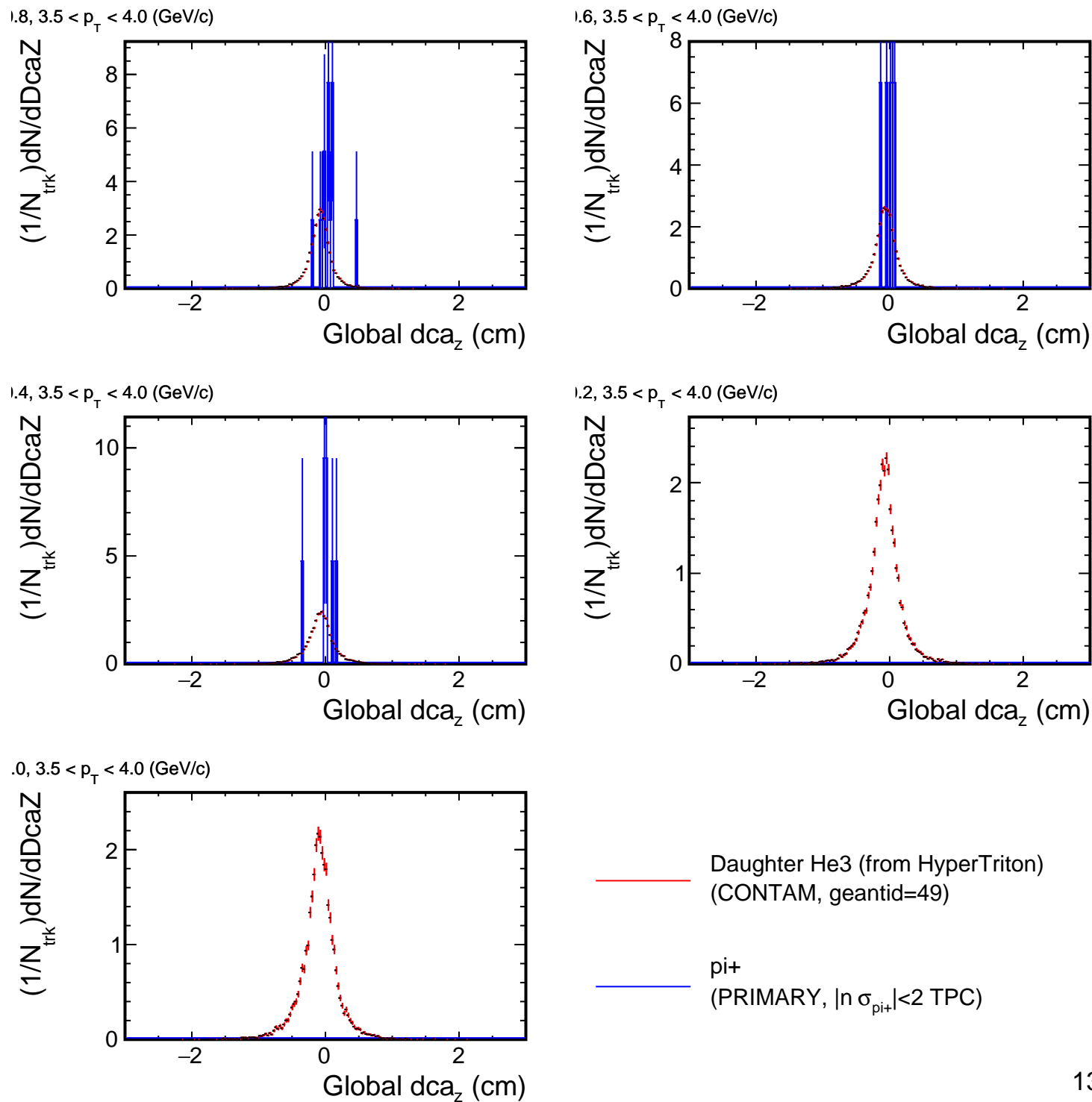
0, $3.0 < p_T < 3.5$ (GeV/c)



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

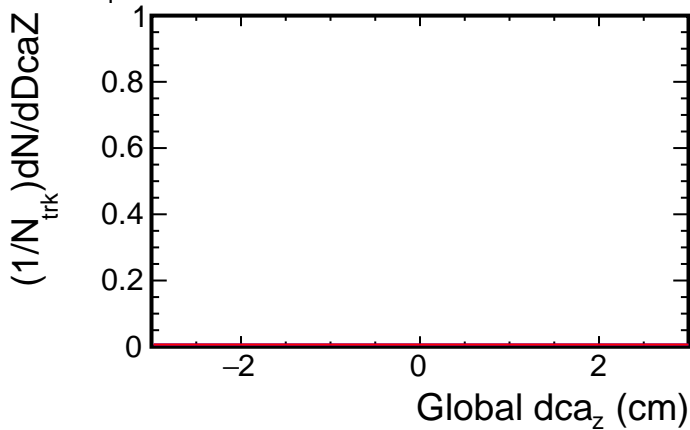
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

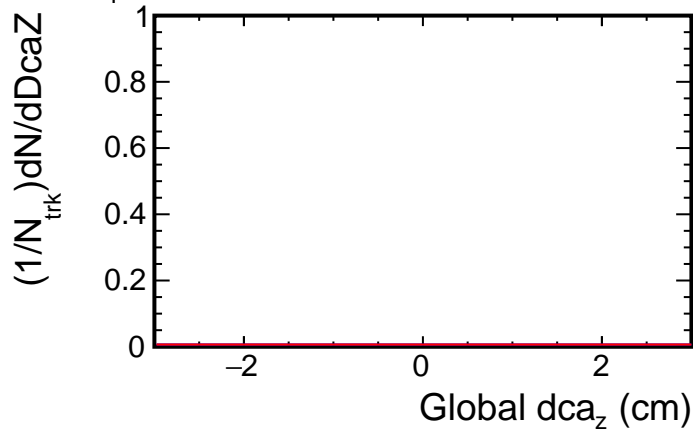


DcaZ distribution for (p_T , η) slices

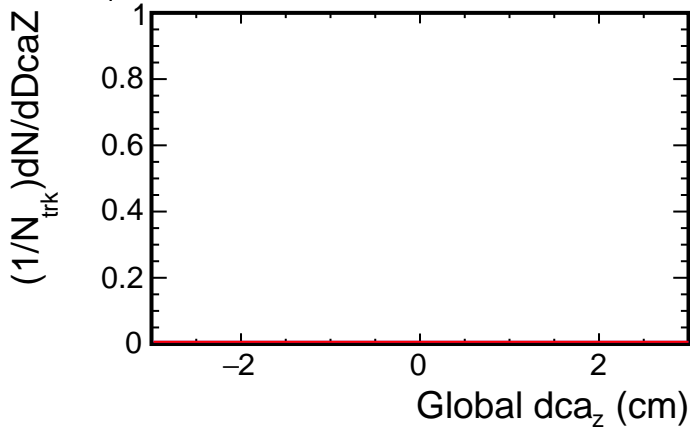
2, $3.5 < p_T < 4.0$ (GeV/c)



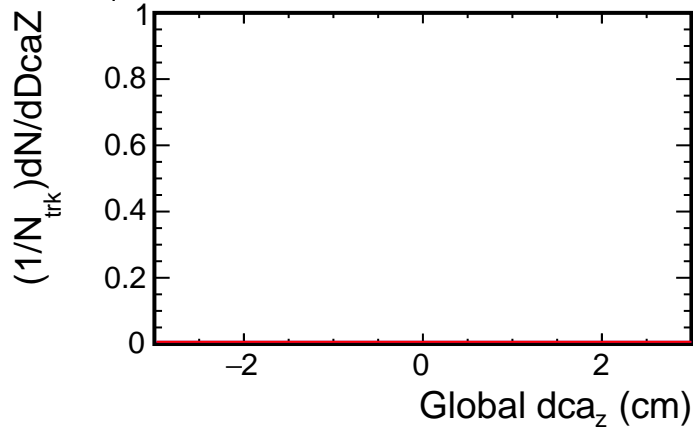
4, $3.5 < p_T < 4.0$ (GeV/c)



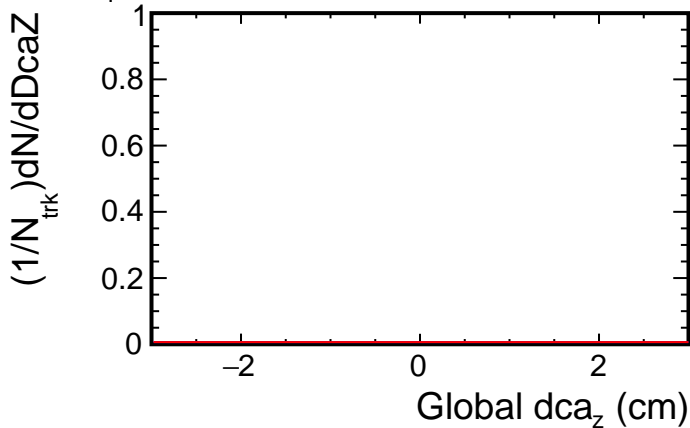
6, $3.5 < p_T < 4.0$ (GeV/c)



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



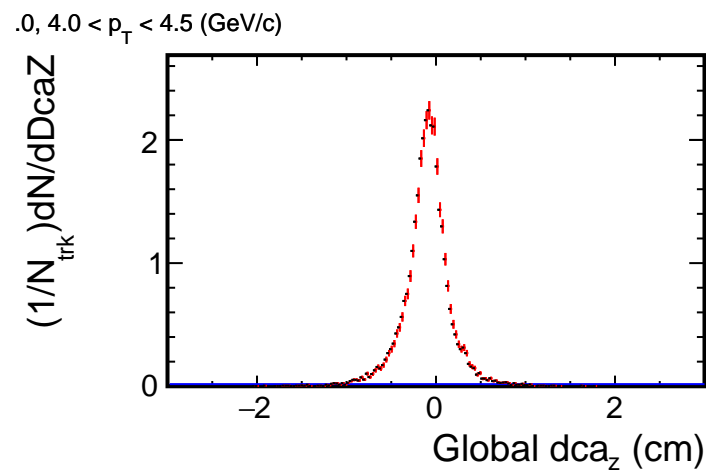
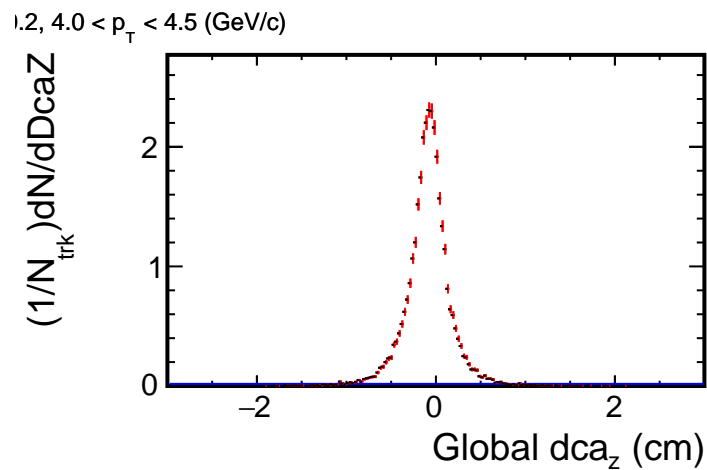
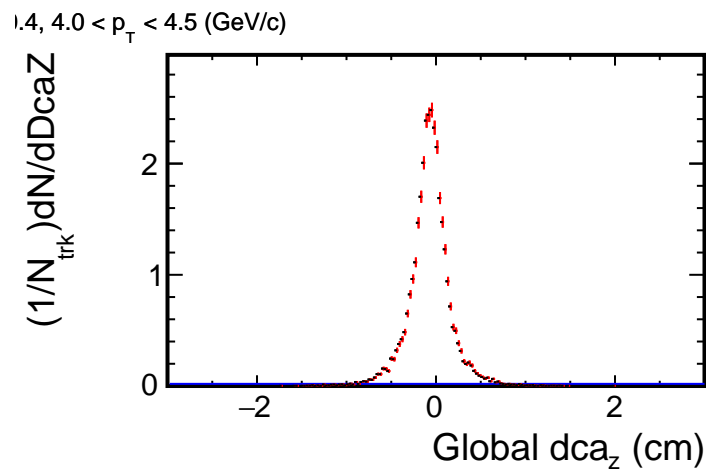
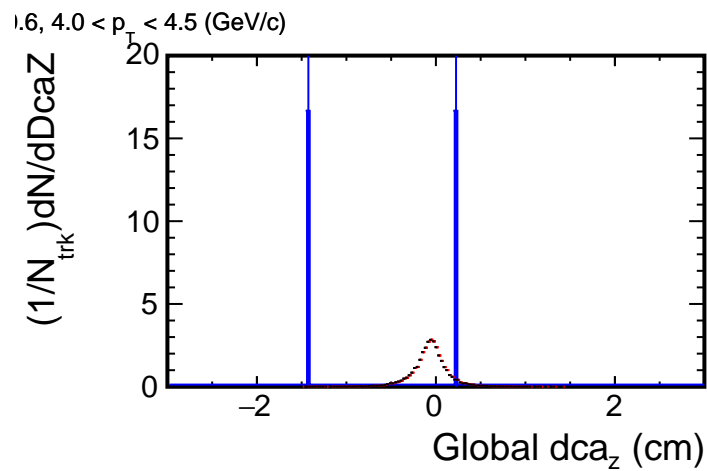
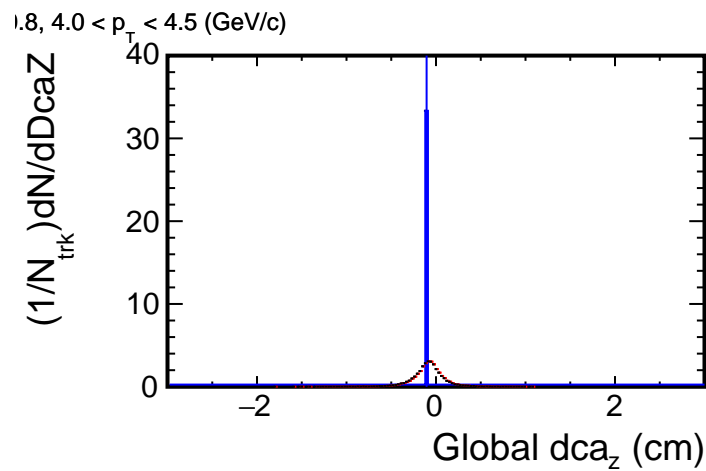
0, $3.5 < p_T < 4.0$ (GeV/c)



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

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

DcaZ distribution for (p_T , η) slices

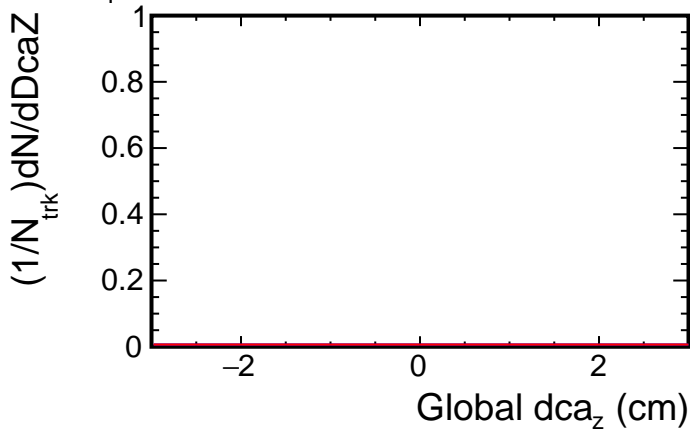


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

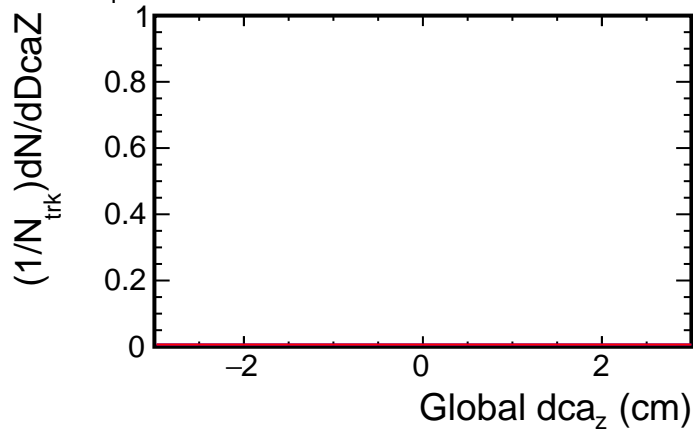
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

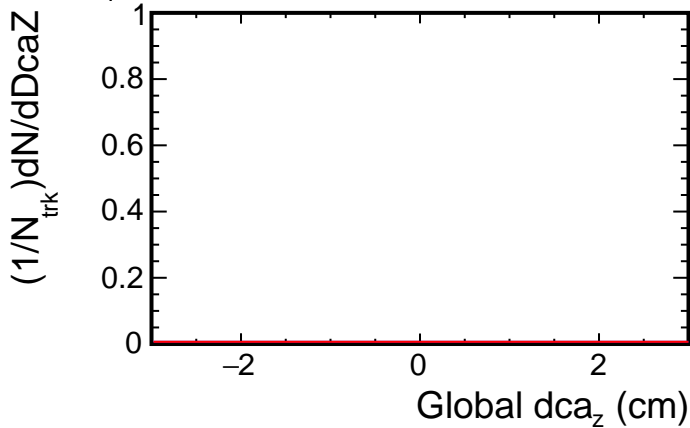
2, $4.0 < p_T < 4.5$ (GeV/c)



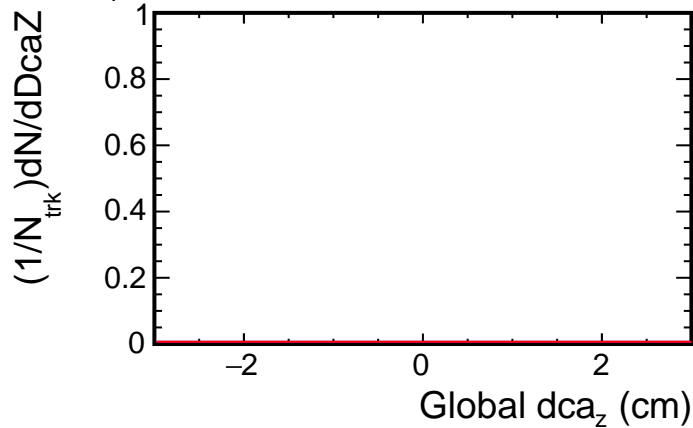
4, $4.0 < p_T < 4.5$ (GeV/c)



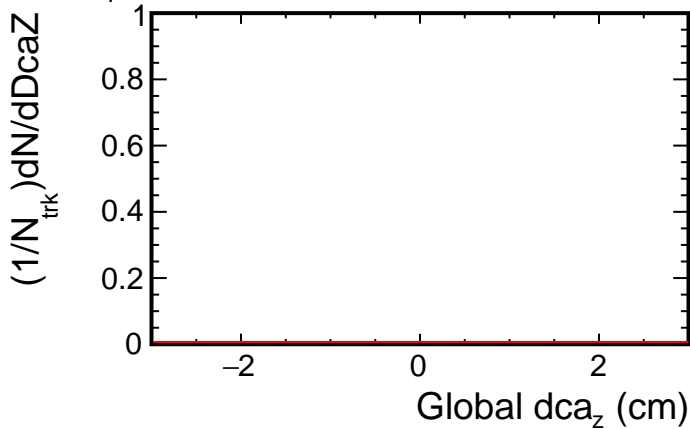
6, $4.0 < p_T < 4.5$ (GeV/c)



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



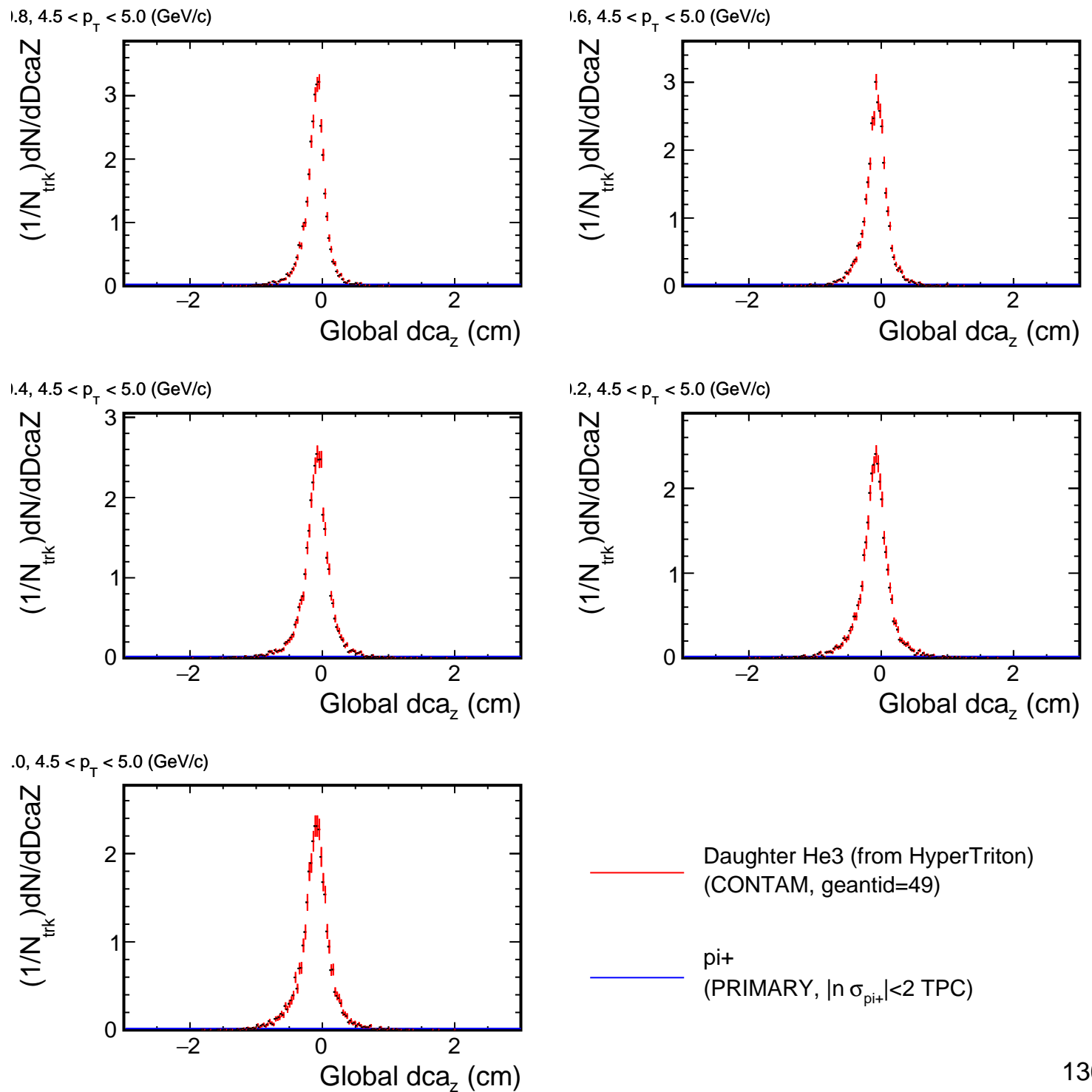
0, $4.0 < p_T < 4.5$ (GeV/c)



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

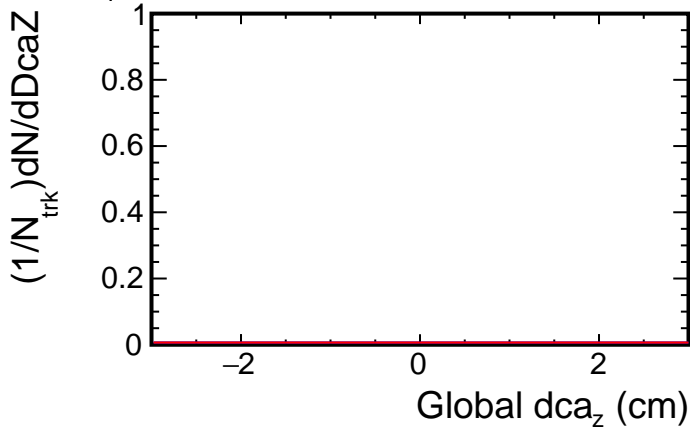
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

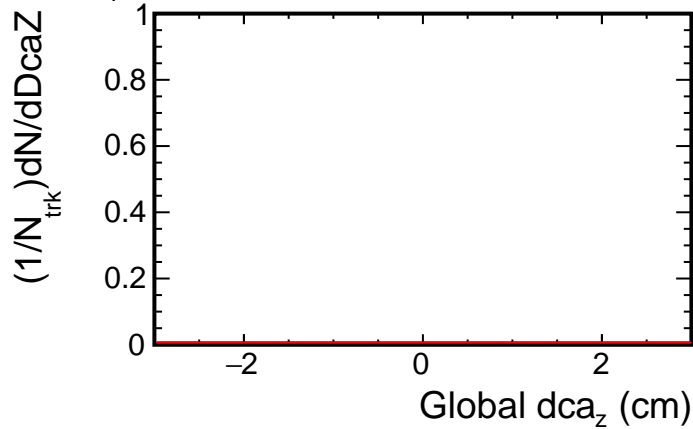


DcaZ distribution for (p_T , η) slices

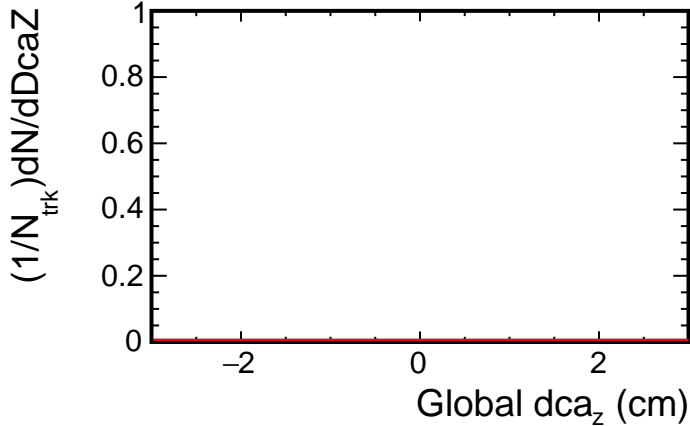
2, $4.5 < p_T < 5.0$ (GeV/c)



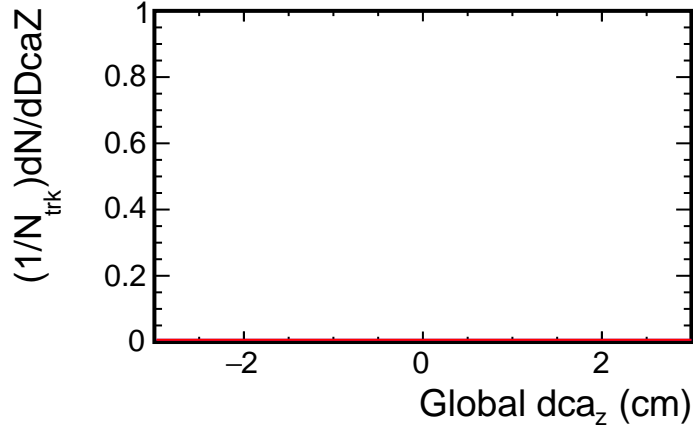
4, $4.5 < p_T < 5.0$ (GeV/c)



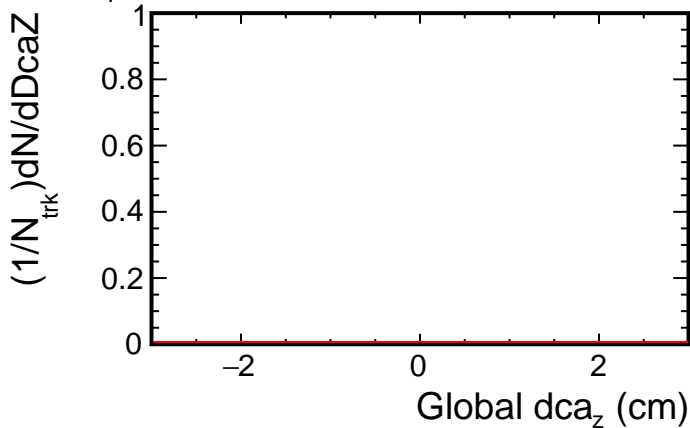
6, $4.5 < p_T < 5.0$ (GeV/c)



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



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

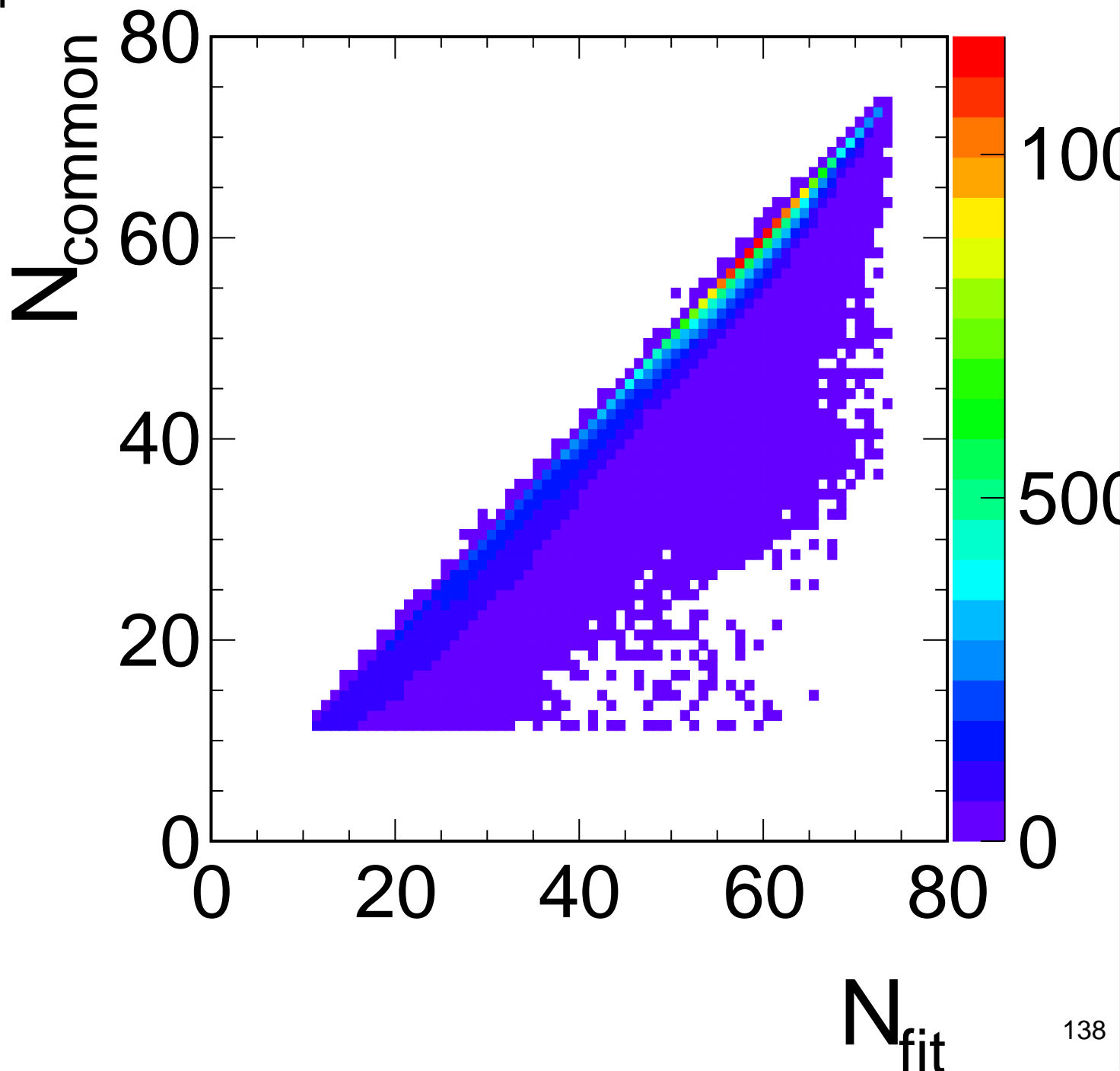


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

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

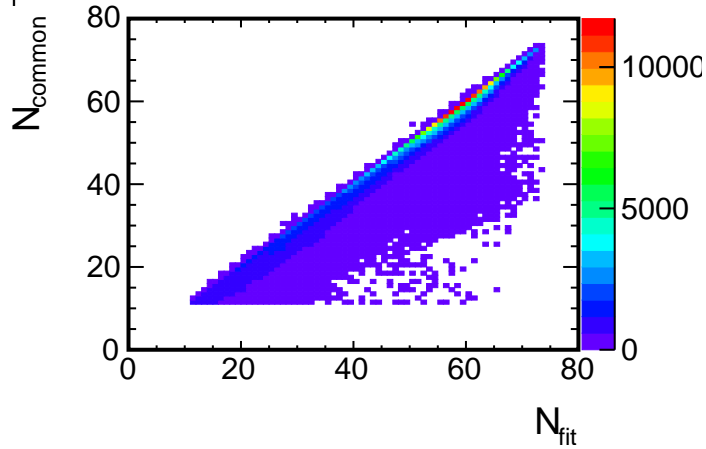
N_{common} vs N_{hit} (Embedding:pi-, Real:pi-)

$p_T < 5.0$ GeV/c

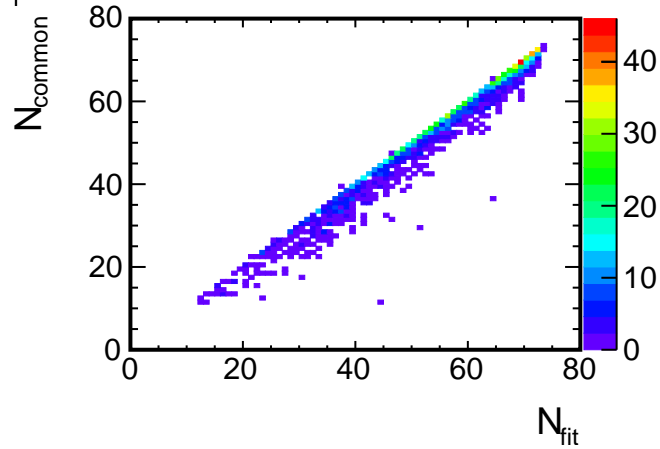


N_{common} vs N_{hit} , p_T dependence (Embedding:pi-, Real:pi-)

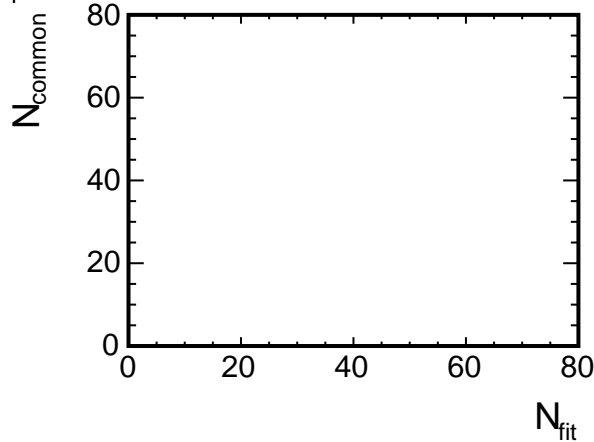
$\langle p_T \rangle < 0.5$ GeV/c



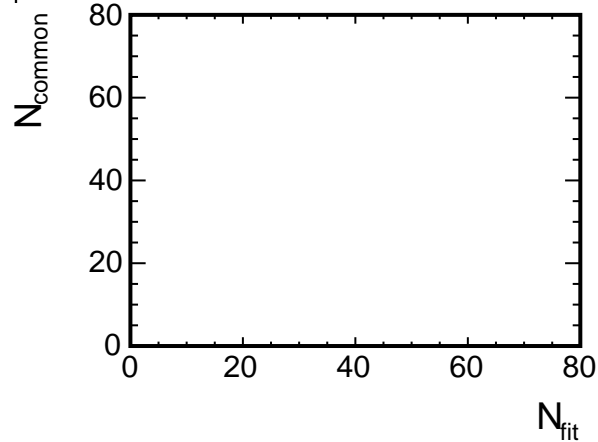
$\langle p_T \rangle < 1.0$ GeV/c



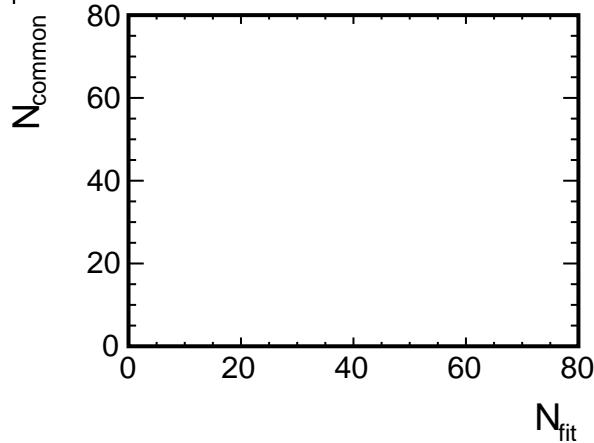
$\langle p_T \rangle < 1.5$ GeV/c



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

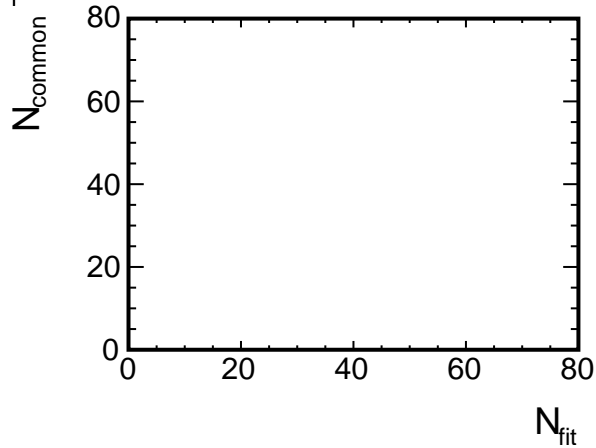


$\langle p_T \rangle < 2.5$ GeV/c

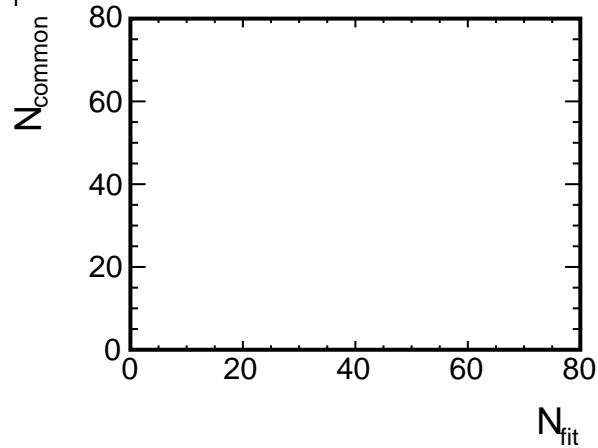


N_{common} vs N_{hit} , p_T dependence (Embedding:pi-, Real:pi-)

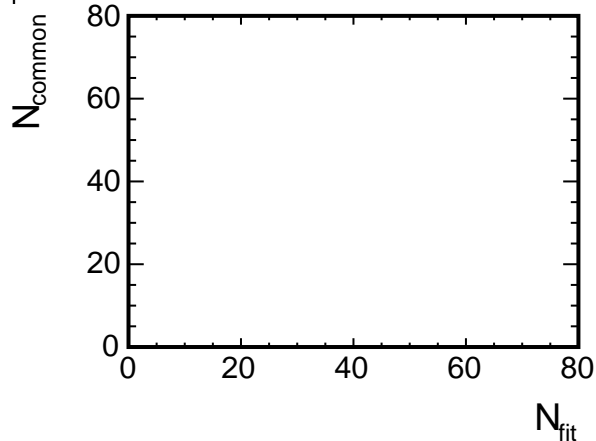
$\langle p_T \rangle < 3.0$ GeV/c



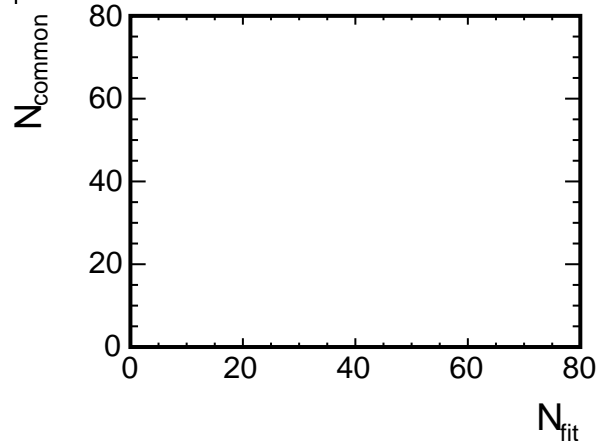
$\langle p_T \rangle < 3.5$ GeV/c



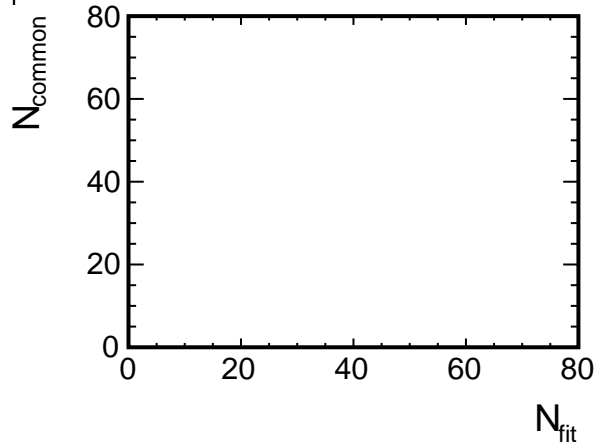
$\langle p_T \rangle < 4.0$ GeV/c



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

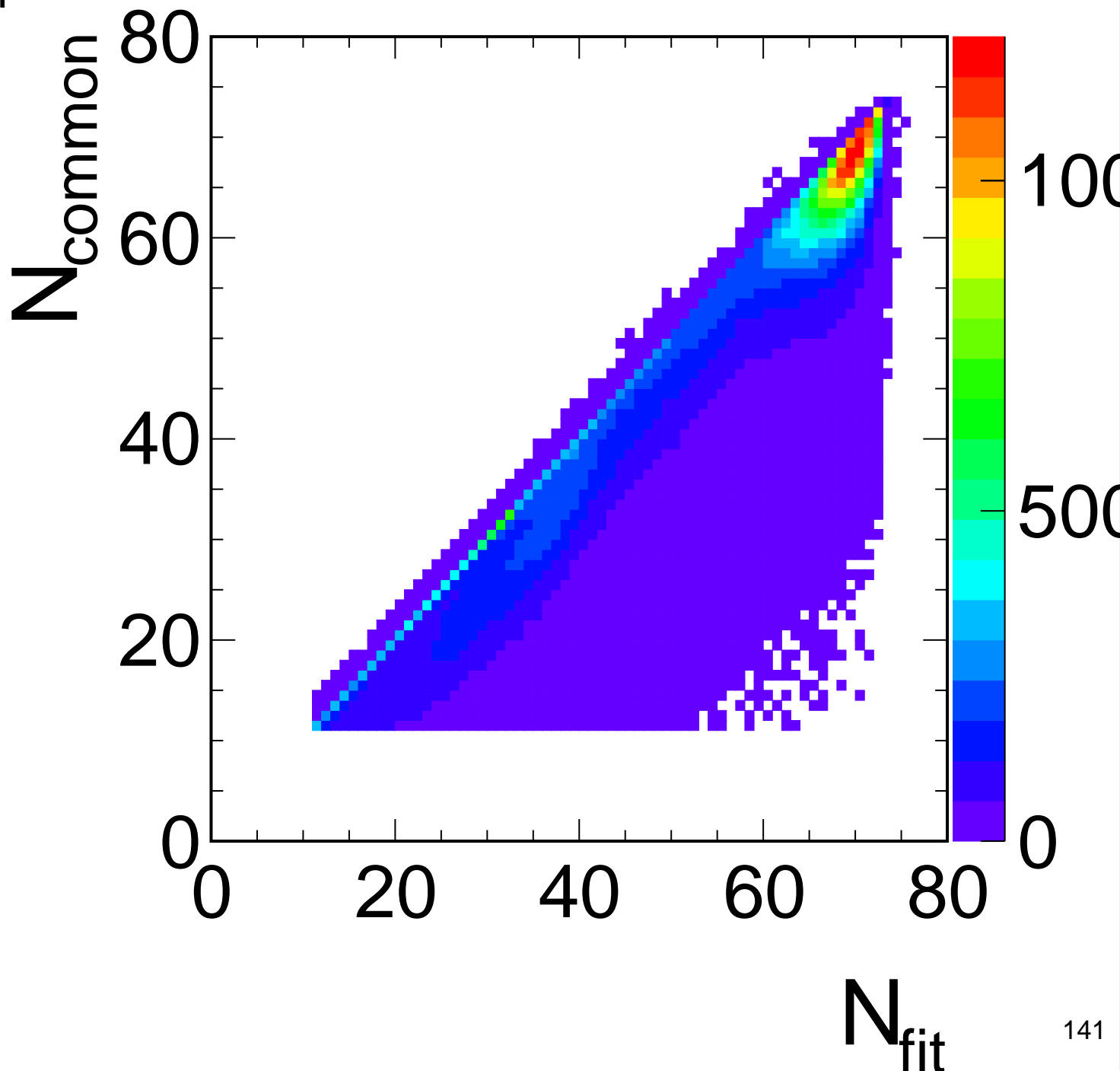


$\langle p_T \rangle < 5.0$ GeV/c



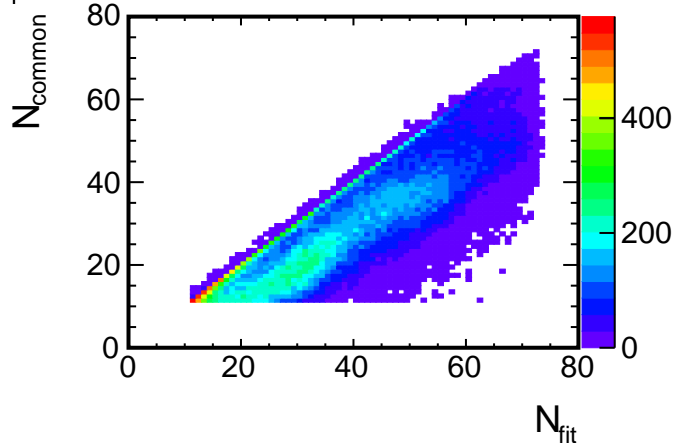
N_{common} vs N_{hit} (Embedding:He3, Real:He3)

$p_T < 5.0$ GeV/c

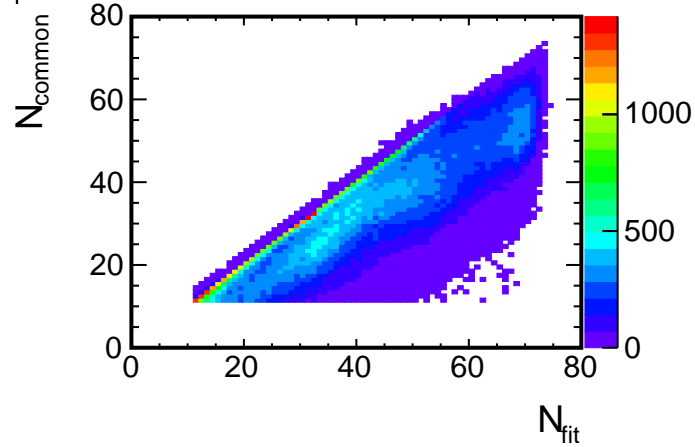


N_{common} vs N_{hit} , p_T dependence (Embedding:He3, Real:He3)

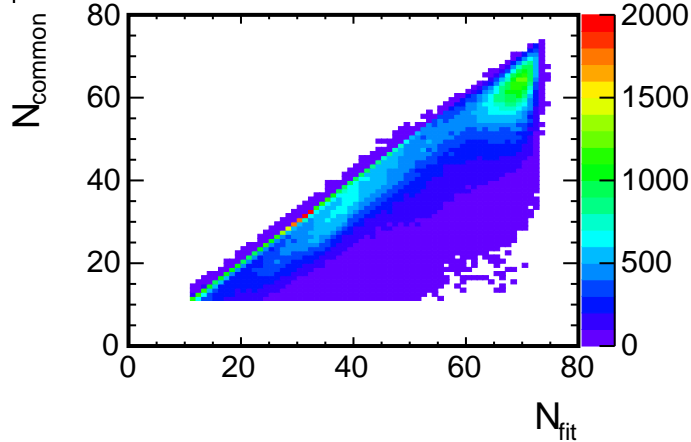
$\langle p_T \rangle < 0.5$ GeV/c



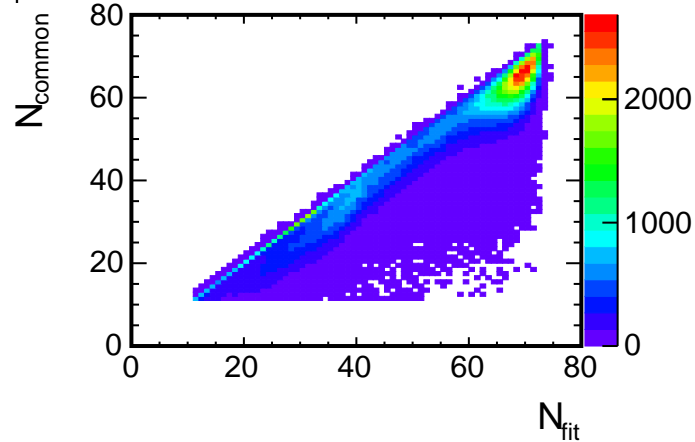
$\langle p_T \rangle < 1.0$ GeV/c



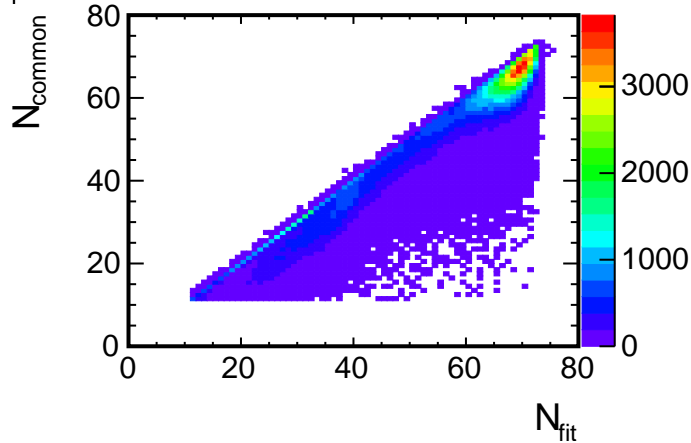
$\langle p_T \rangle < 1.5$ GeV/c



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

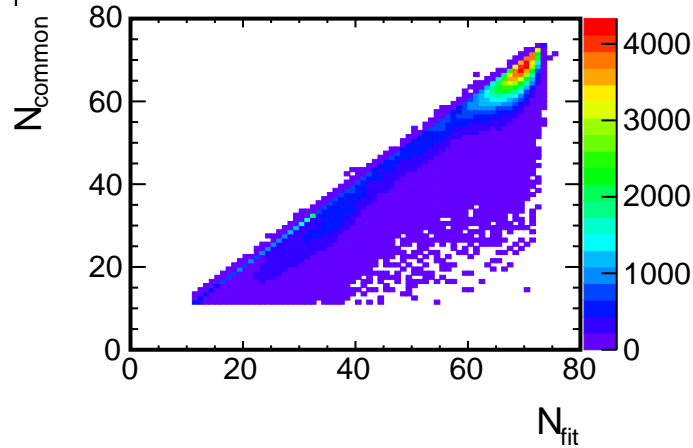


$\langle p_T \rangle < 2.5$ GeV/c

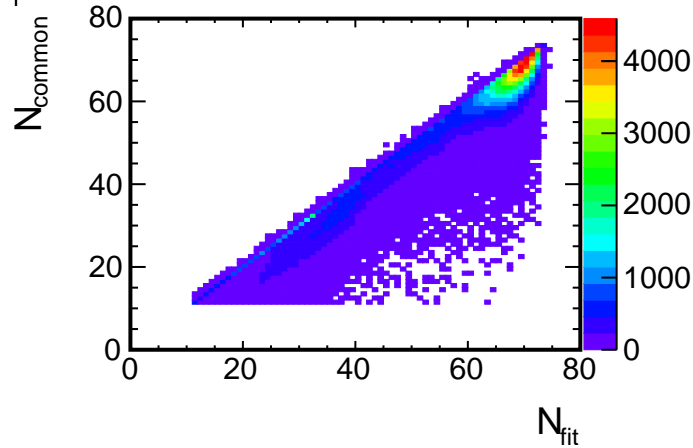


N_{common} vs N_{hit} , p_T dependence (Embedding:He3, Real:He3)

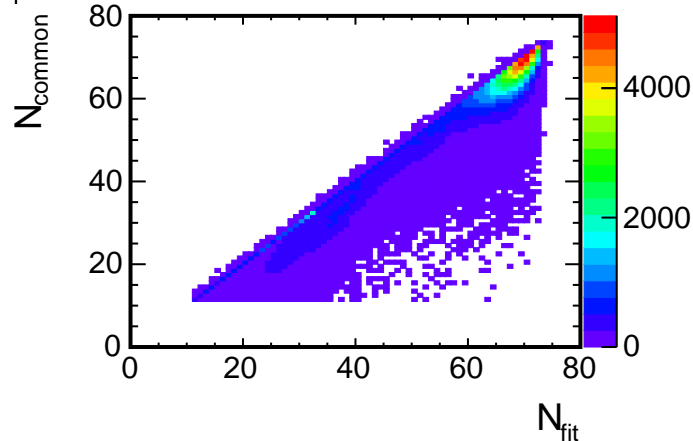
$\langle p_T \rangle < 3.0$ GeV/c



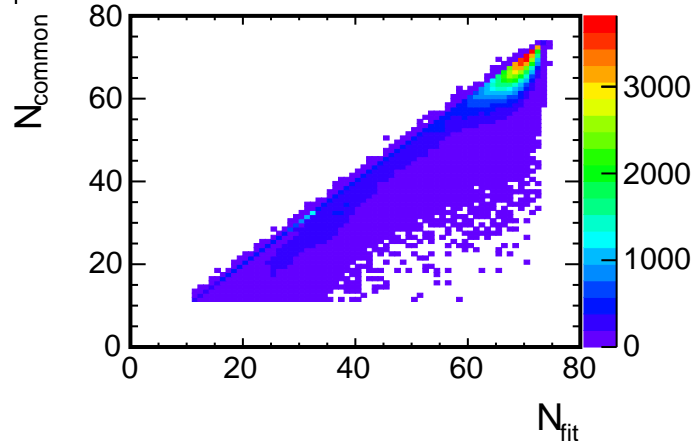
$\langle p_T \rangle < 3.5$ GeV/c



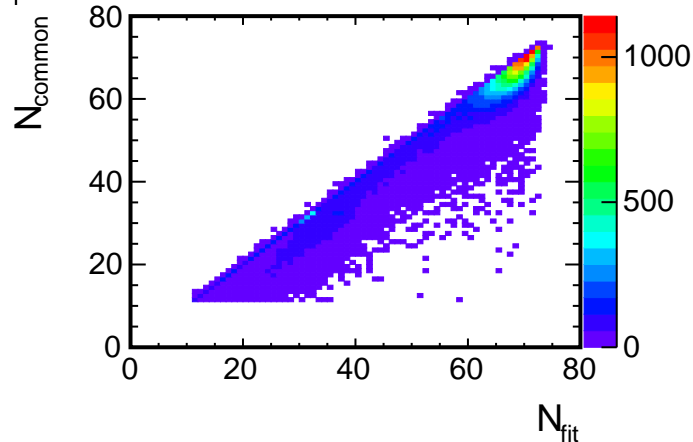
$\langle p_T \rangle < 4.0$ GeV/c



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

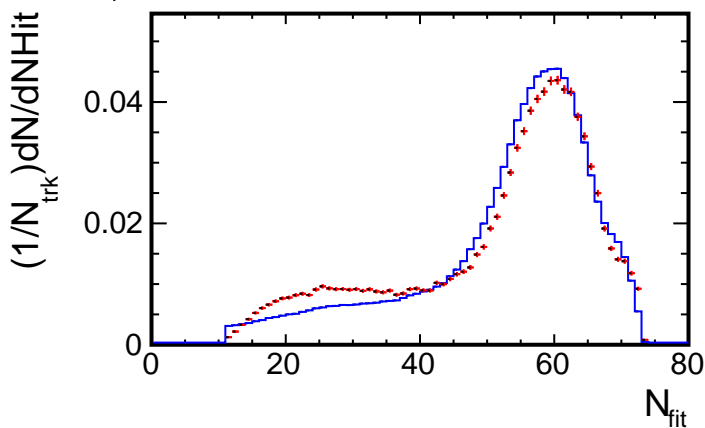


$\langle p_T \rangle < 5.0$ GeV/c

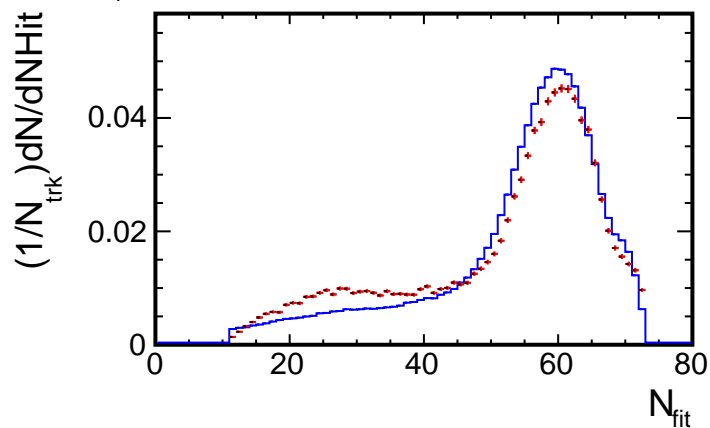


NHit distribution for (p_T , η) slices

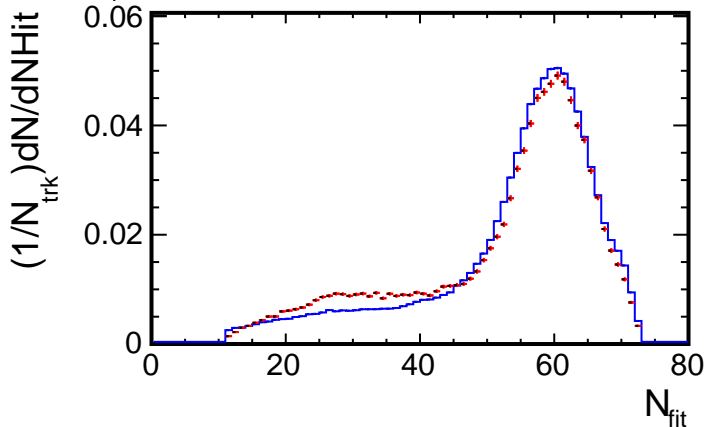
1.8, $0.1 < p_T < 0.5$ (GeV/c)



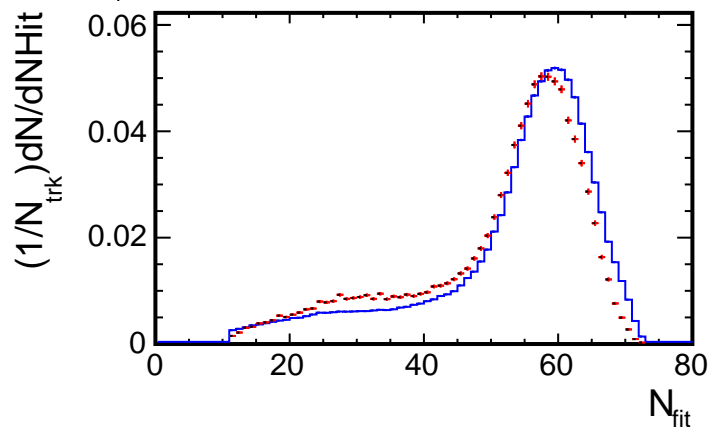
1.6, $0.1 < p_T < 0.5$ (GeV/c)



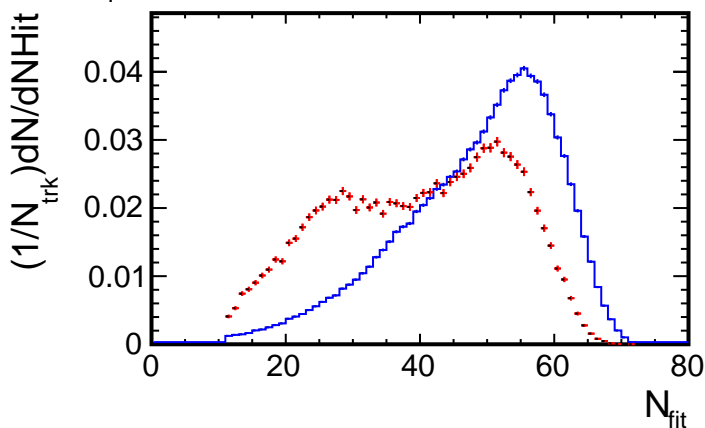
1.4, $0.1 < p_T < 0.5$ (GeV/c)



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



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

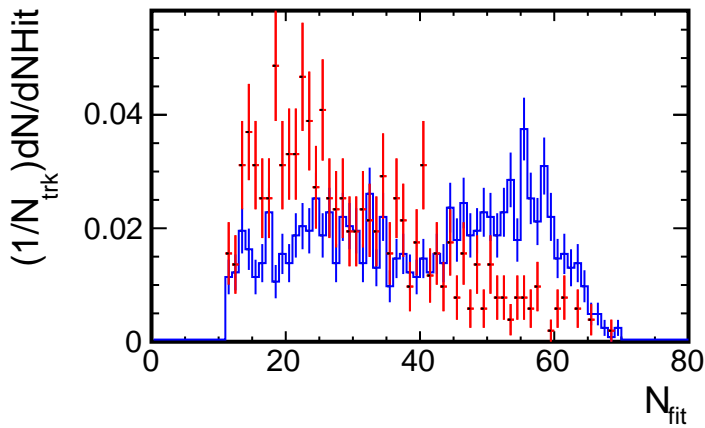


— Daughter π^- (from HyperTriton)
(CONTAM, geantid=9)

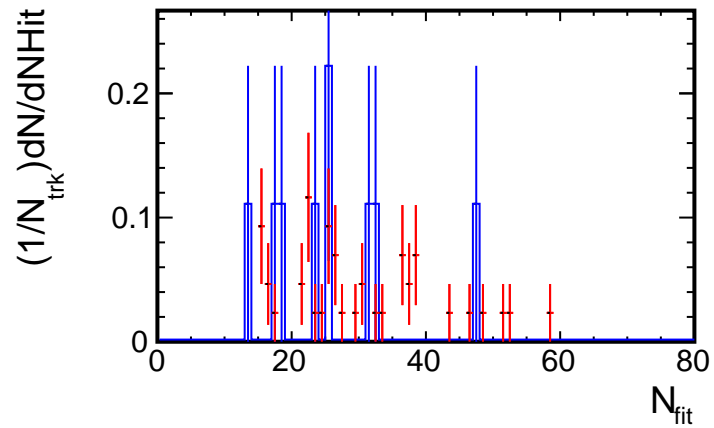
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

NHit distribution for (p_T , η) slices

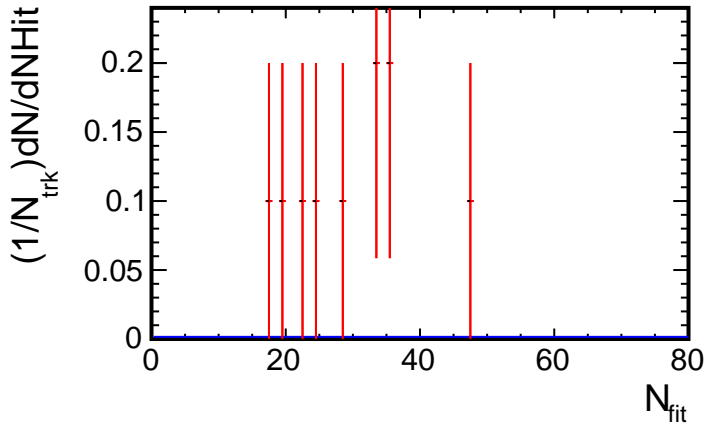
2, $0.1 < p_T < 0.5$ (GeV/c)



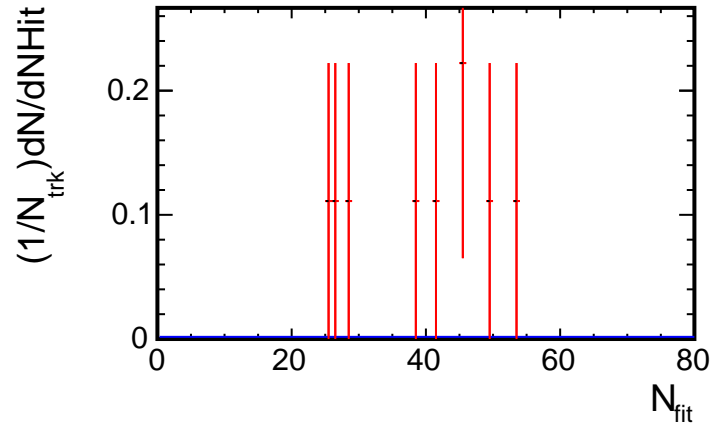
4, $0.1 < p_T < 0.5$ (GeV/c)



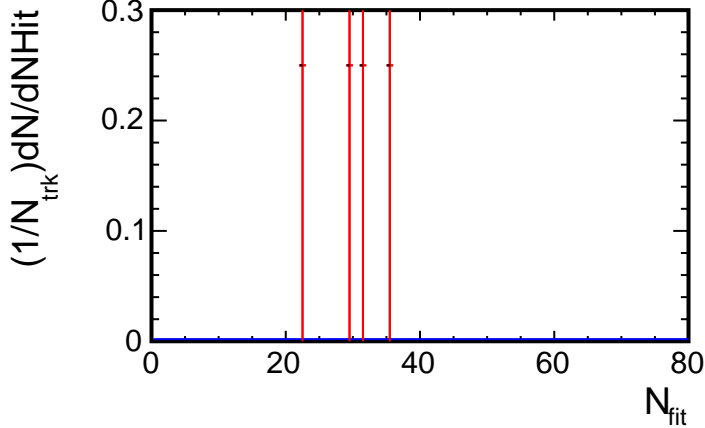
6, $0.1 < p_T < 0.5$ (GeV/c)



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



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

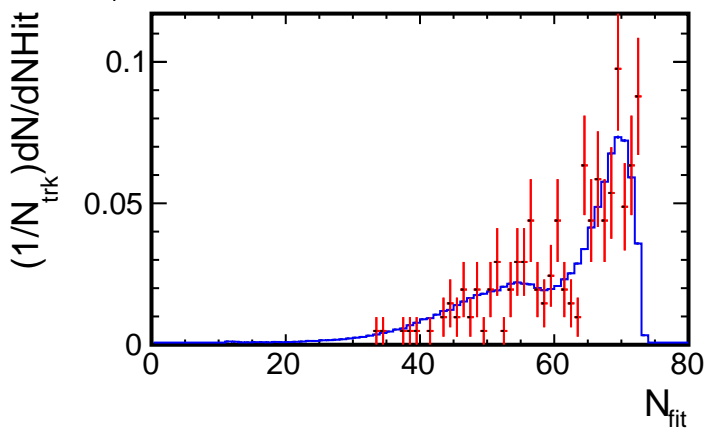


— Daughter π^- (from HyperTriton)
(CONTAM, geantid=9)

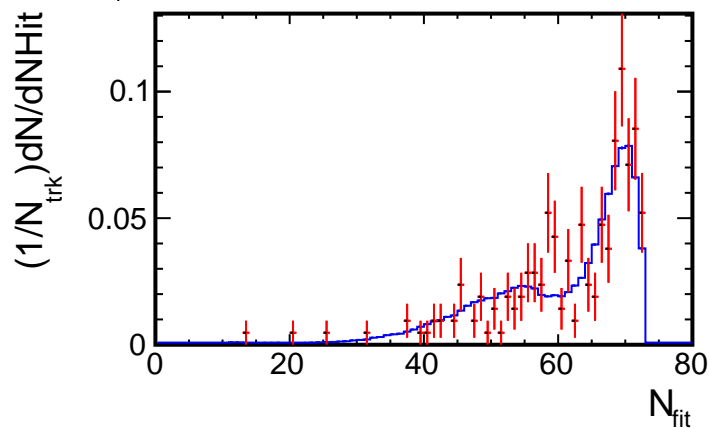
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

NHit distribution for (p_T , η) slices

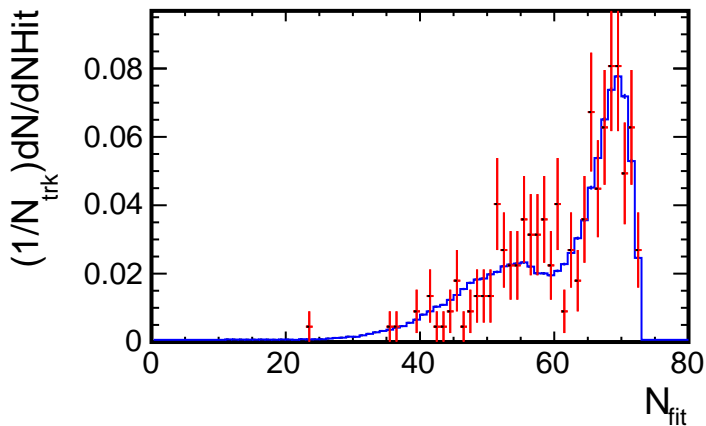
1.8, $0.5 < p_T < 1.0$ (GeV/c)



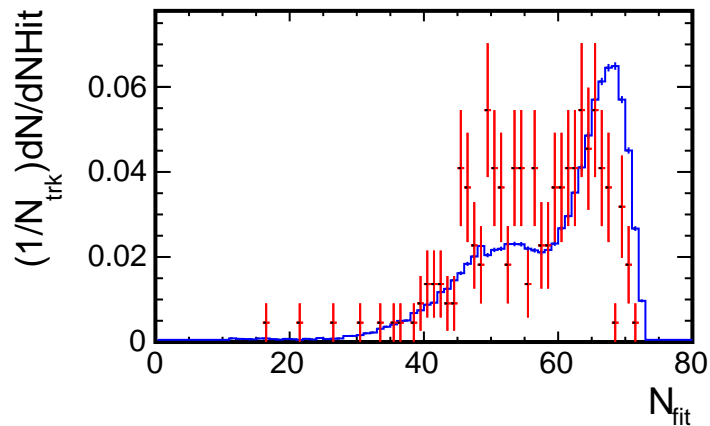
1.6, $0.5 < p_T < 1.0$ (GeV/c)



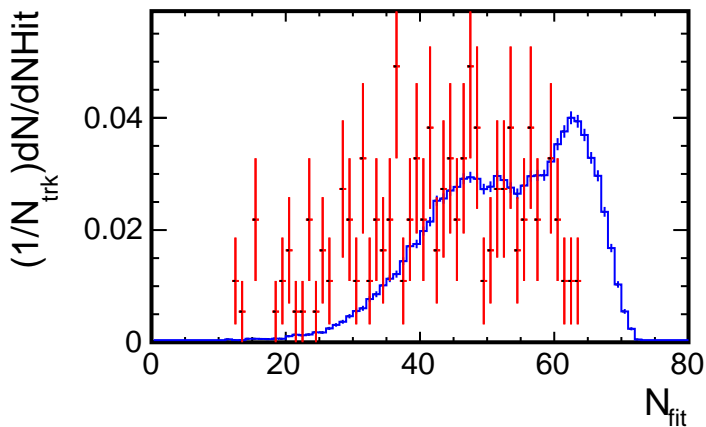
1.4, $0.5 < p_T < 1.0$ (GeV/c)



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



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

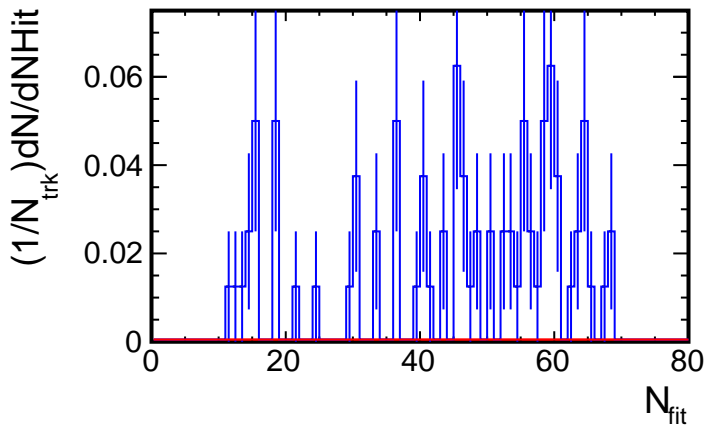


— Daughter π^- (from HyperTriton)
(CONTAM, geantid=9)

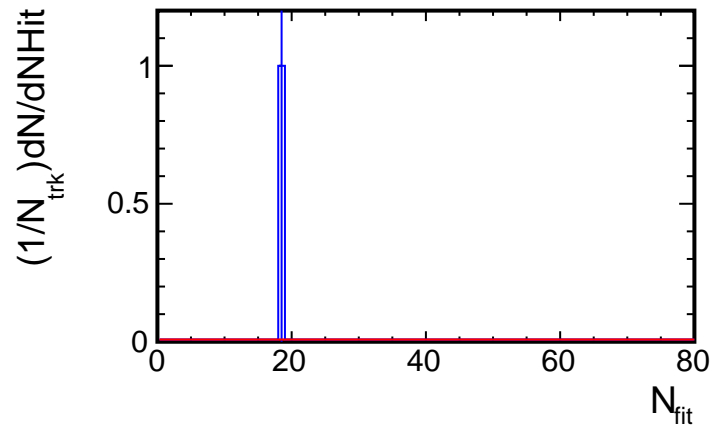
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

NHit distribution for (p_T , η) slices

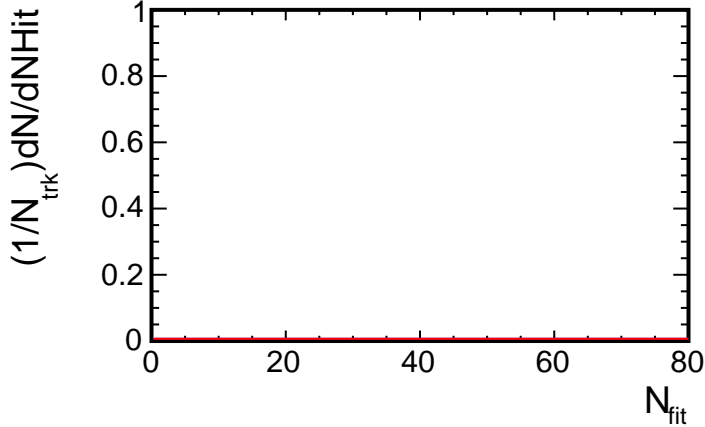
2, $0.5 < p_T < 1.0$ (GeV/c)



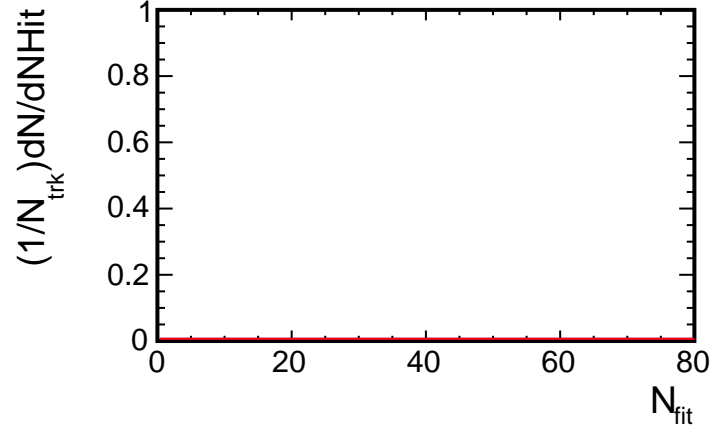
4, $0.5 < p_T < 1.0$ (GeV/c)



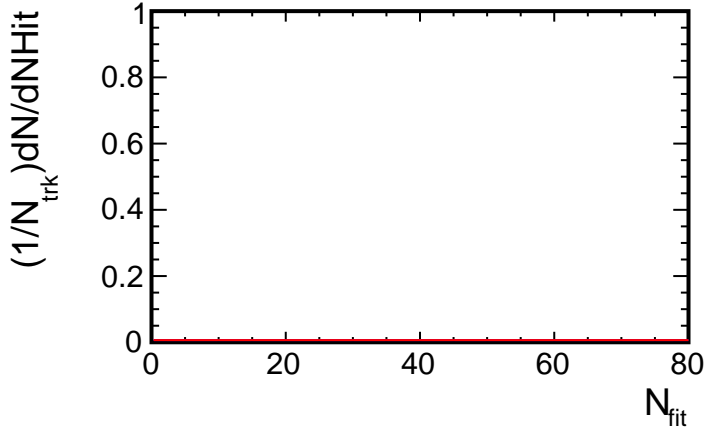
6, $0.5 < p_T < 1.0$ (GeV/c)



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



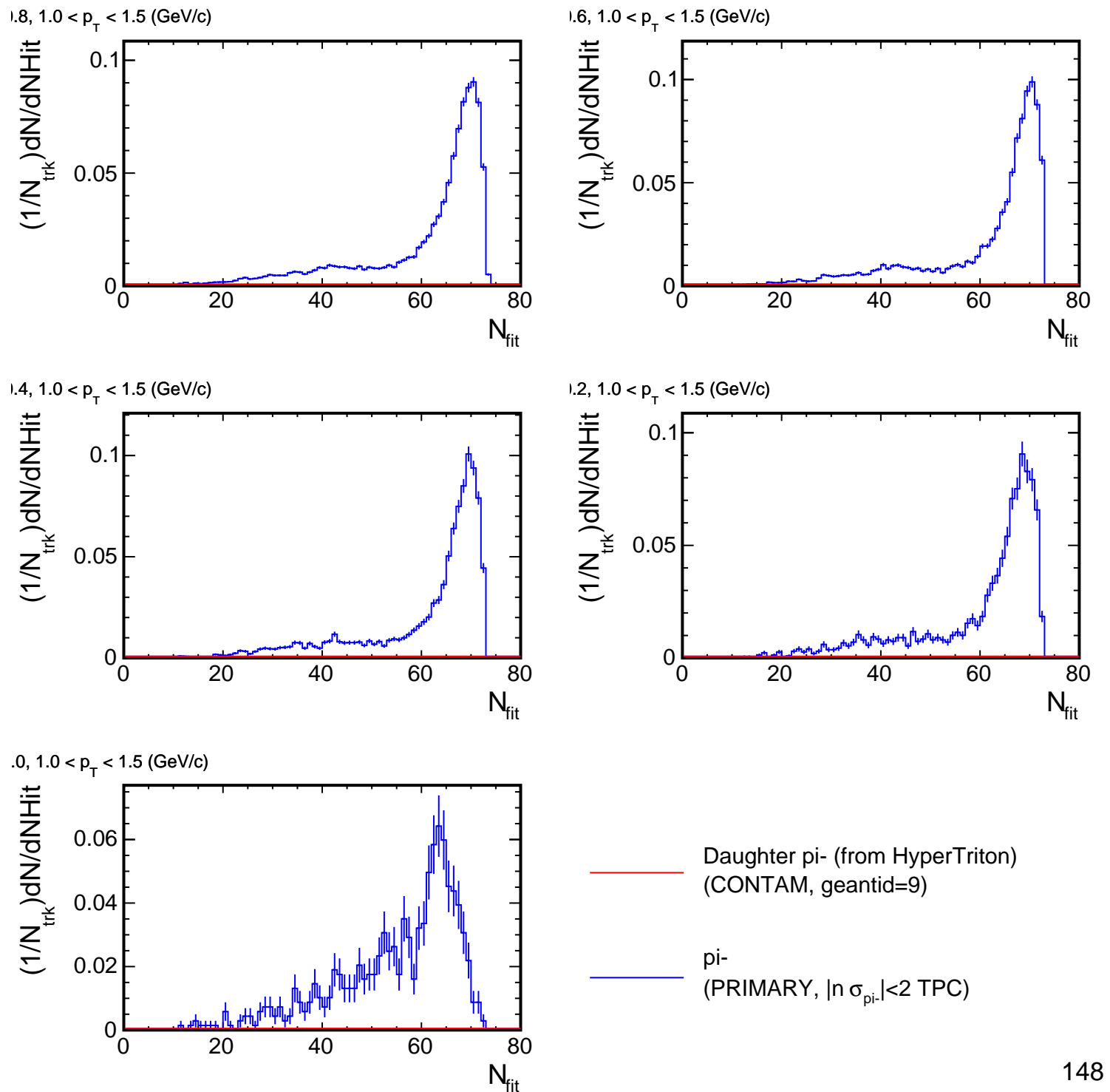
0, $0.5 < p_T < 1.0$ (GeV/c)



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

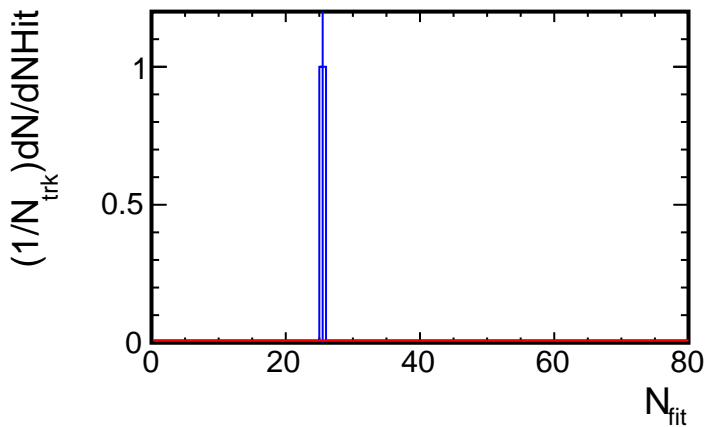
— pi-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

NHit distribution for (p_T , η) slices

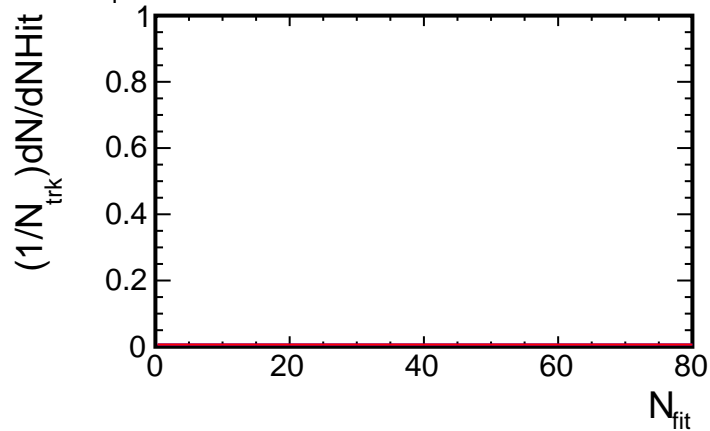


NHit distribution for (p_T , η) slices

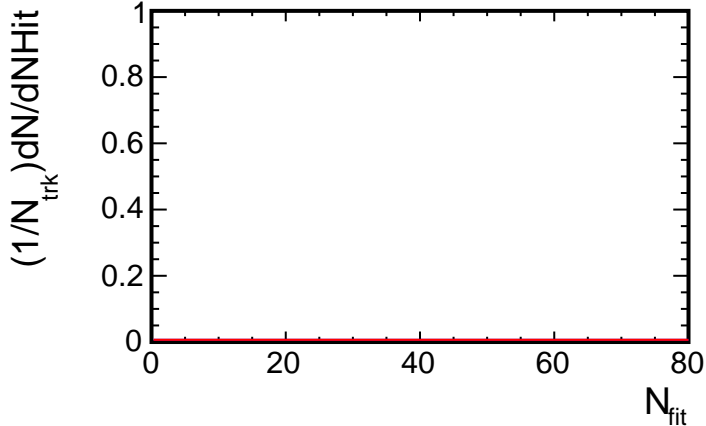
2, $1.0 < p_T < 1.5$ (GeV/c)



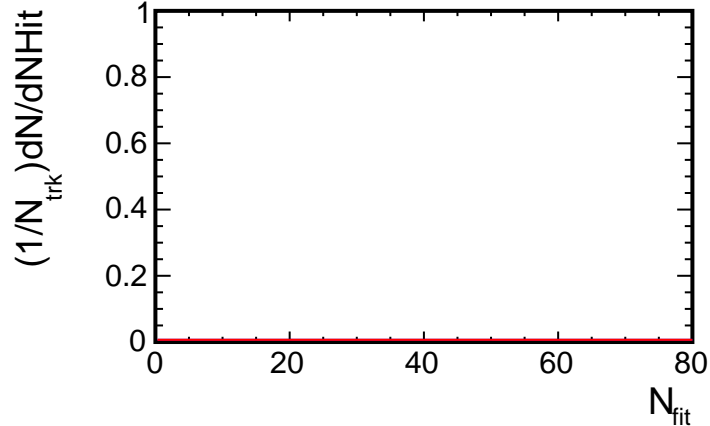
4, $1.0 < p_T < 1.5$ (GeV/c)



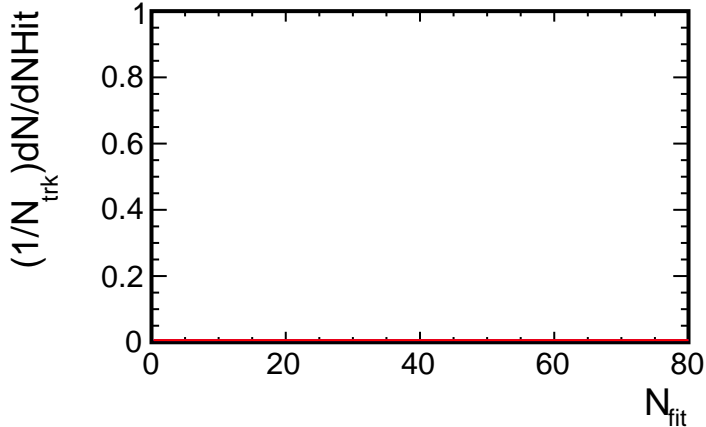
6, $1.0 < p_T < 1.5$ (GeV/c)



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



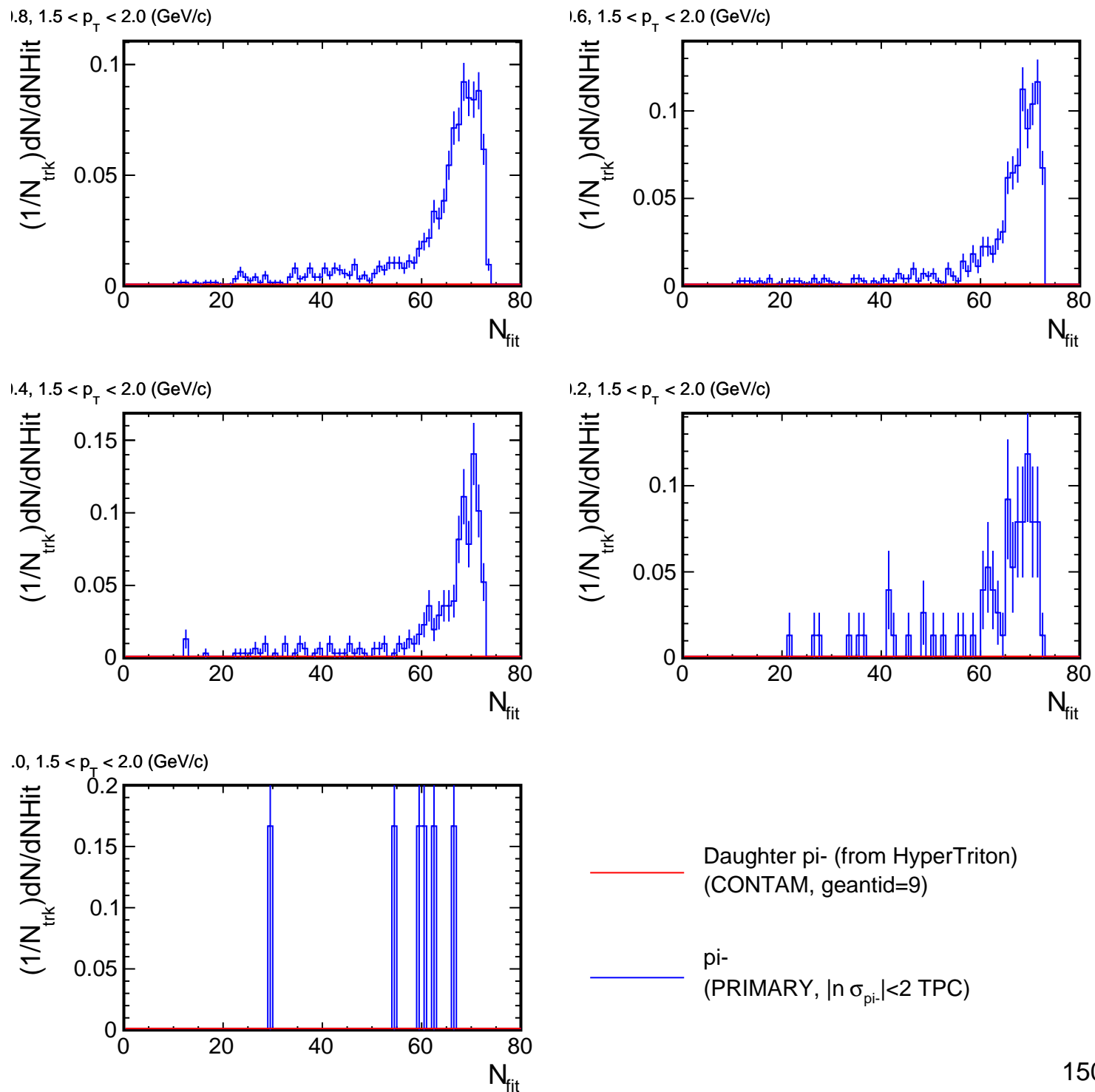
0, $1.0 < p_T < 1.5$ (GeV/c)



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

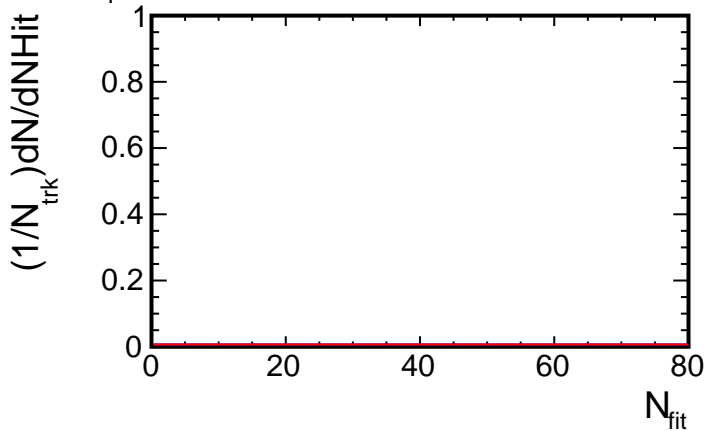
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

NHit distribution for (p_T , η) slices

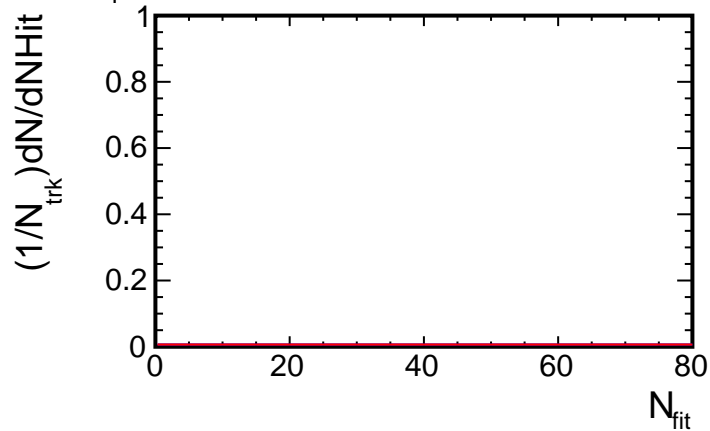


NHit distribution for (p_T , η) slices

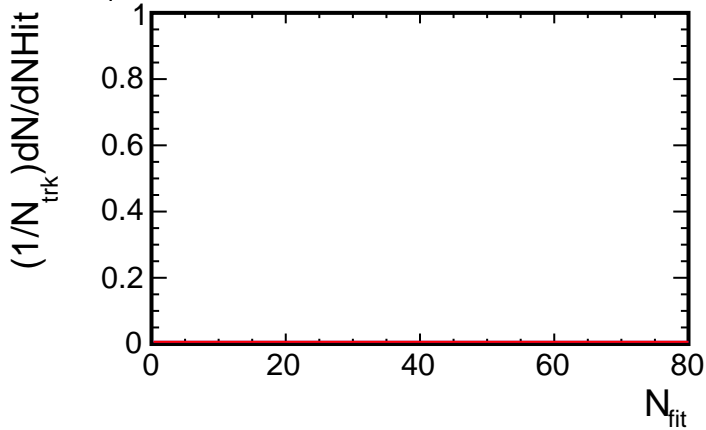
2, $1.5 < p_T < 2.0$ (GeV/c)



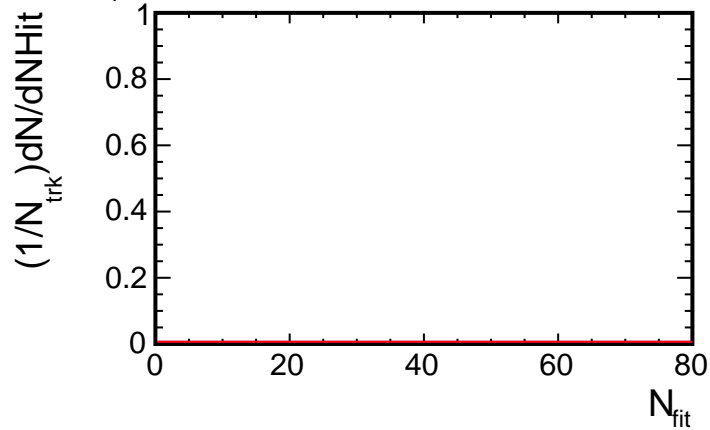
4, $1.5 < p_T < 2.0$ (GeV/c)



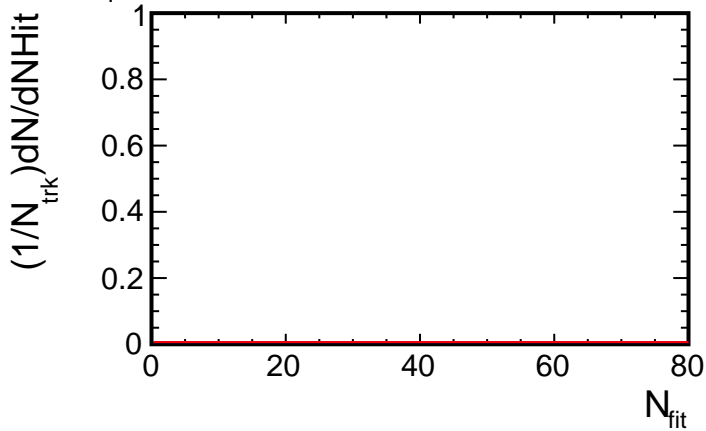
6, $1.5 < p_T < 2.0$ (GeV/c)



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



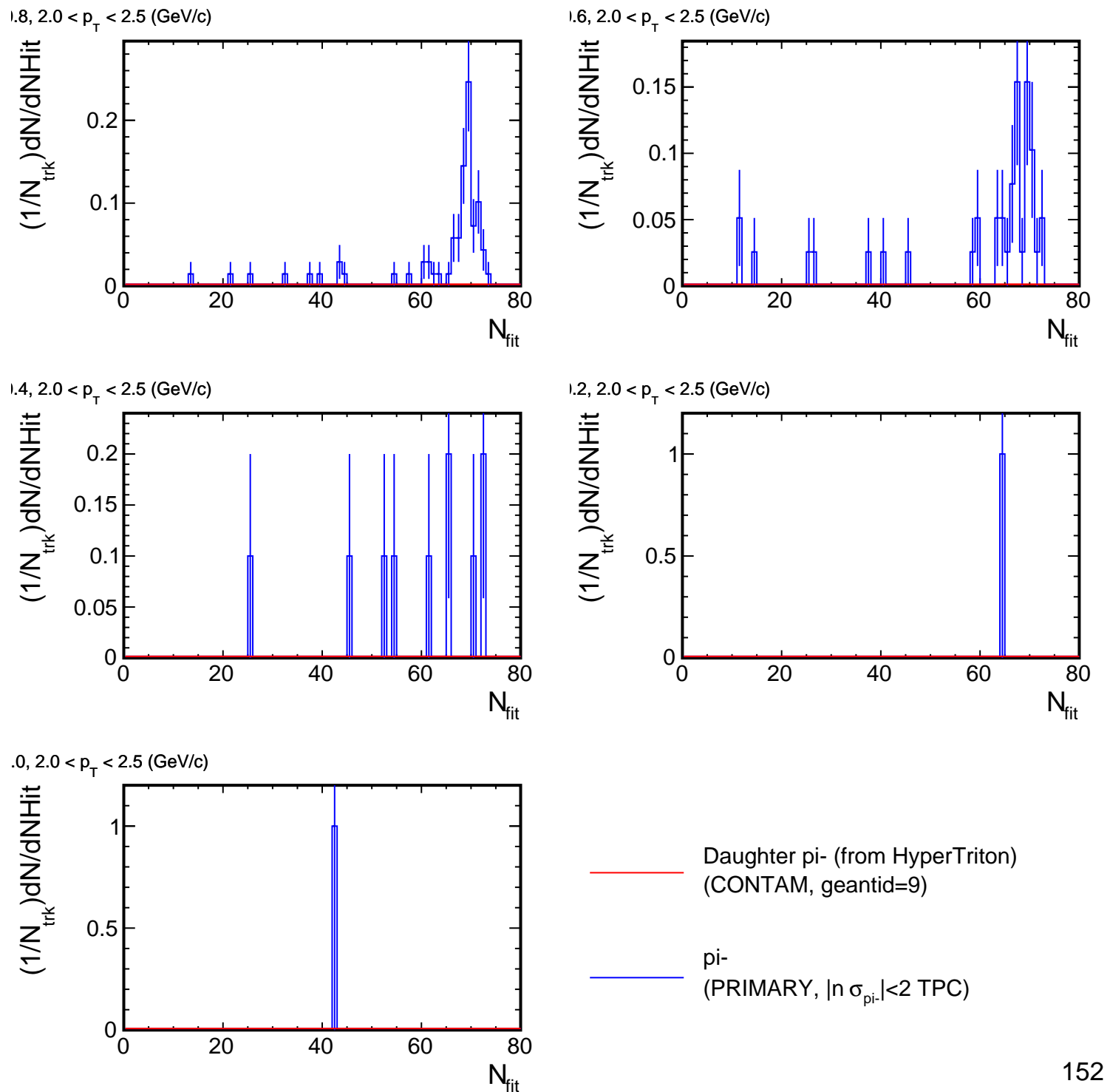
0, $1.5 < p_T < 2.0$ (GeV/c)



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

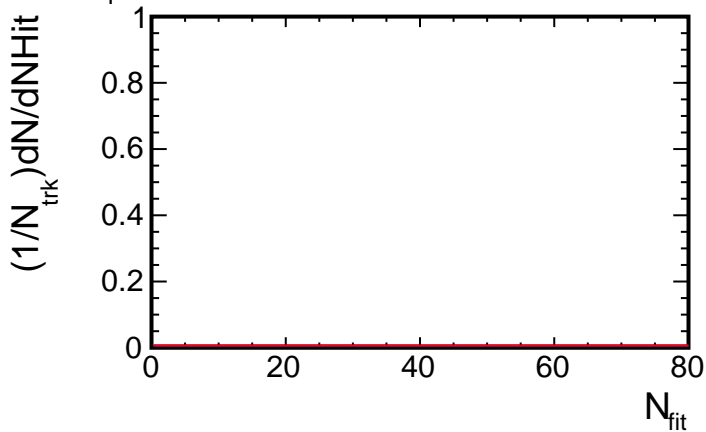
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

NHit distribution for (p_T , η) slices

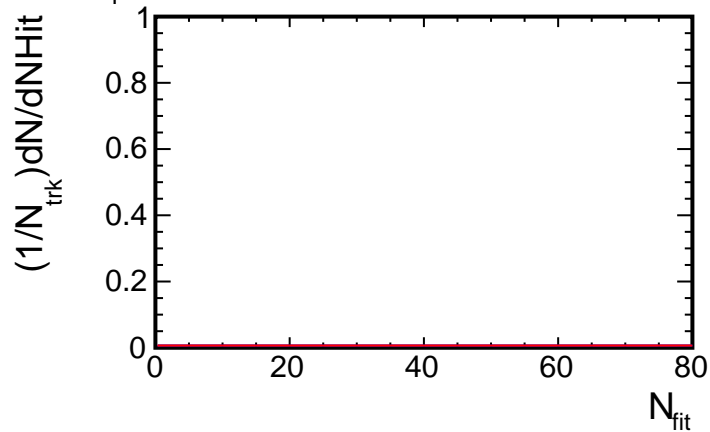


NHit distribution for (p_T , η) slices

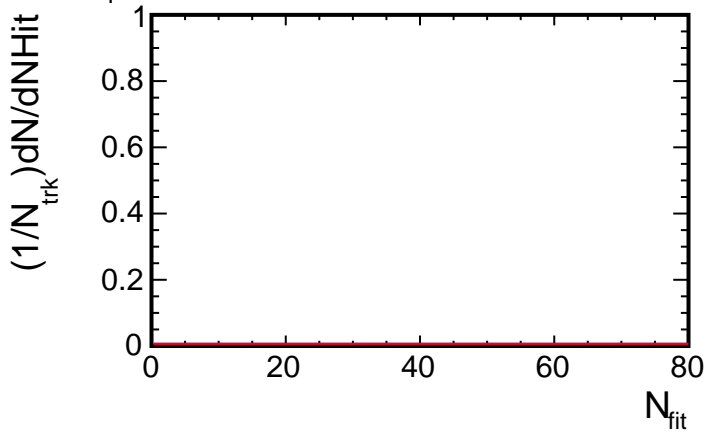
2, $2.0 < p_T < 2.5$ (GeV/c)



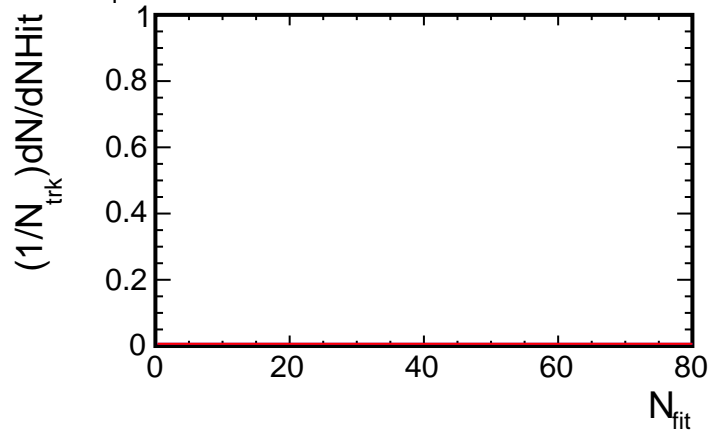
4, $2.0 < p_T < 2.5$ (GeV/c)



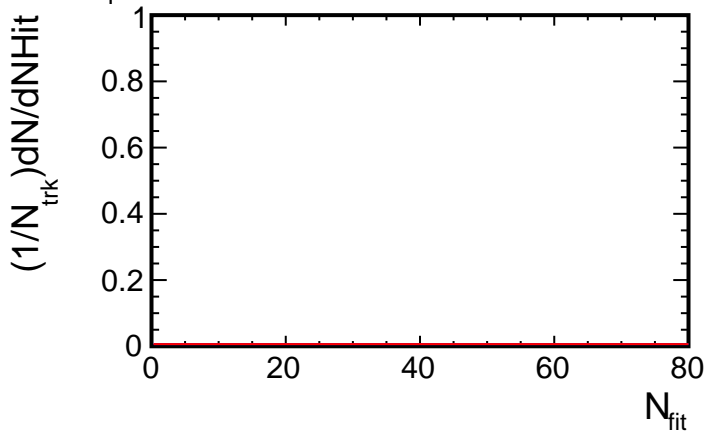
6, $2.0 < p_T < 2.5$ (GeV/c)



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



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

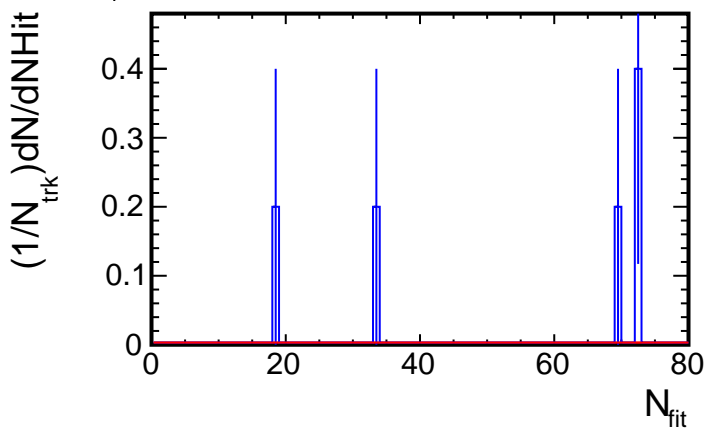


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

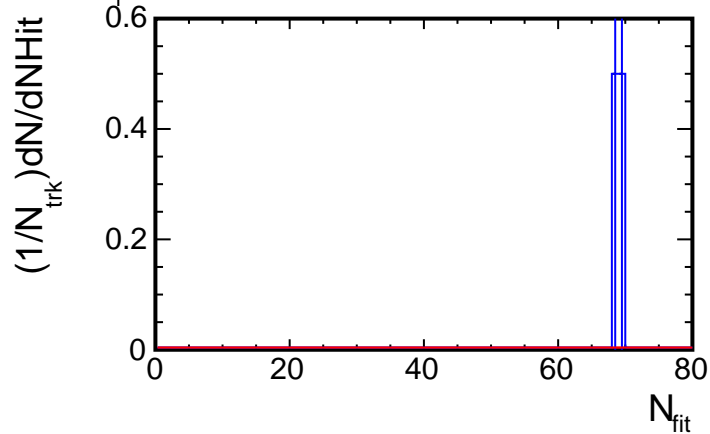
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

NHit distribution for (p_T , η) slices

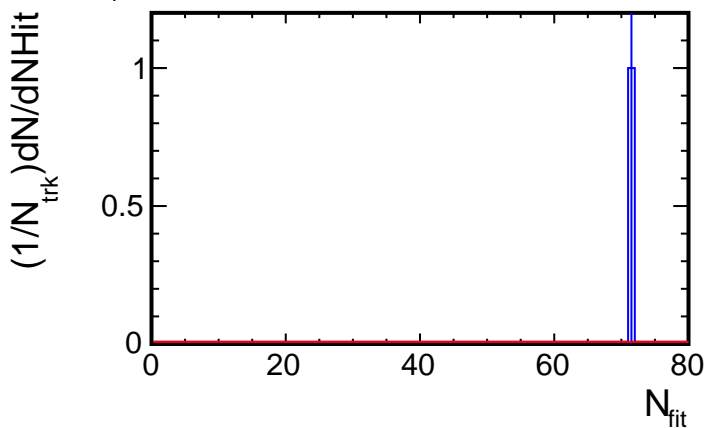
1.8, $2.5 < p_T < 3.0$ (GeV/c)



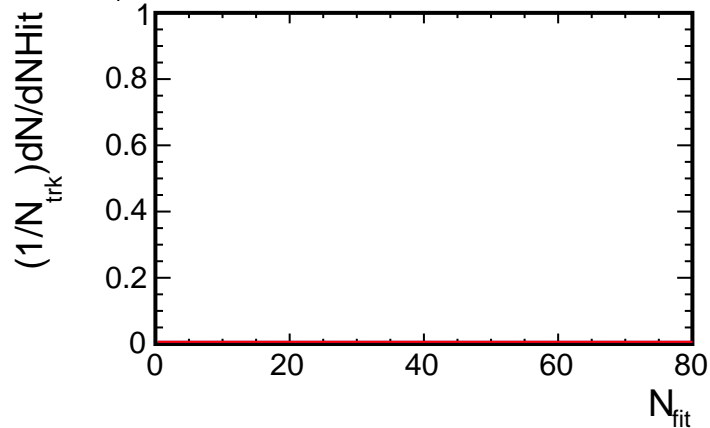
1.6, $2.5 < p_T < 3.0$ (GeV/c)



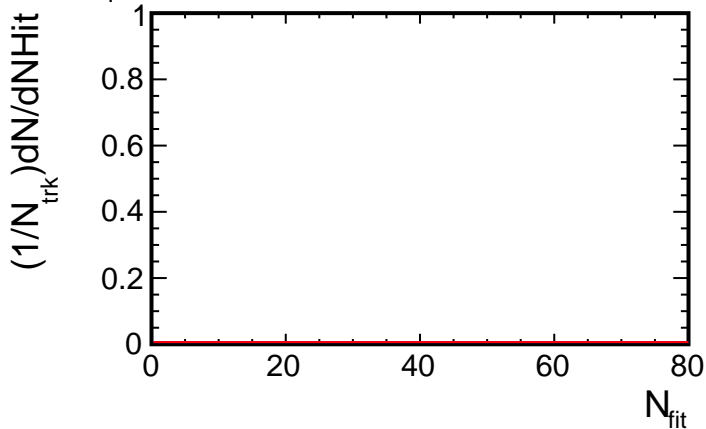
1.4, $2.5 < p_T < 3.0$ (GeV/c)



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



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

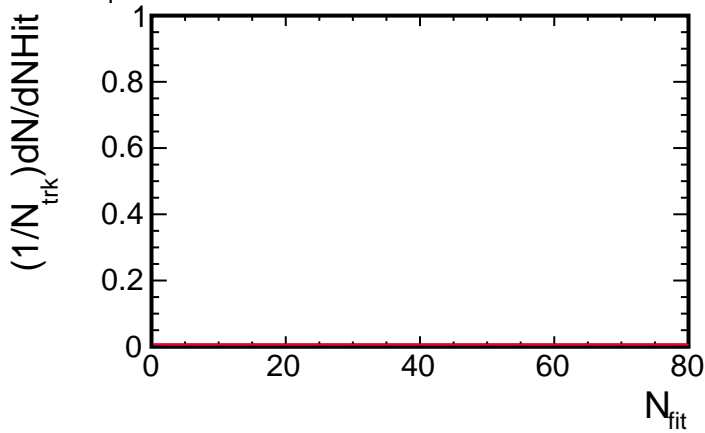


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

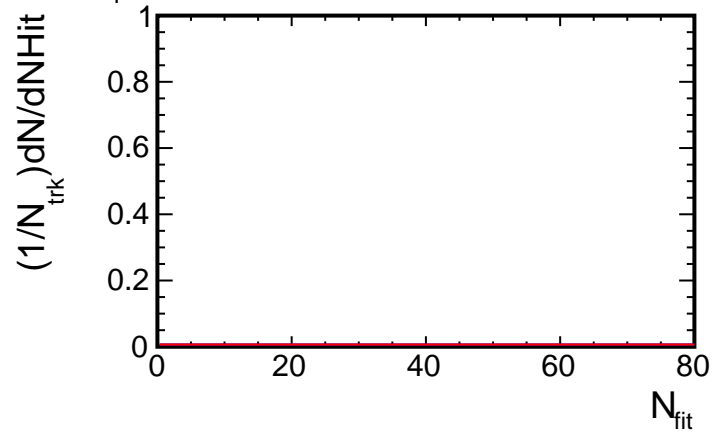
— pi-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

NHit distribution for (p_T , η) slices

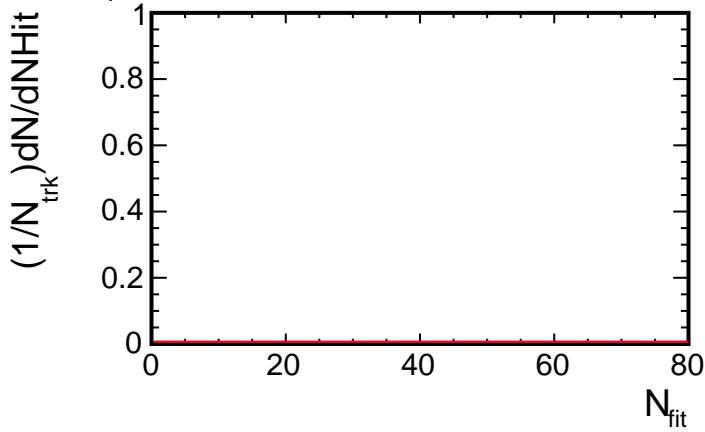
2, $2.5 < p_T < 3.0$ (GeV/c)



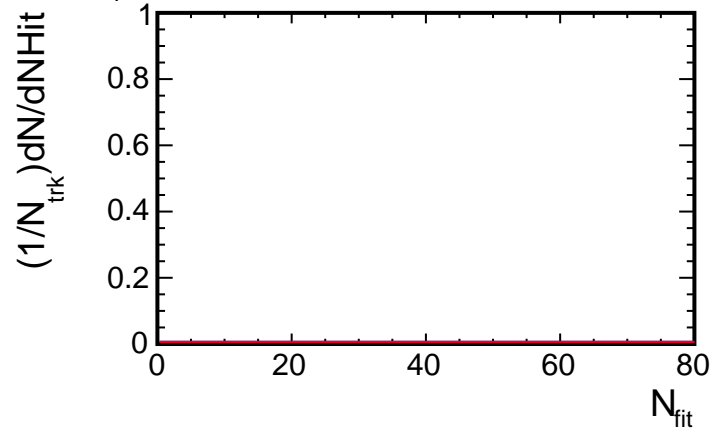
4, $2.5 < p_T < 3.0$ (GeV/c)



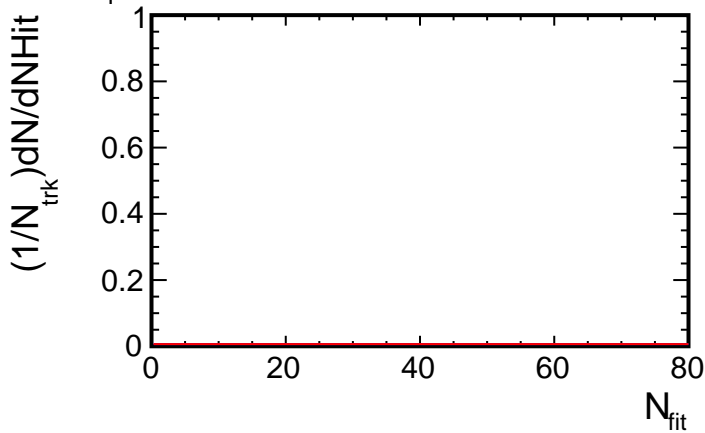
6, $2.5 < p_T < 3.0$ (GeV/c)



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



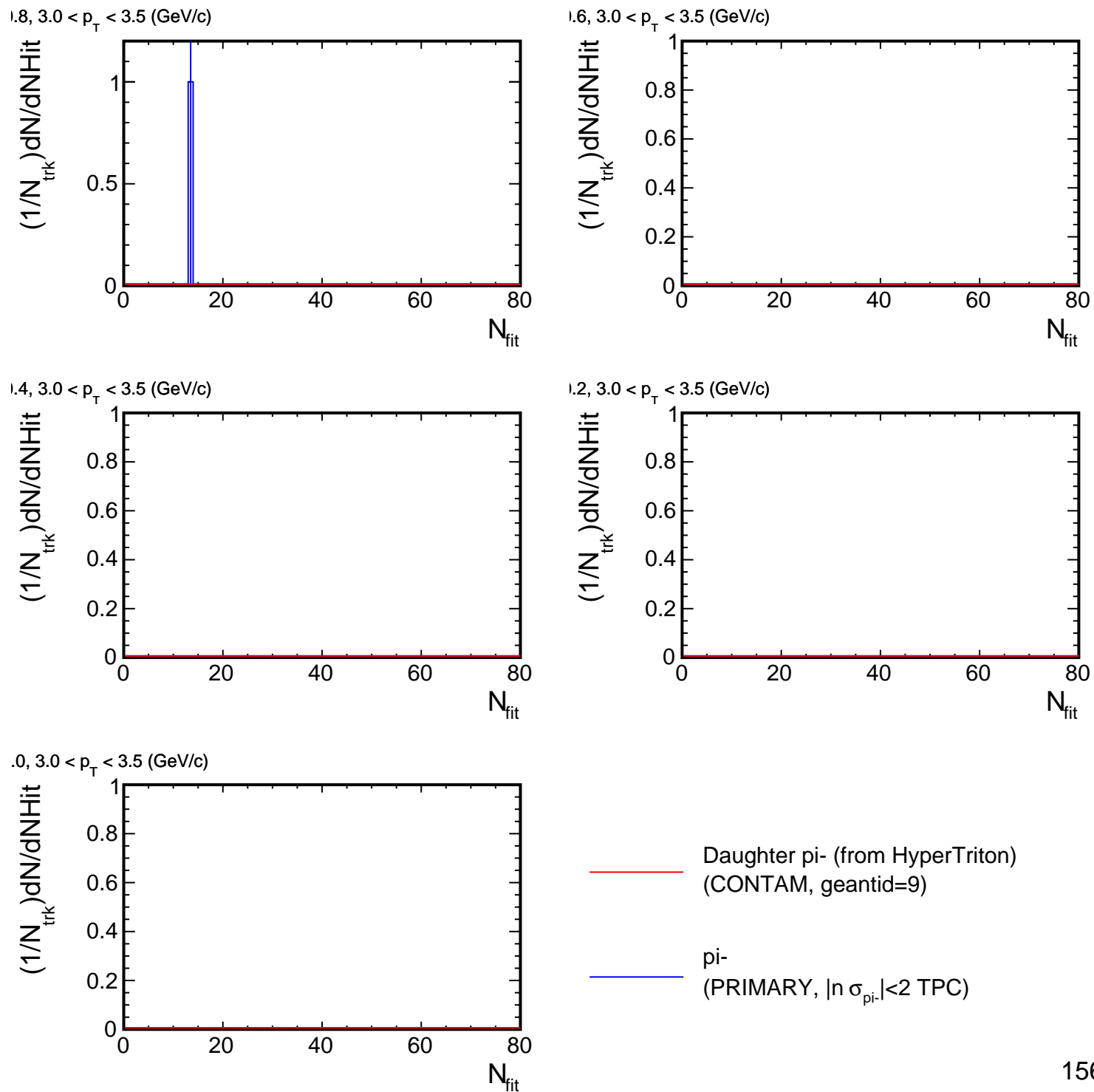
0, $2.5 < p_T < 3.0$ (GeV/c)



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

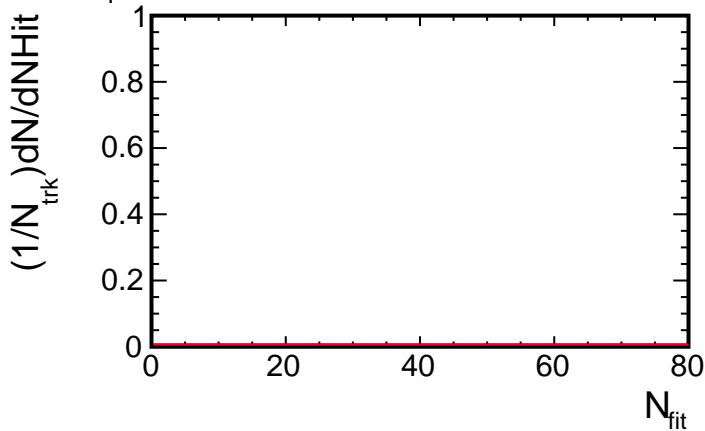
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

NHit distribution for (p_T , η) slices

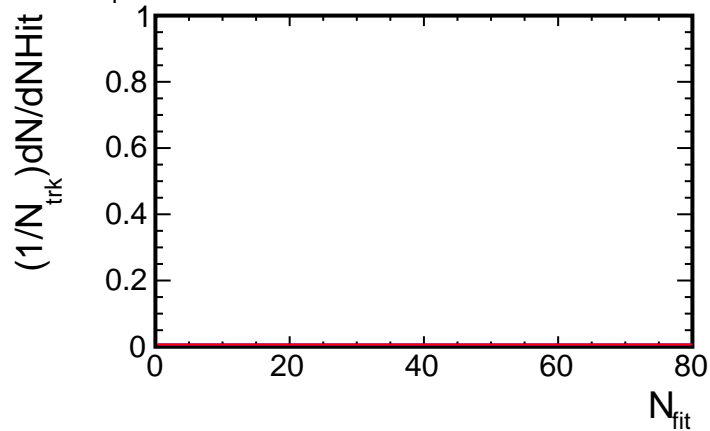


NHit distribution for (p_T , η) slices

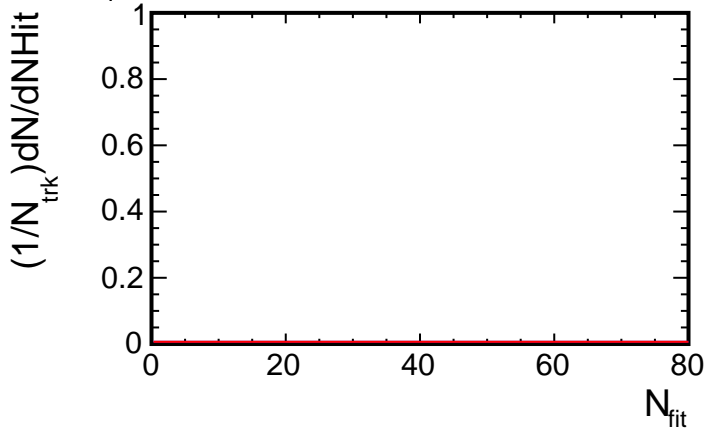
2, $3.0 < p_T < 3.5$ (GeV/c)



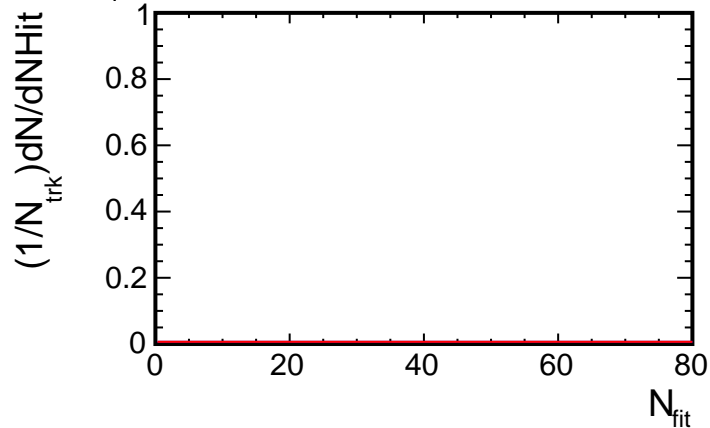
4, $3.0 < p_T < 3.5$ (GeV/c)



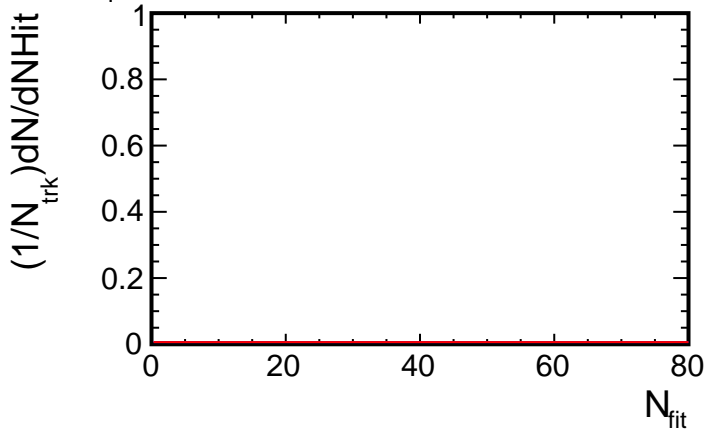
6, $3.0 < p_T < 3.5$ (GeV/c)



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



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

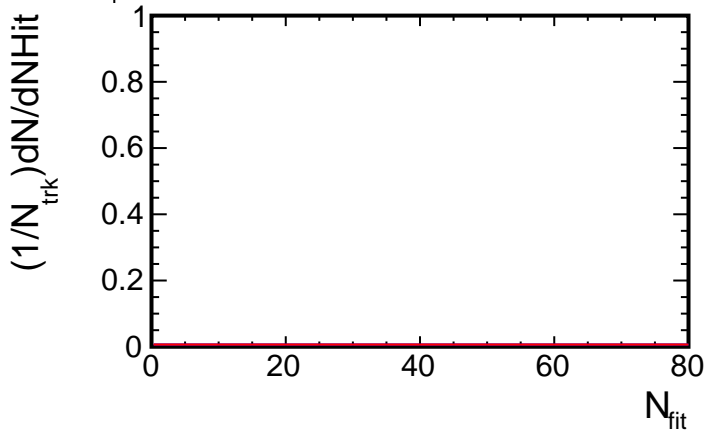


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

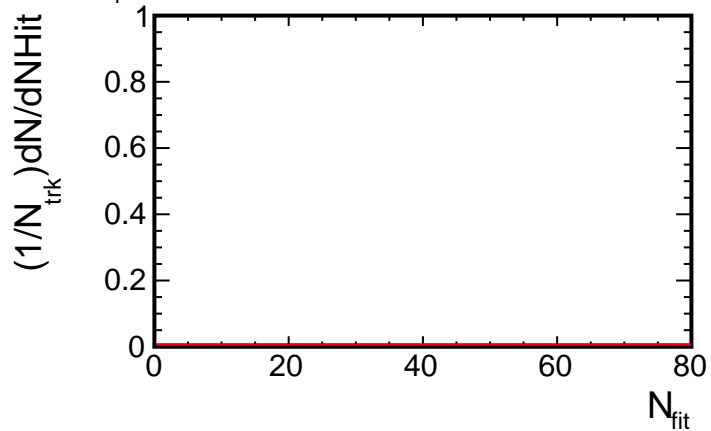
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

NHit distribution for (p_T , η) slices

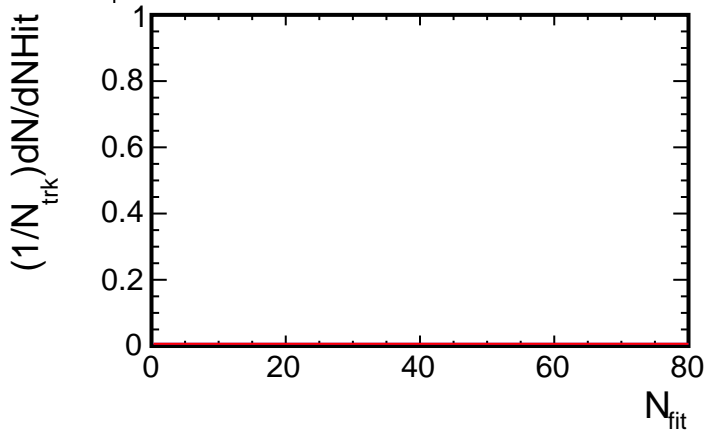
1.8, $3.5 < p_T < 4.0$ (GeV/c)



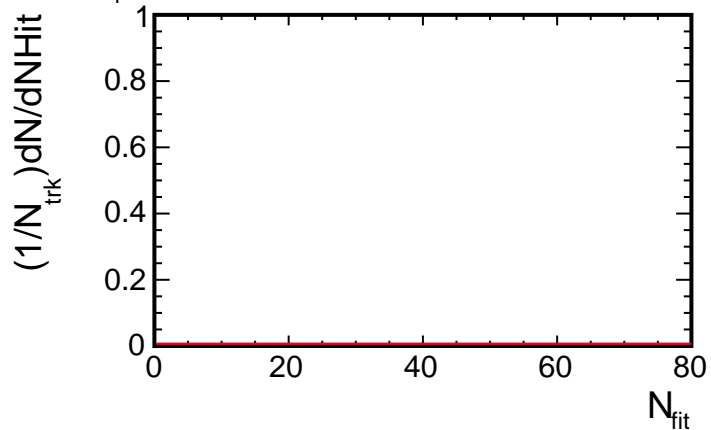
1.6, $3.5 < p_T < 4.0$ (GeV/c)



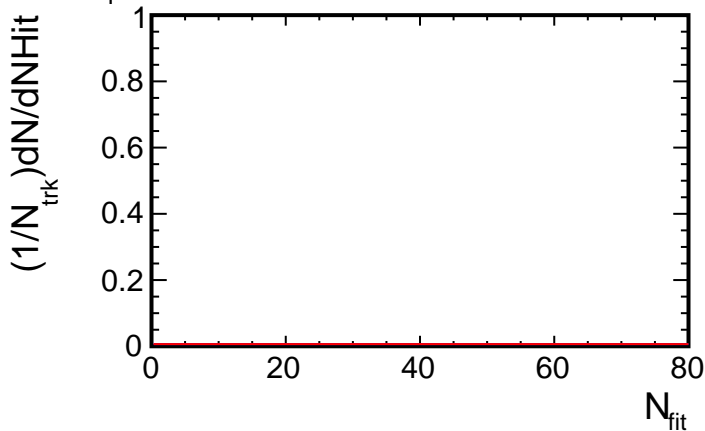
1.4, $3.5 < p_T < 4.0$ (GeV/c)



1.2, $3.5 < p_T < 4.0$ (GeV/c)



1.0, $3.5 < p_T < 4.0$ (GeV/c)

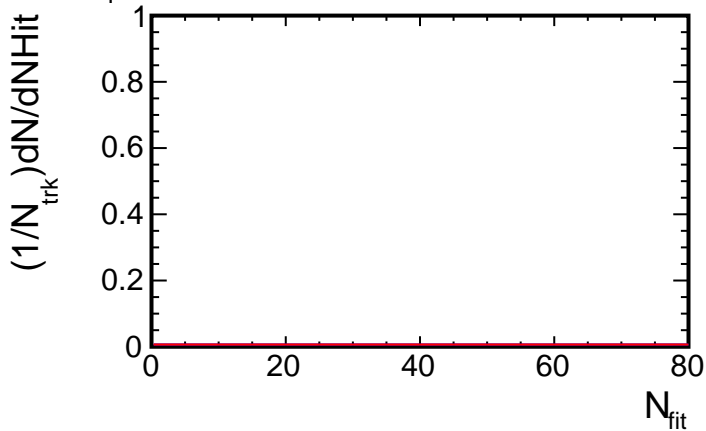


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

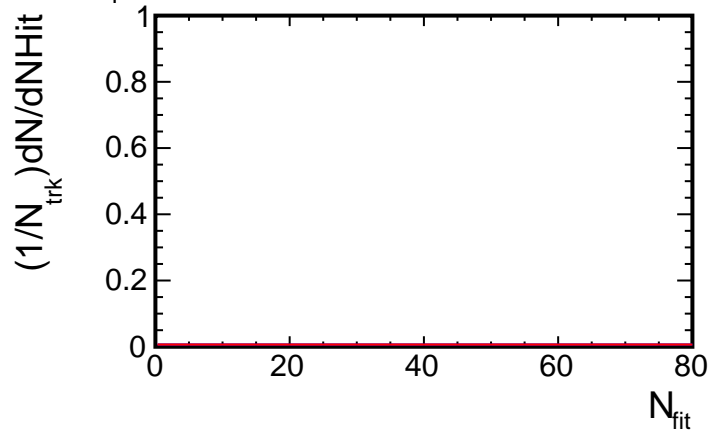
— pi-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

NHit distribution for (p_T , η) slices

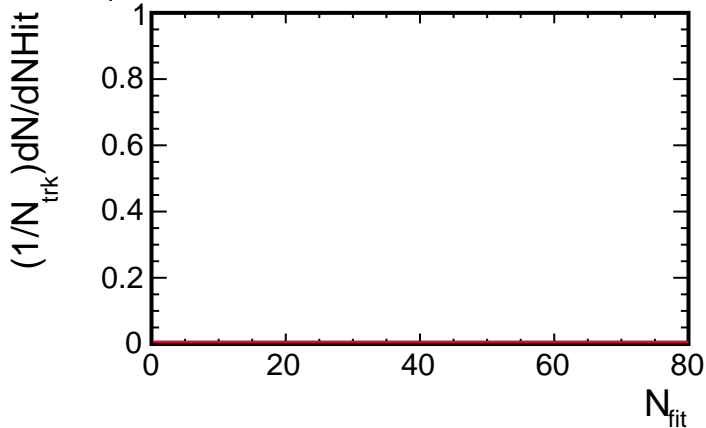
2, $3.5 < p_T < 4.0$ (GeV/c)



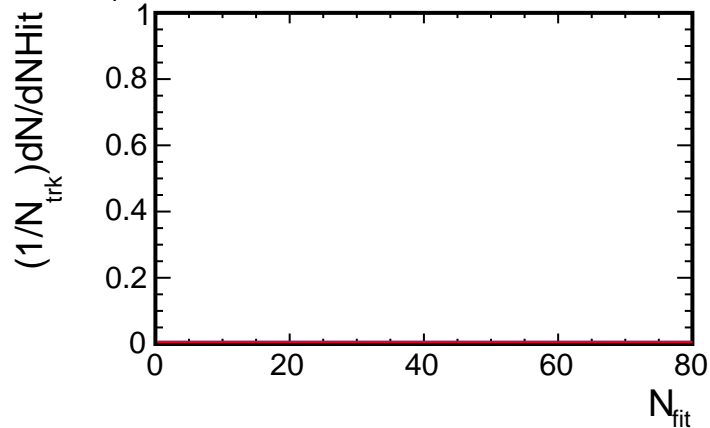
4, $3.5 < p_T < 4.0$ (GeV/c)



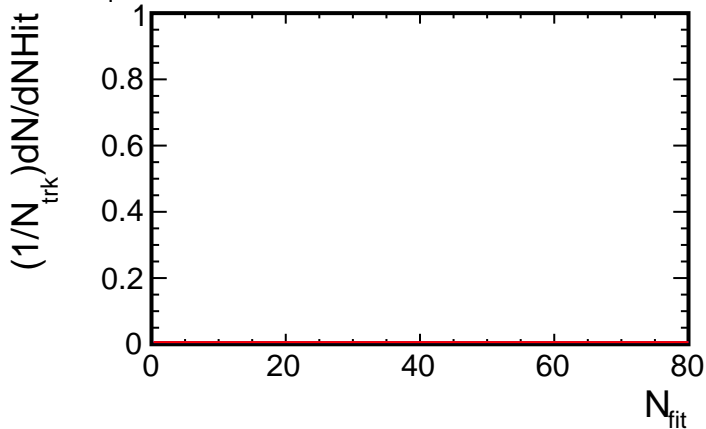
6, $3.5 < p_T < 4.0$ (GeV/c)



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



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

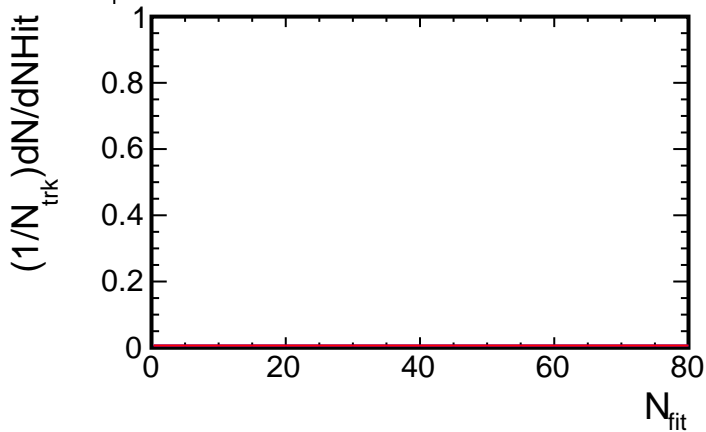


— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

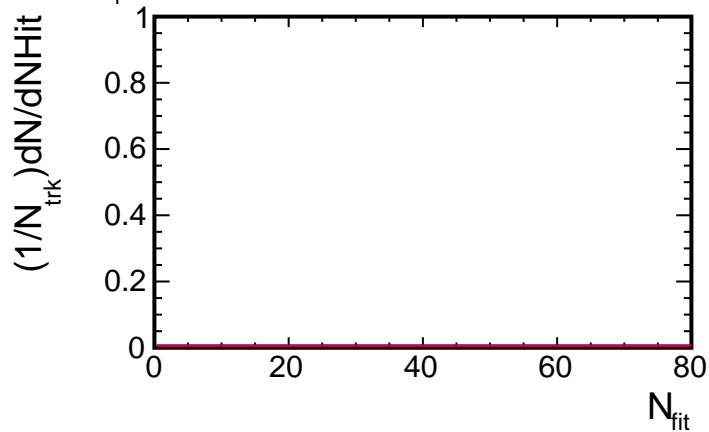
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

NHit distribution for (p_T, η) slices

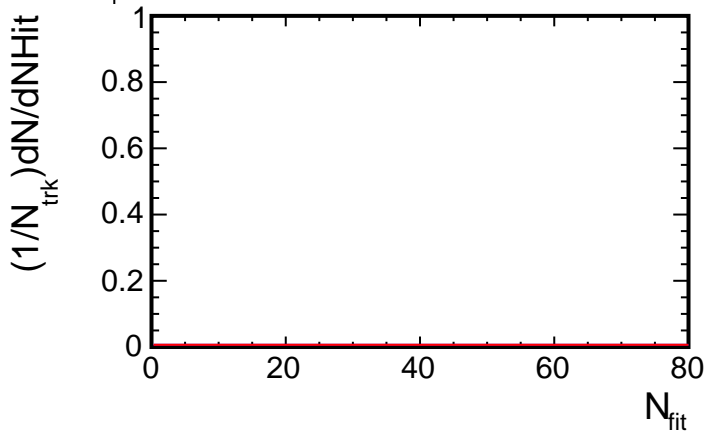
1.8, $4.0 < p_T < 4.5$ (GeV/c)



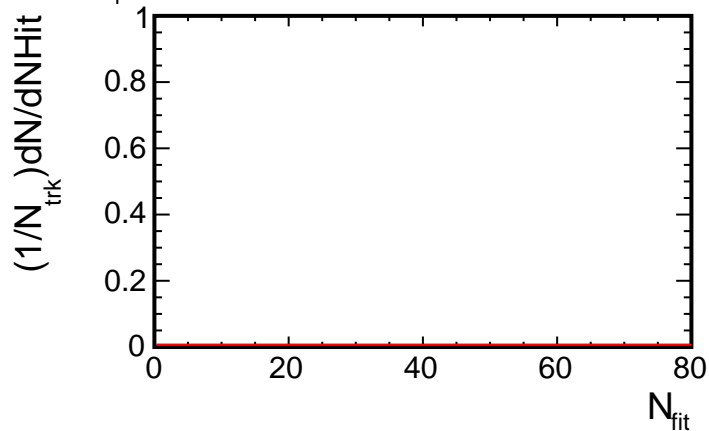
1.6, $4.0 < p_T < 4.5$ (GeV/c)



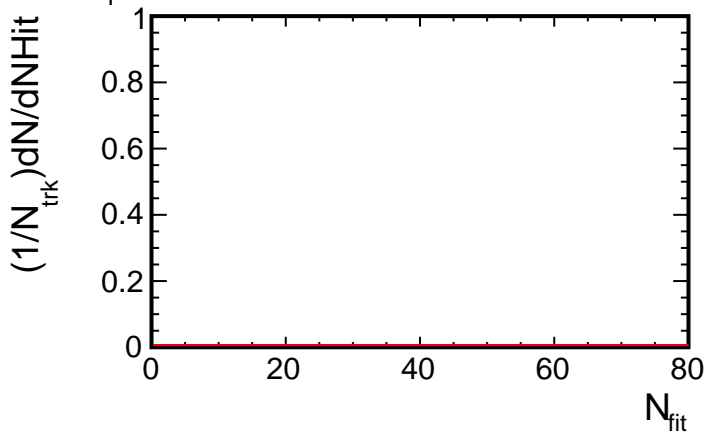
1.4, $4.0 < p_T < 4.5$ (GeV/c)



1.2, $4.0 < p_T < 4.5$ (GeV/c)



1.0, $4.0 < p_T < 4.5$ (GeV/c)

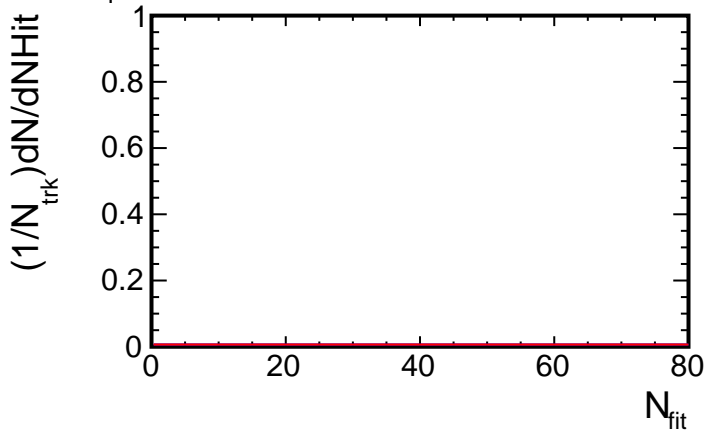


— Daughter π^- (from HyperTriton)
(CONTAM, geantid=9)

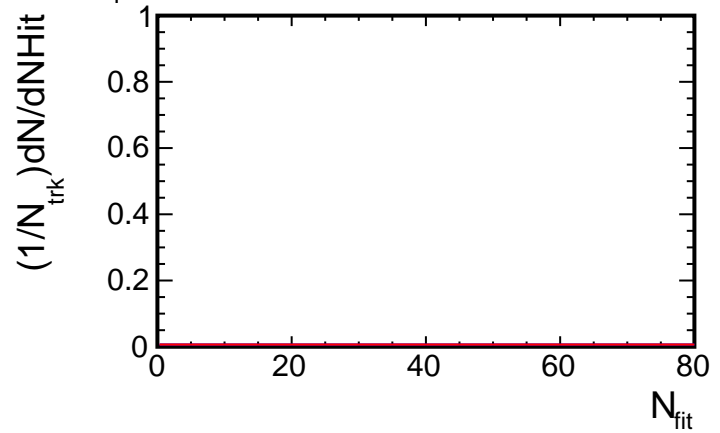
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

NHit distribution for (p_T , η) slices

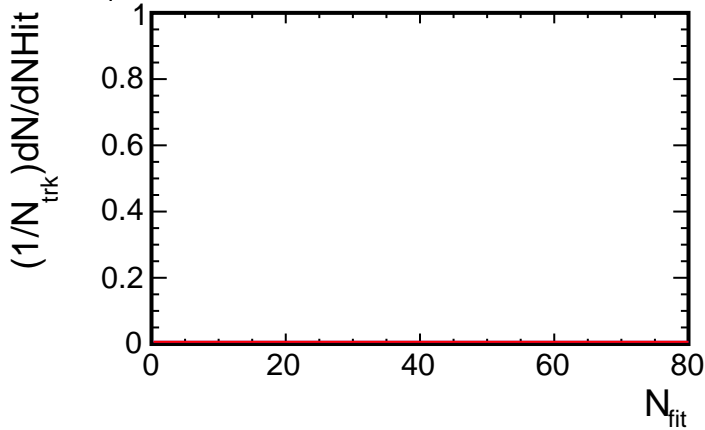
2, $4.0 < p_T < 4.5$ (GeV/c)



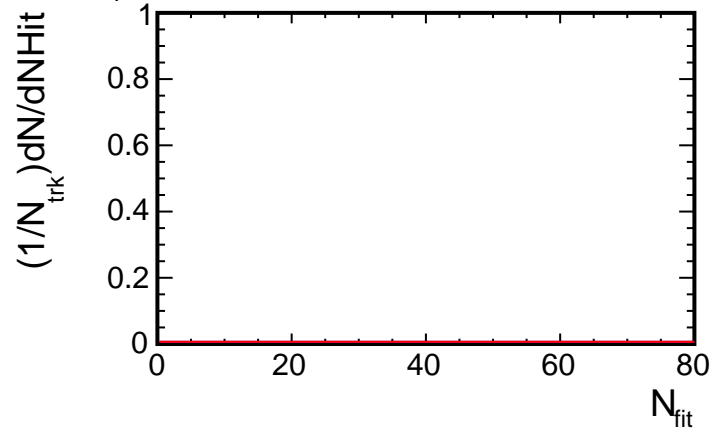
4, $4.0 < p_T < 4.5$ (GeV/c)



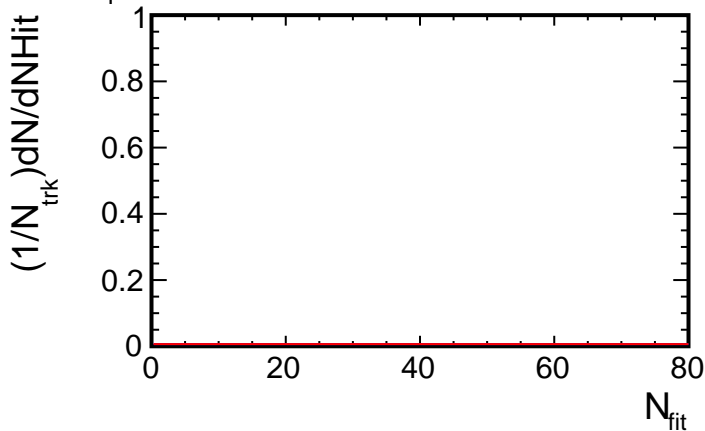
6, $4.0 < p_T < 4.5$ (GeV/c)



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



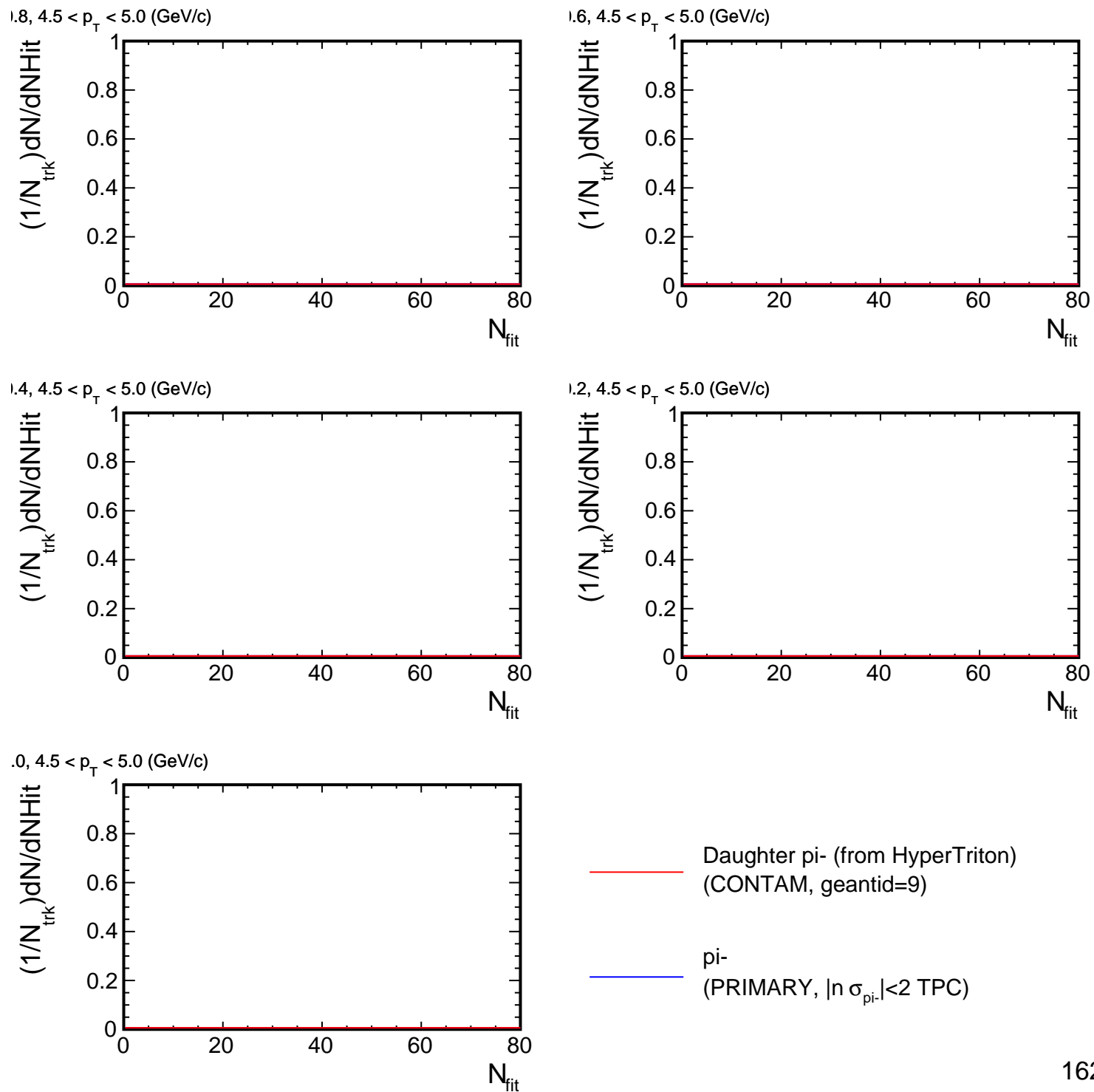
0, $4.0 < p_T < 4.5$ (GeV/c)



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

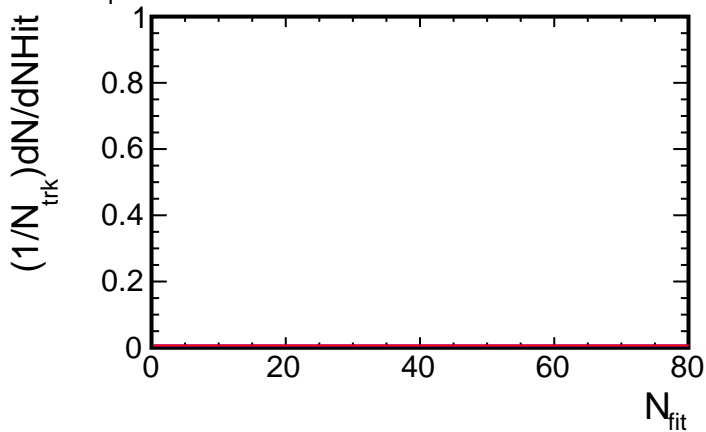
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi}^-}| < 2$ TPC)

NHit distribution for (p_T , η) slices

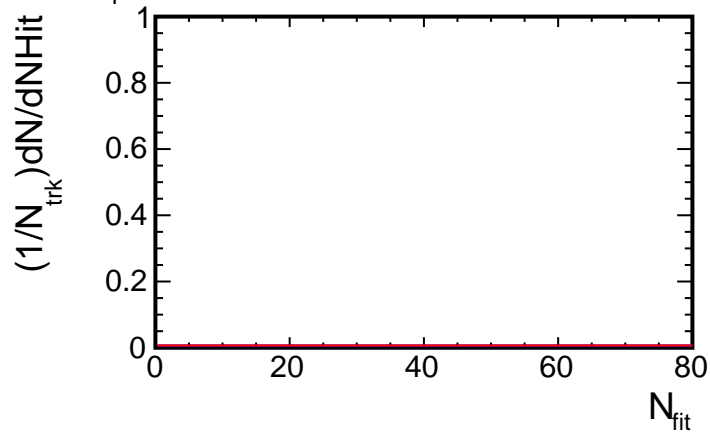


NHit distribution for (p_T , η) slices

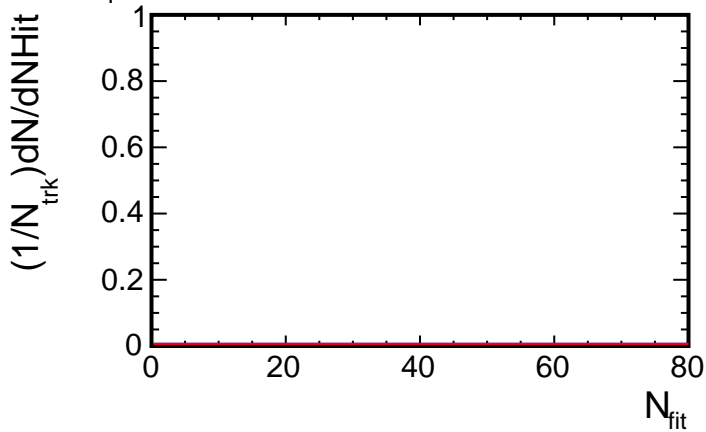
2, $4.5 < p_T < 5.0$ (GeV/c)



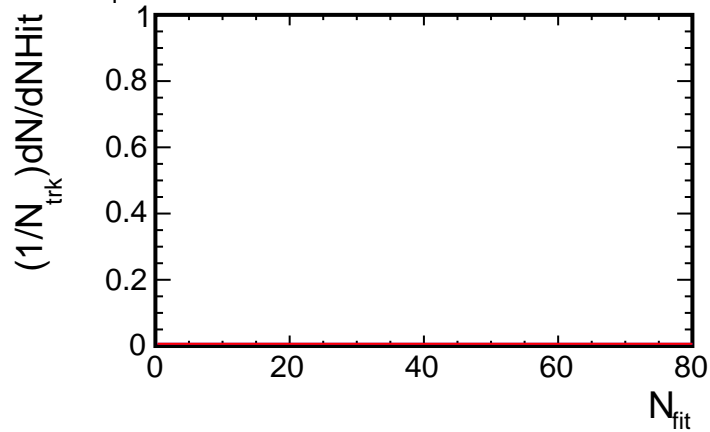
4, $4.5 < p_T < 5.0$ (GeV/c)



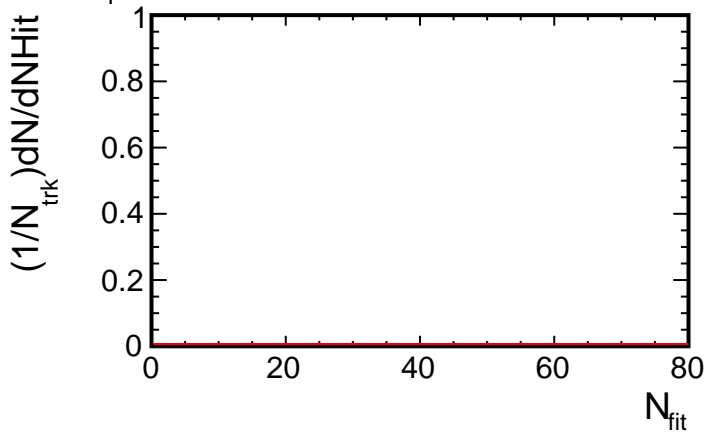
6, $4.5 < p_T < 5.0$ (GeV/c)



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



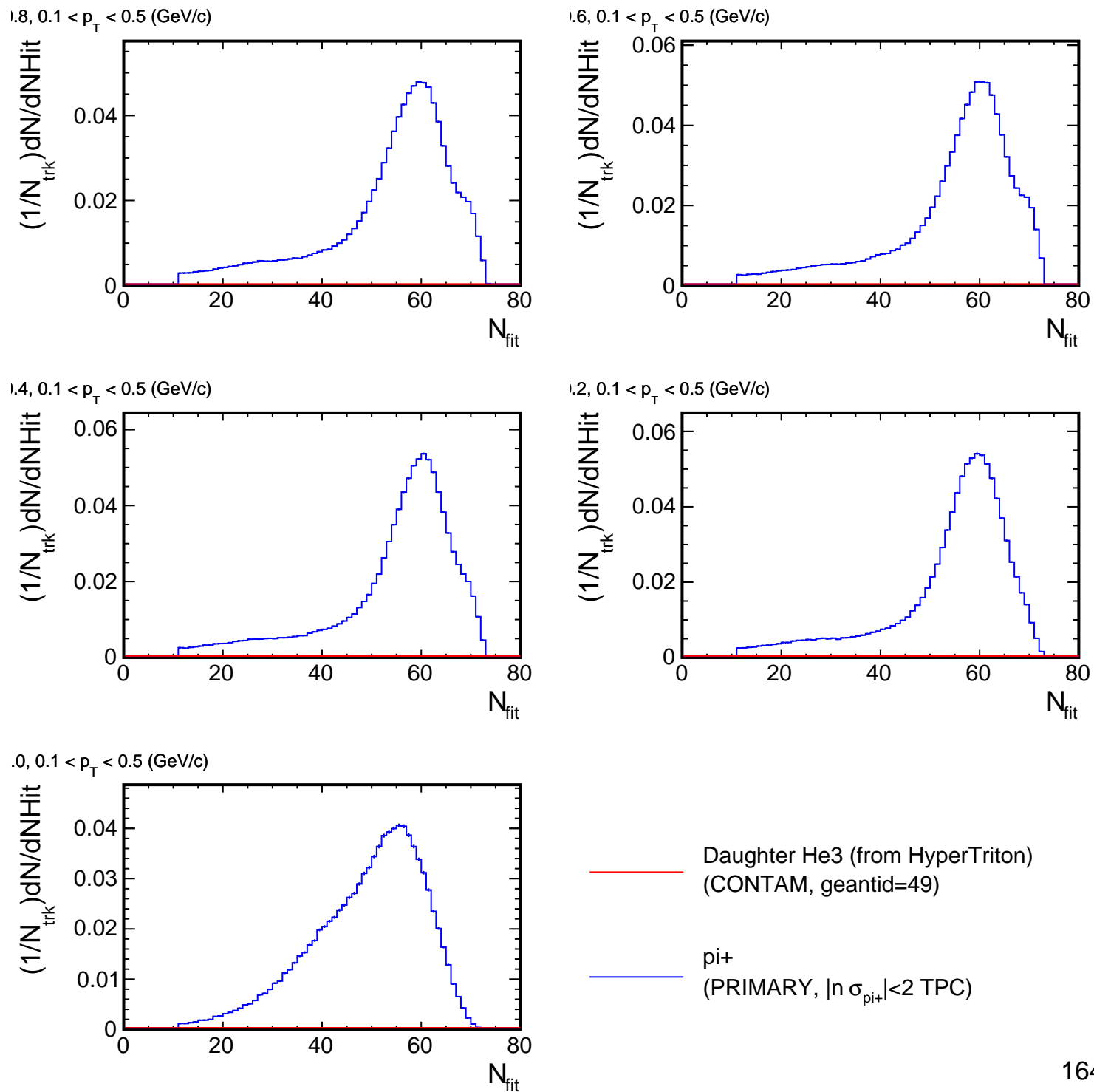
0, $4.5 < p_T < 5.0$ (GeV/c)



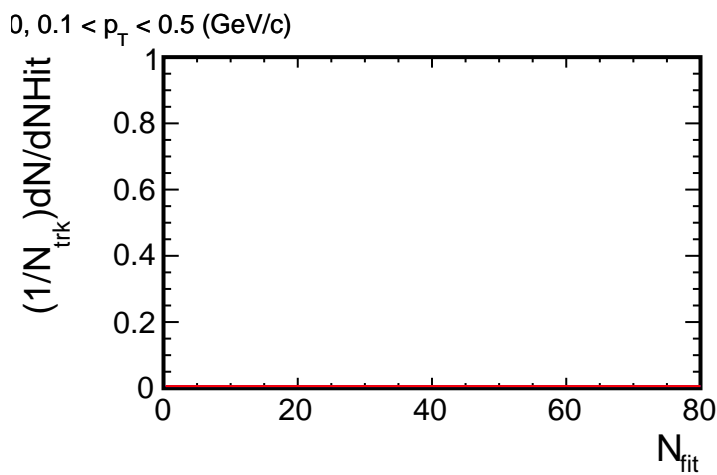
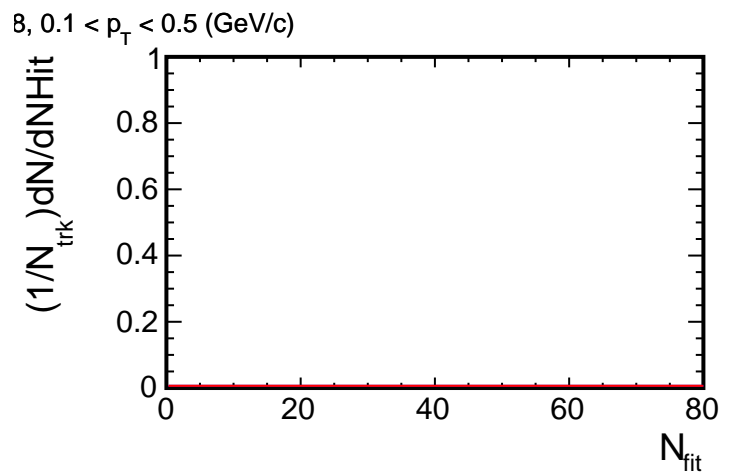
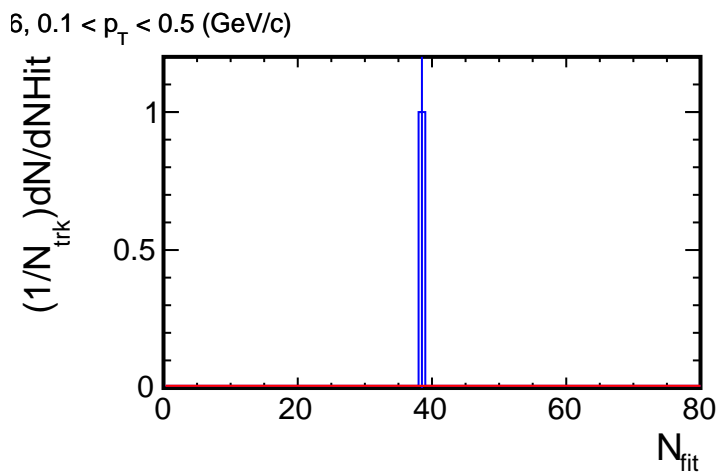
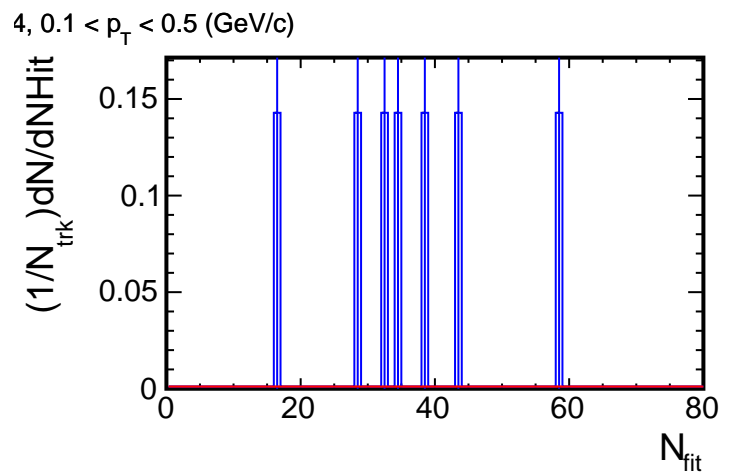
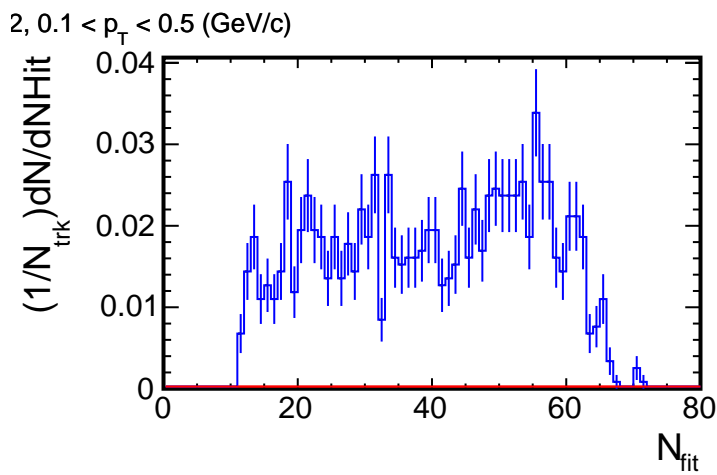
— Daughter pi- (from HyperTriton)
(CONTAM, geantid=9)

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

NHit distribution for (p_T , η) slices



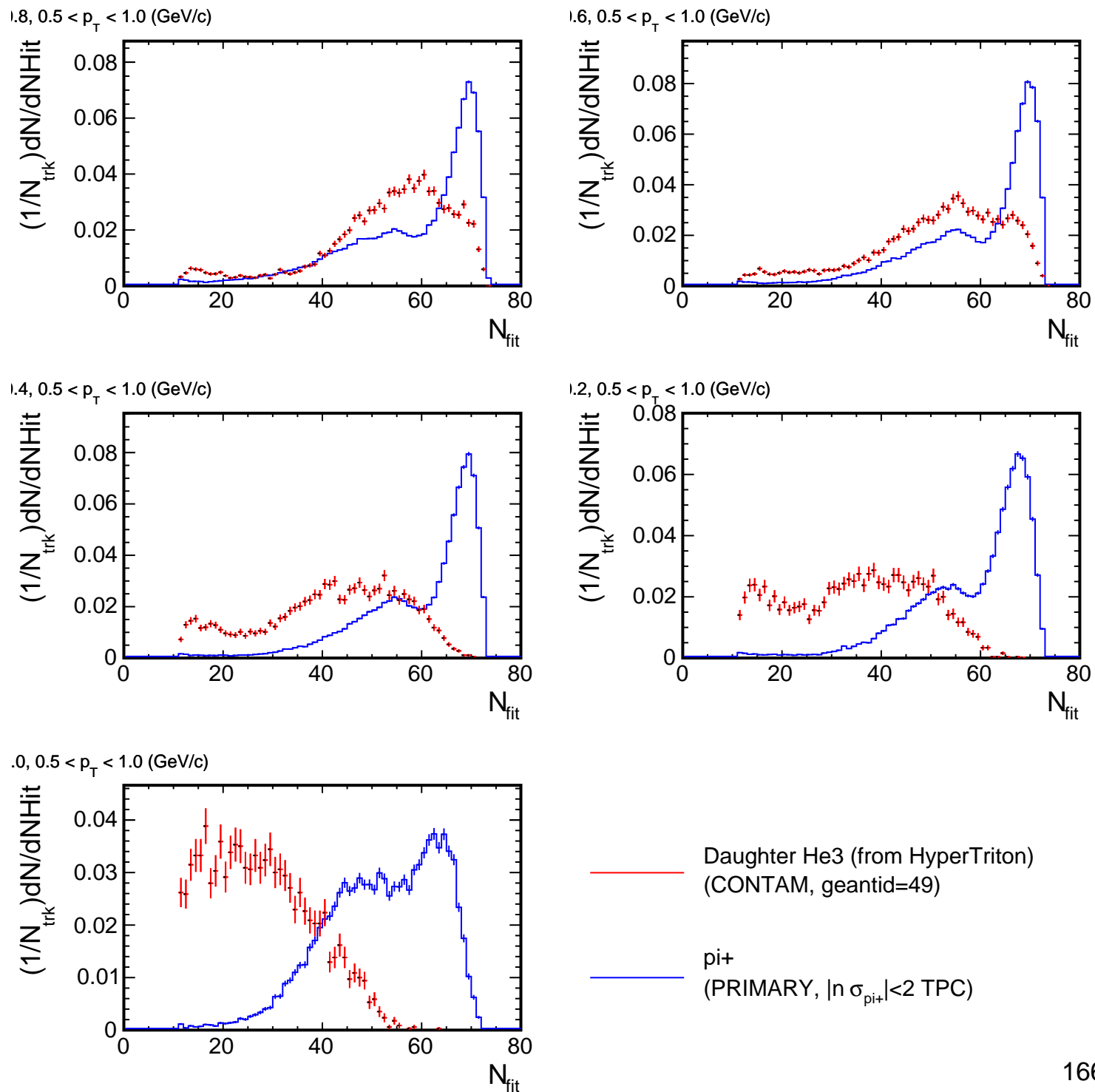
NHit distribution for (p_T , η) slices



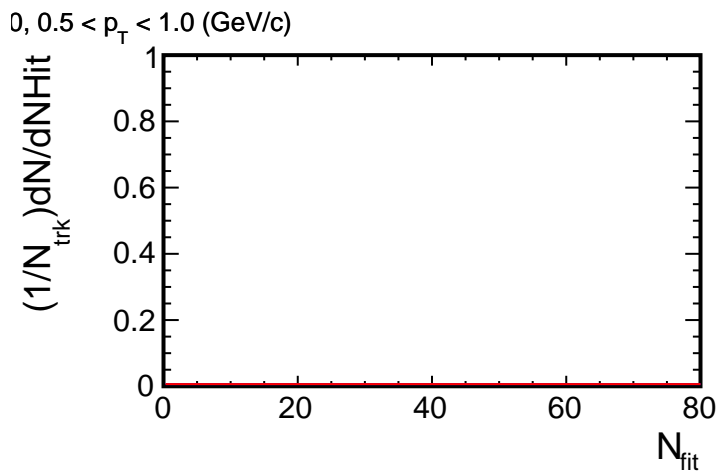
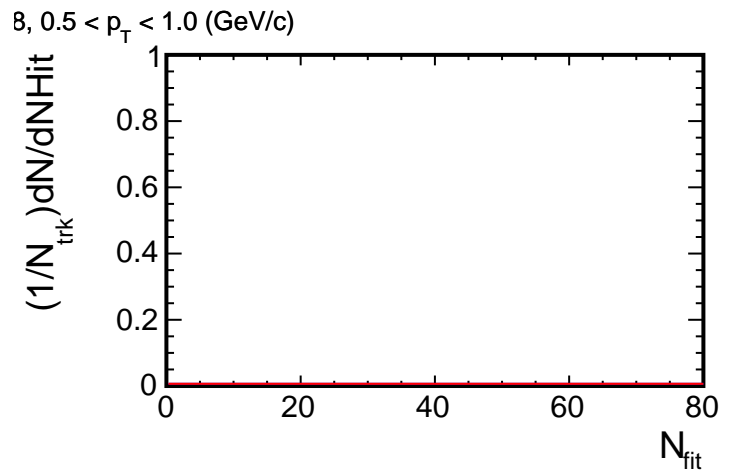
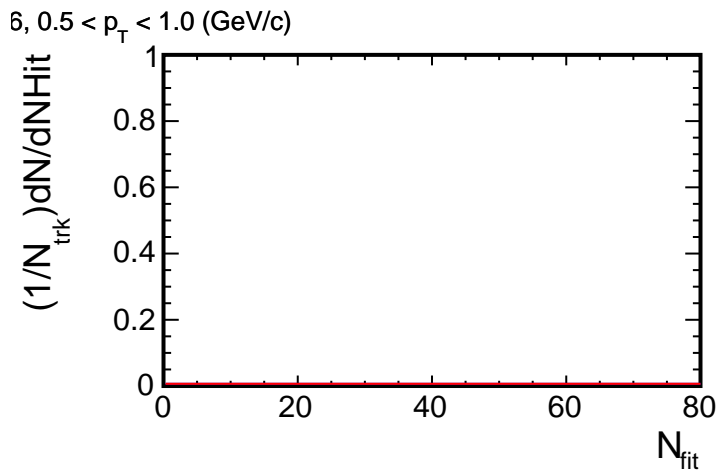
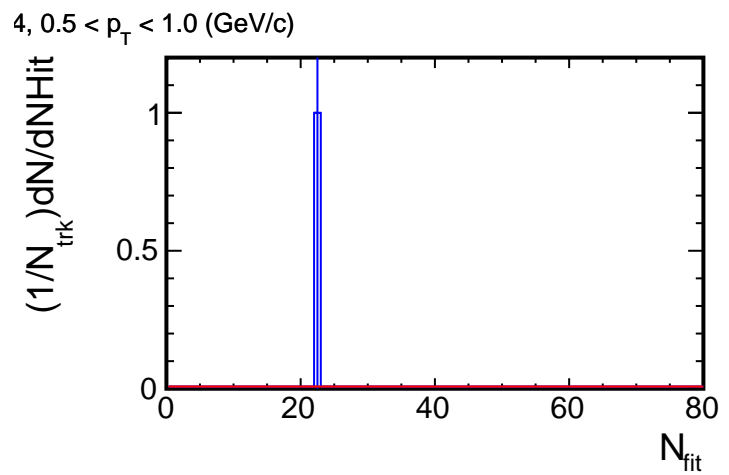
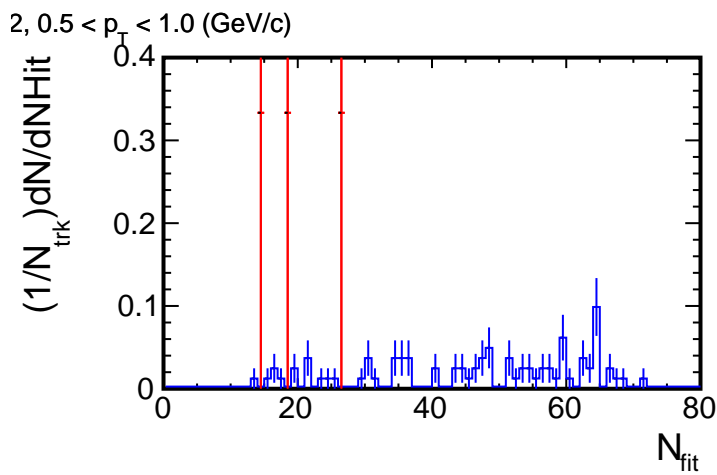
— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

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

NHit distribution for (p_T , η) slices



NHit distribution for (p_T , η) slices

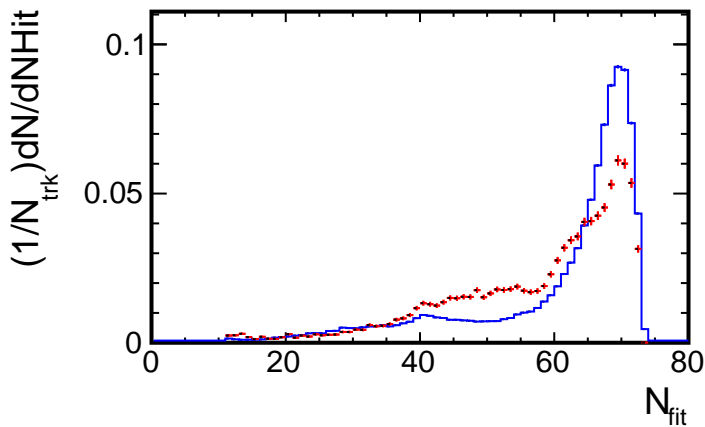


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

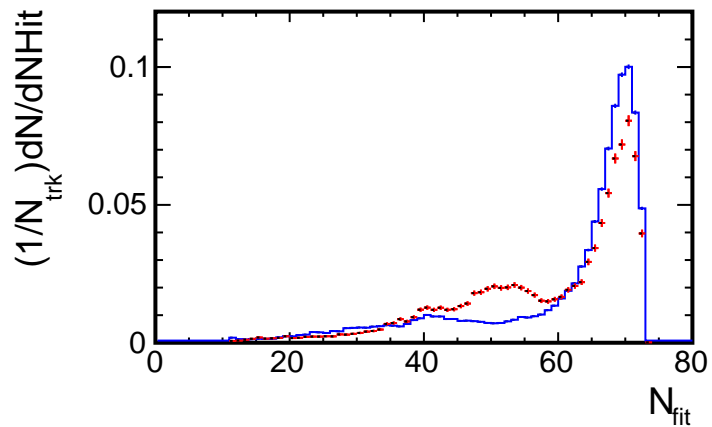
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

NHit distribution for (p_T , η) slices

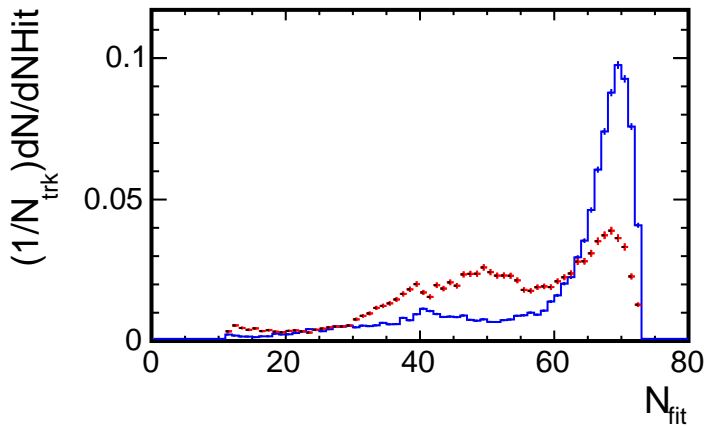
1.8, $1.0 < p_T < 1.5$ (GeV/c)



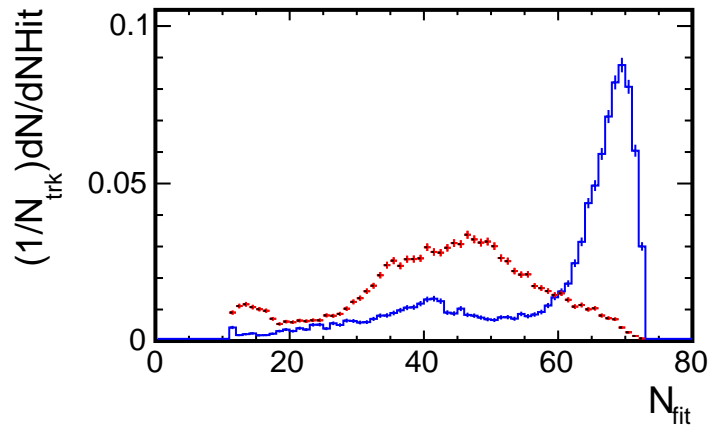
1.6, $1.0 < p_T < 1.5$ (GeV/c)



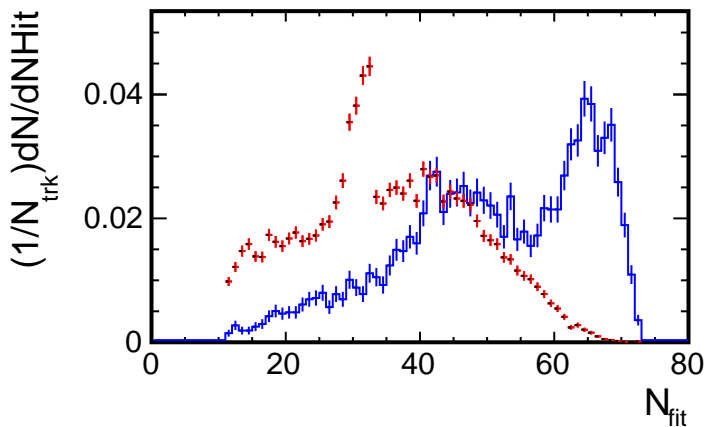
1.4, $1.0 < p_T < 1.5$ (GeV/c)



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



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

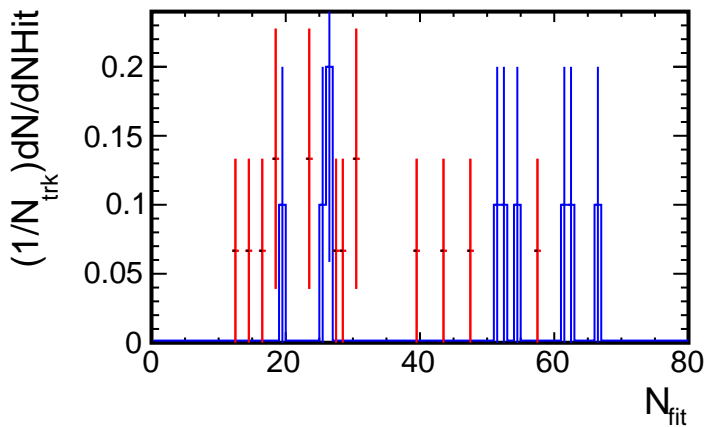


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

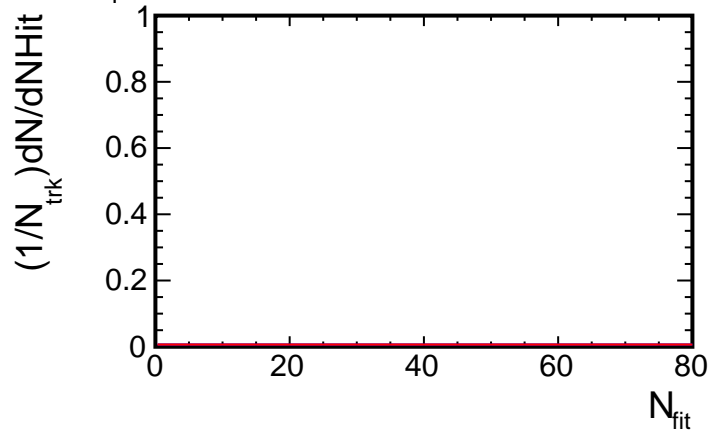
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

NHit distribution for (p_T , η) slices

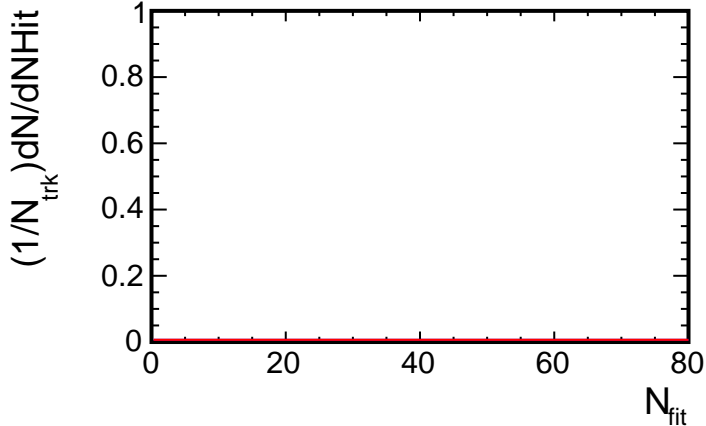
2, $1.0 < p_T < 1.5$ (GeV/c)



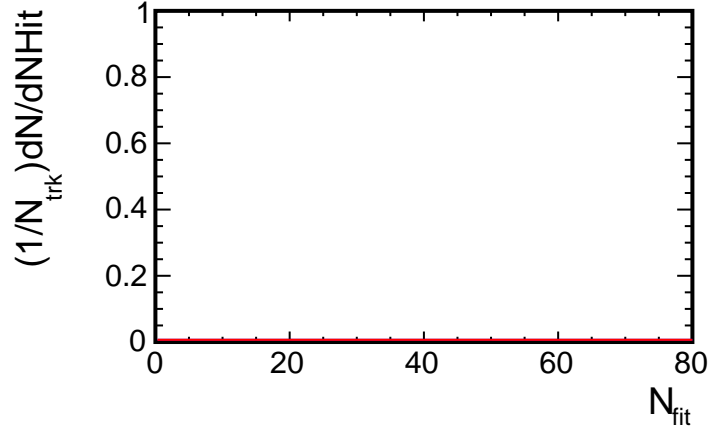
4, $1.0 < p_T < 1.5$ (GeV/c)



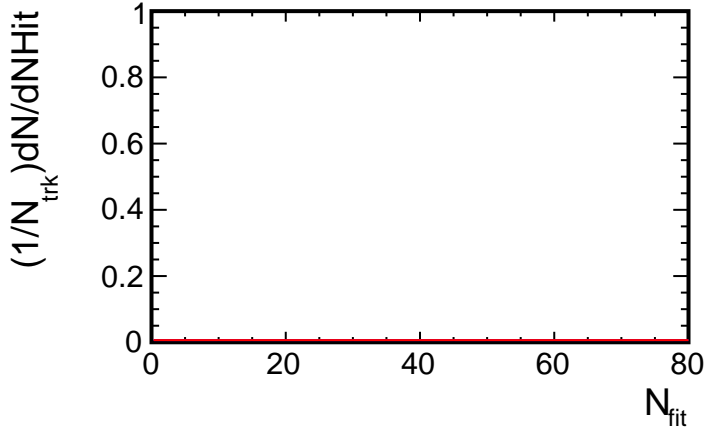
6, $1.0 < p_T < 1.5$ (GeV/c)



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



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

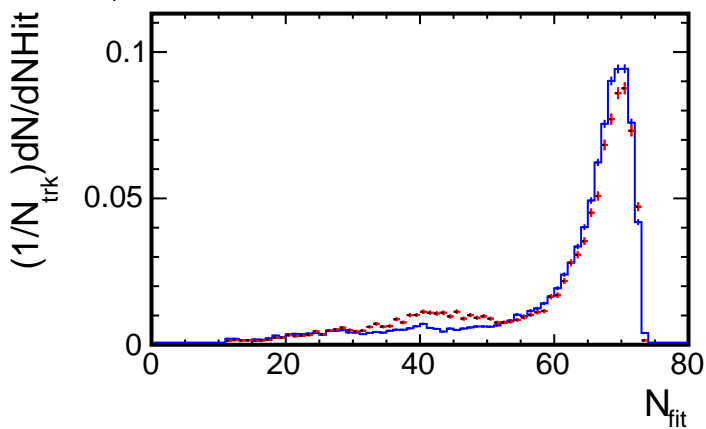


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

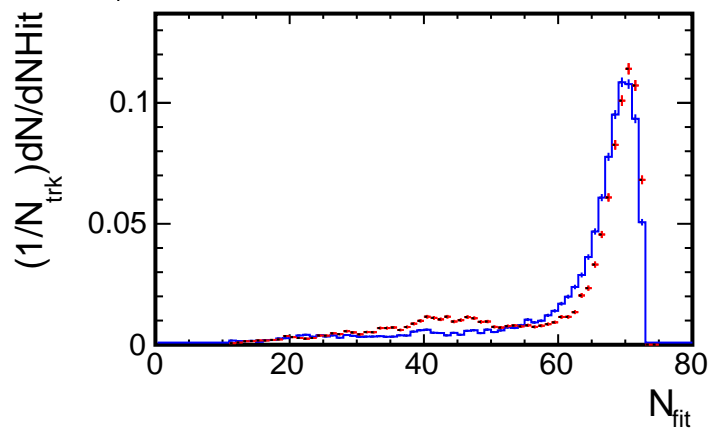
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

NHit distribution for (p_T , η) slices

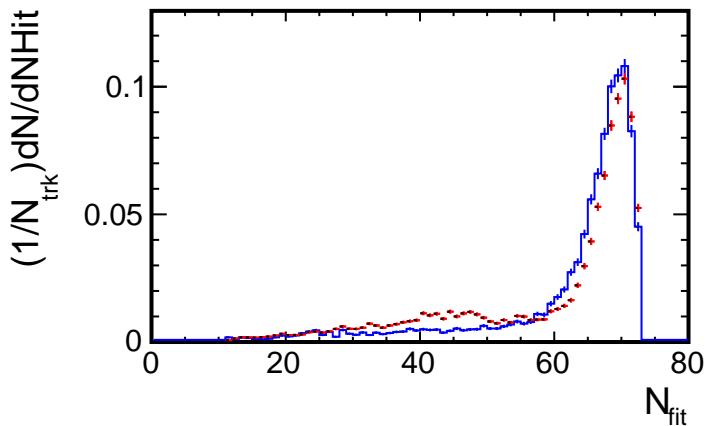
1.8, $1.5 < p_T < 2.0$ (GeV/c)



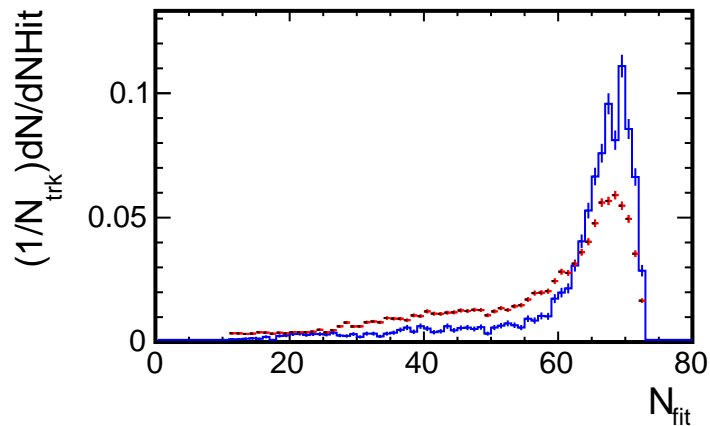
1.6, $1.5 < p_T < 2.0$ (GeV/c)



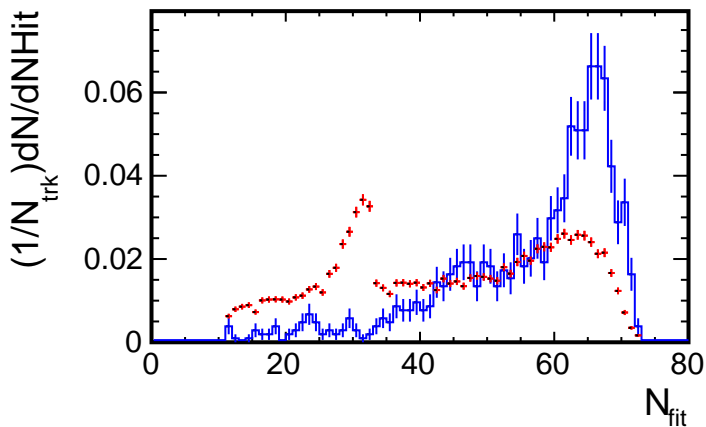
1.4, $1.5 < p_T < 2.0$ (GeV/c)



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



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

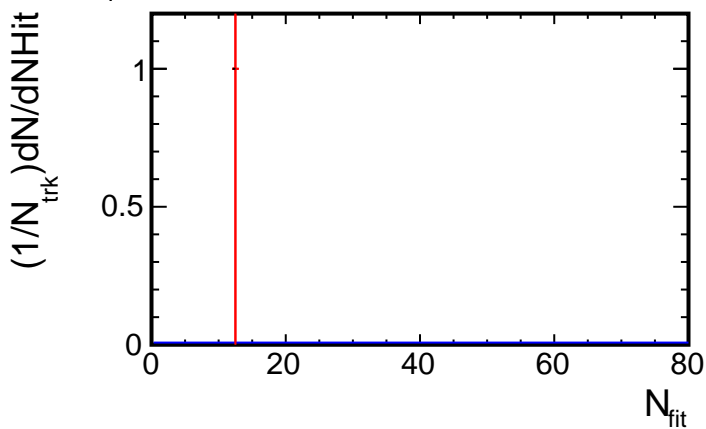


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

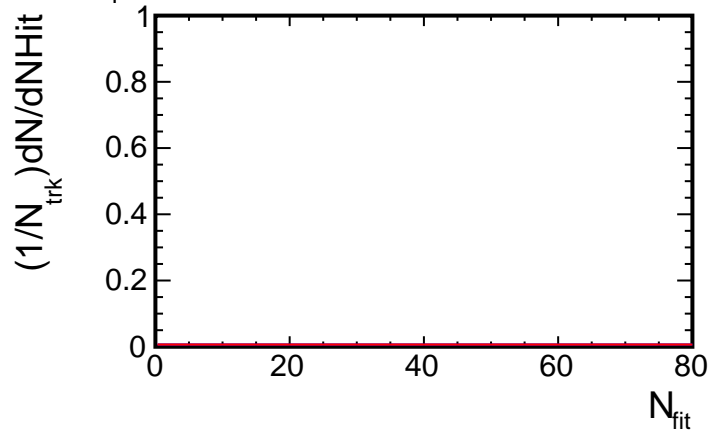
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

NHit distribution for (p_T , η) slices

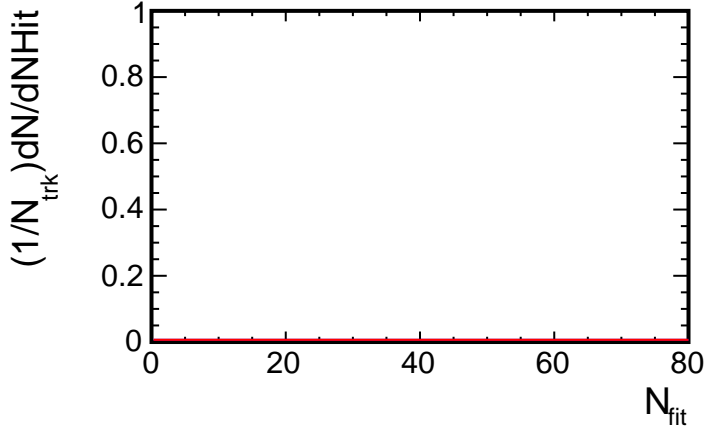
2, $1.5 < p_T < 2.0$ (GeV/c)



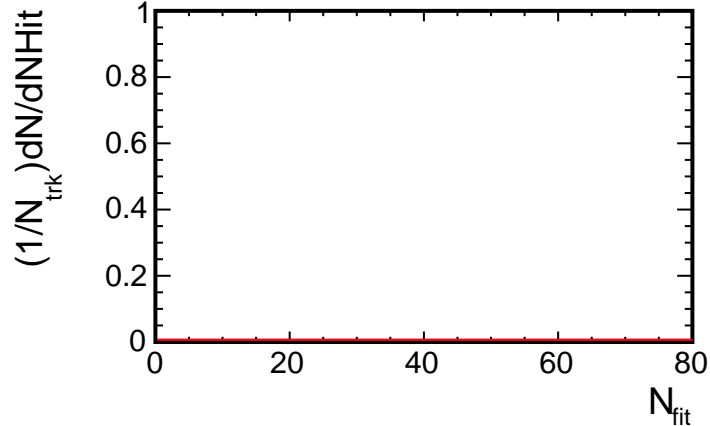
4, $1.5 < p_T < 2.0$ (GeV/c)



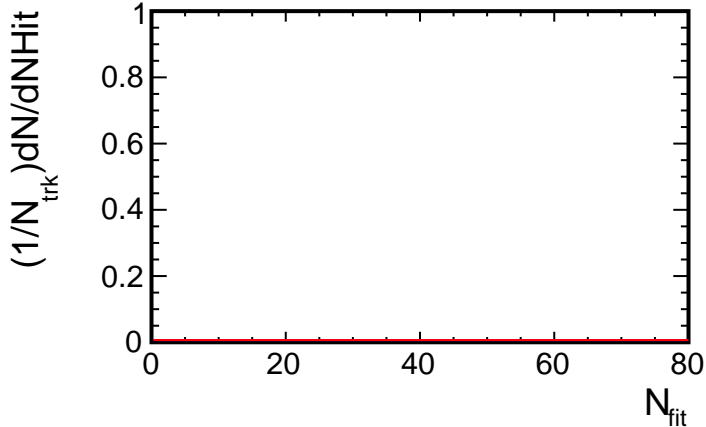
6, $1.5 < p_T < 2.0$ (GeV/c)



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



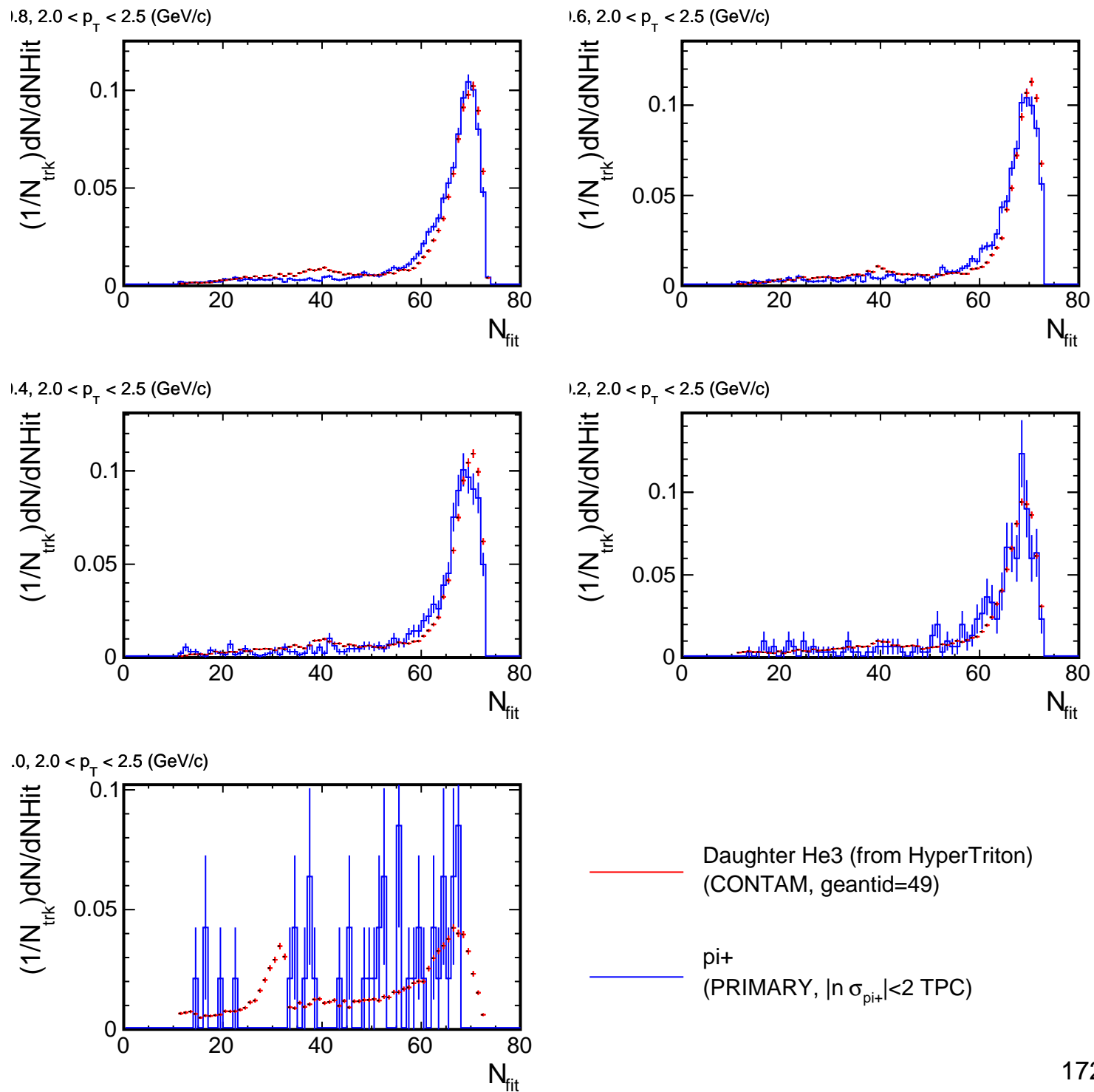
0, $1.5 < p_T < 2.0$ (GeV/c)



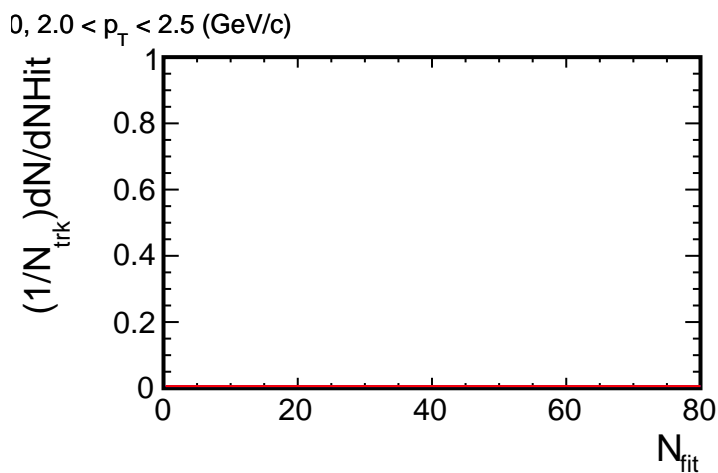
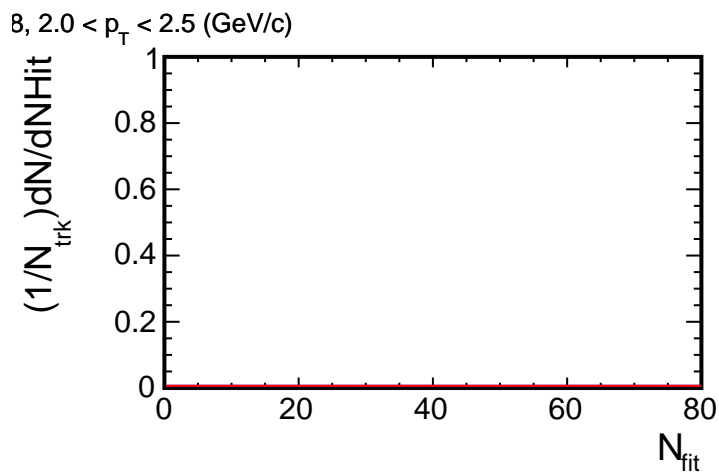
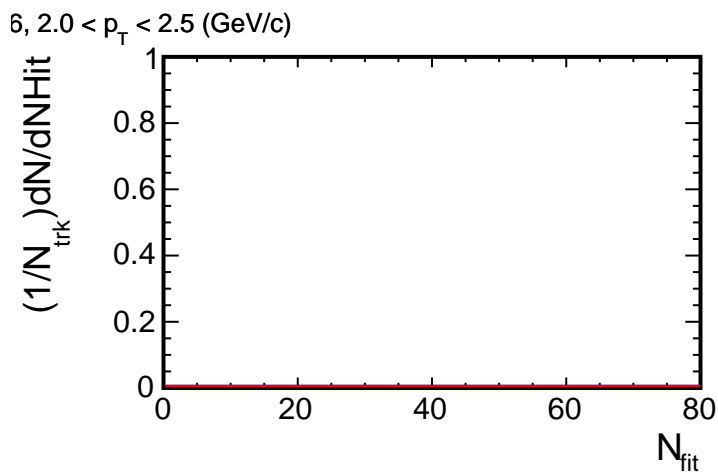
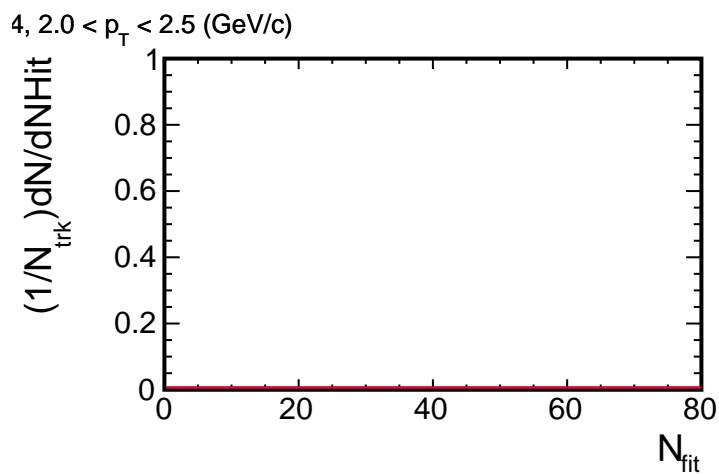
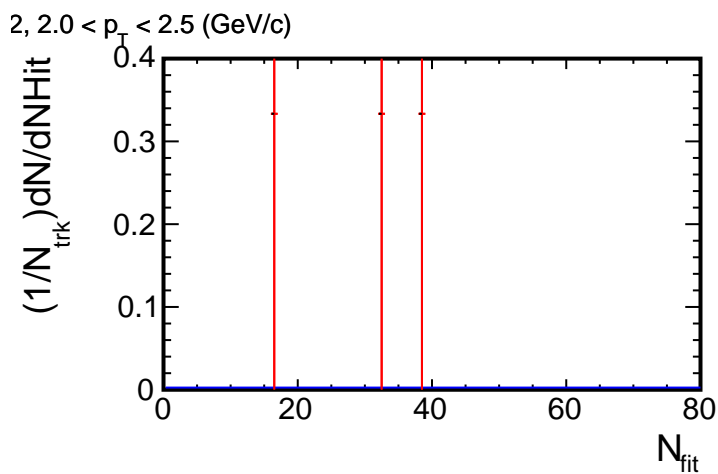
— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

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

NHit distribution for (p_T , η) slices



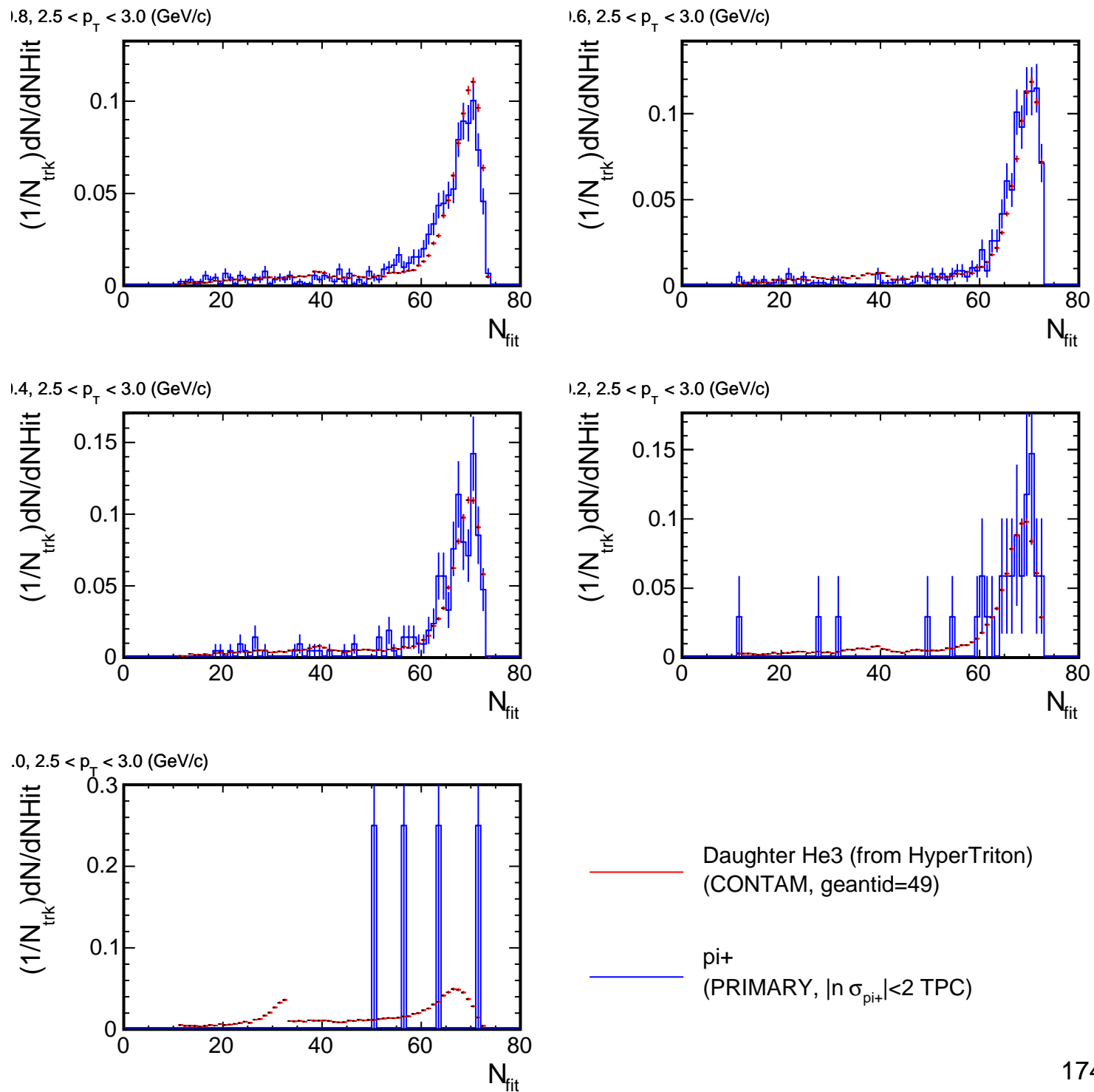
NHit distribution for (p_T , η) slices



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

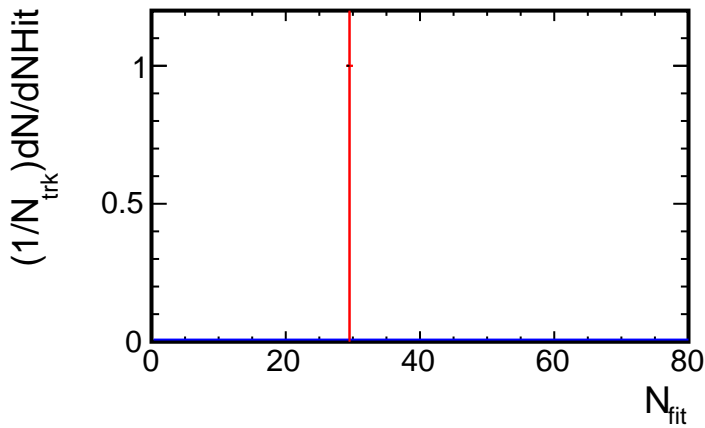
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

NHit distribution for (p_T , η) slices

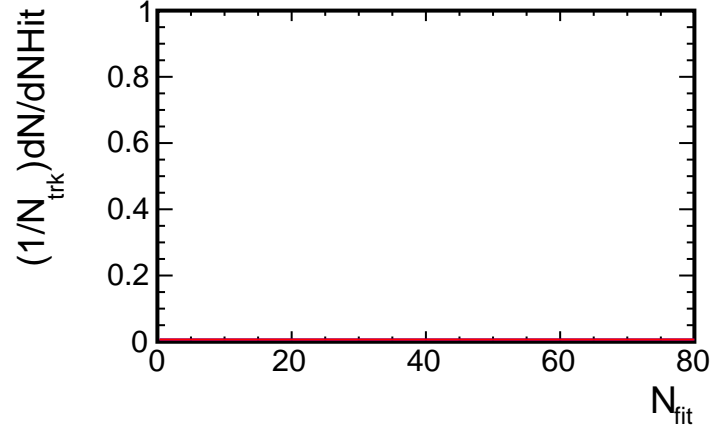


NHit distribution for (p_T , η) slices

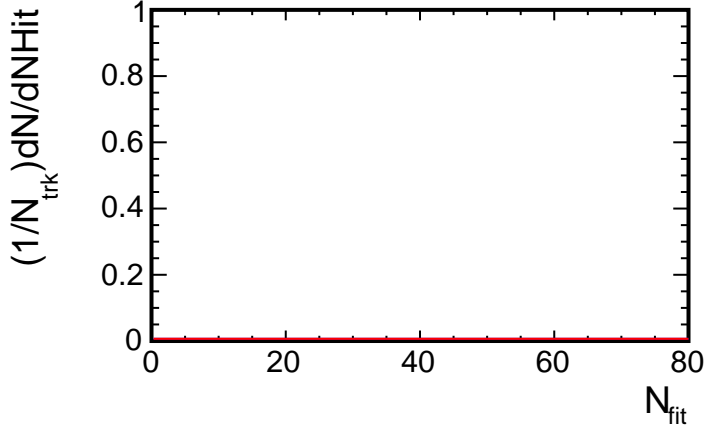
2, $2.5 < p_T < 3.0$ (GeV/c)



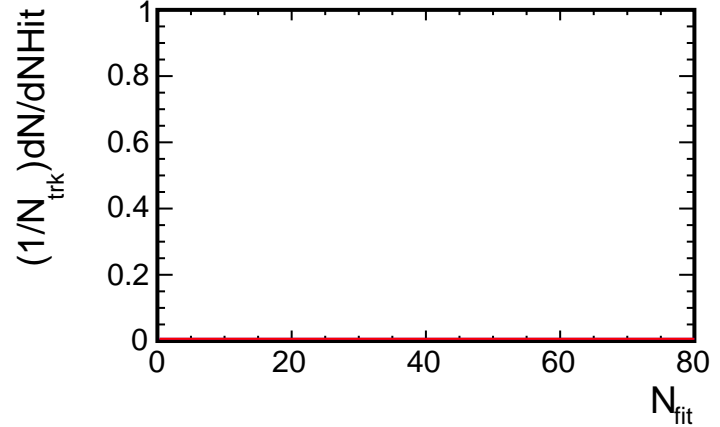
4, $2.5 < p_T < 3.0$ (GeV/c)



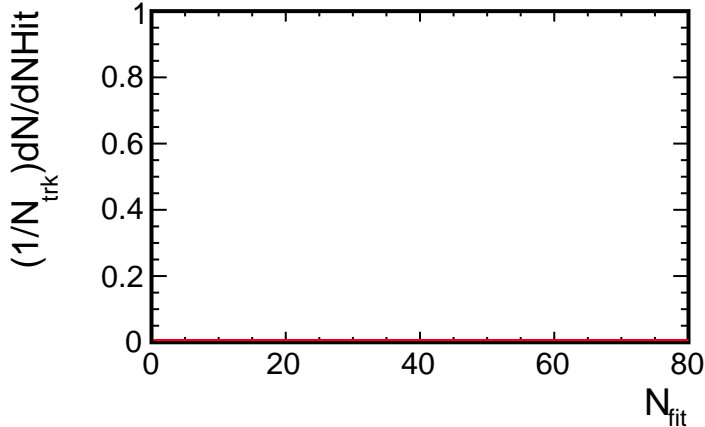
6, $2.5 < p_T < 3.0$ (GeV/c)



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



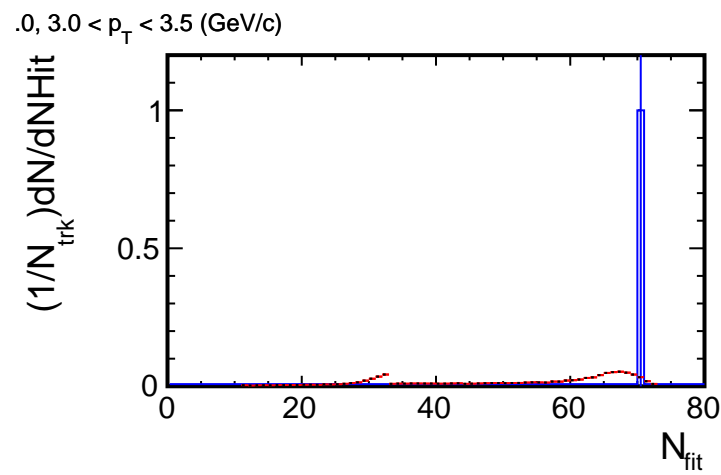
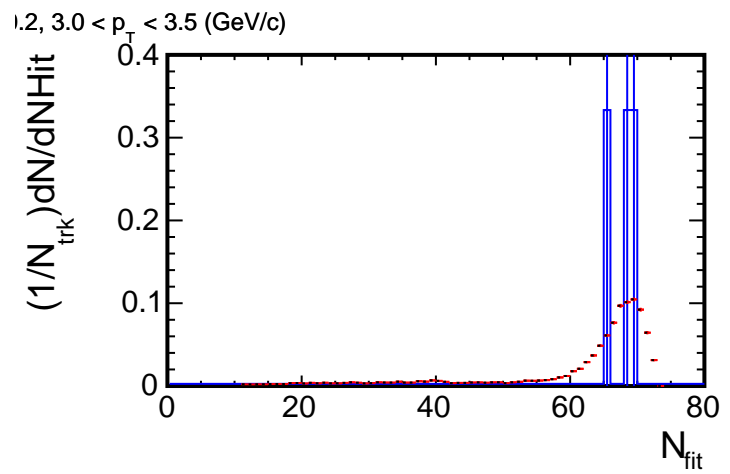
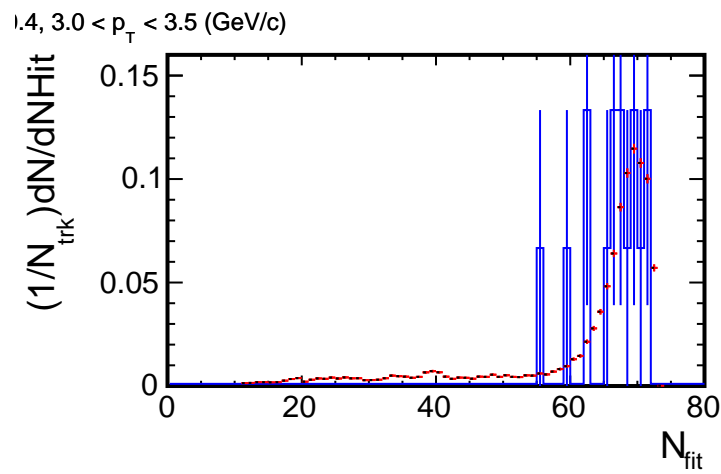
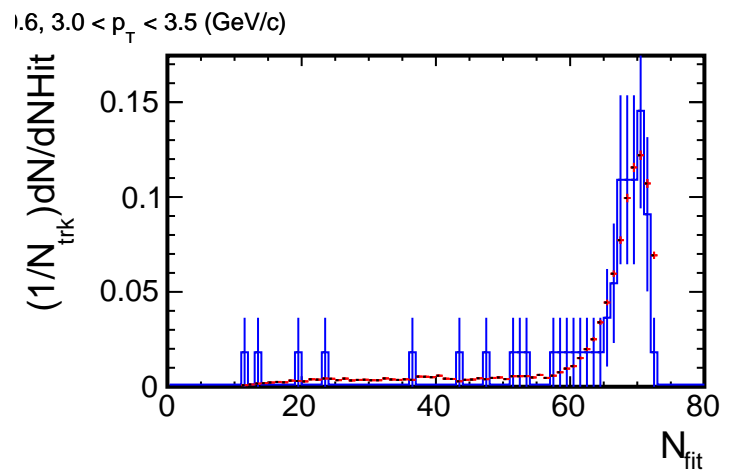
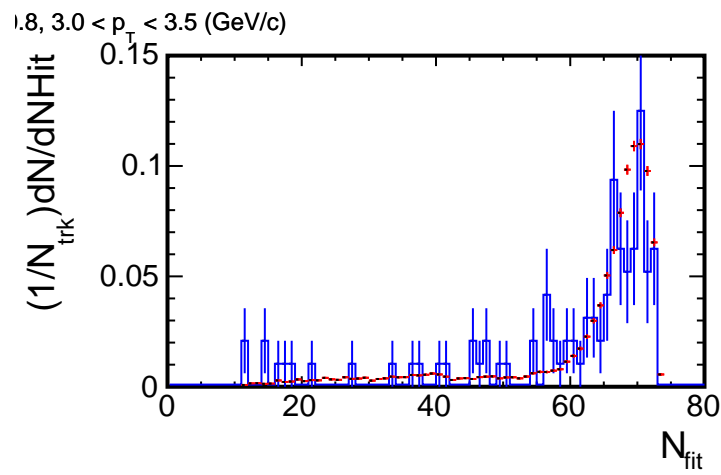
0, $2.5 < p_T < 3.0$ (GeV/c)



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

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

NHit distribution for (p_T , η) slices

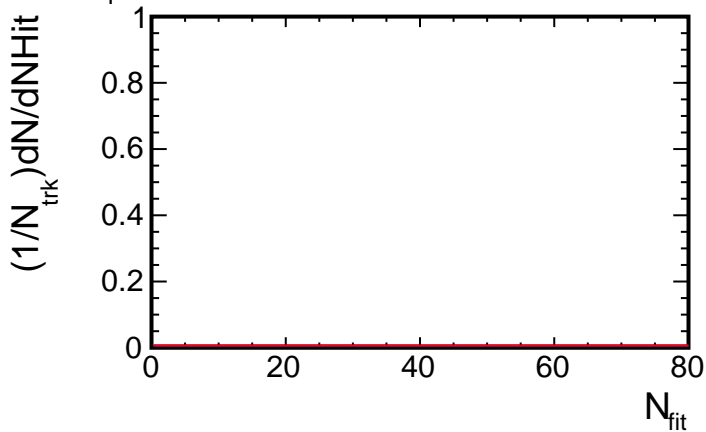


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

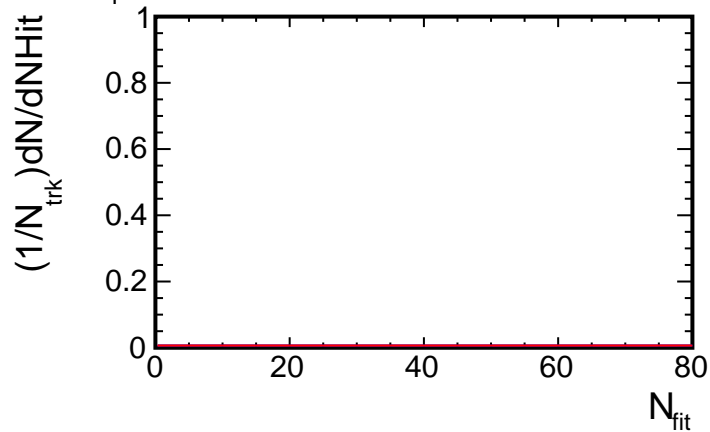
— π^+
(PRIMARY, $|\ln \sigma_{\pi^+}| < 2$ TPC)

NHit distribution for (p_T , η) slices

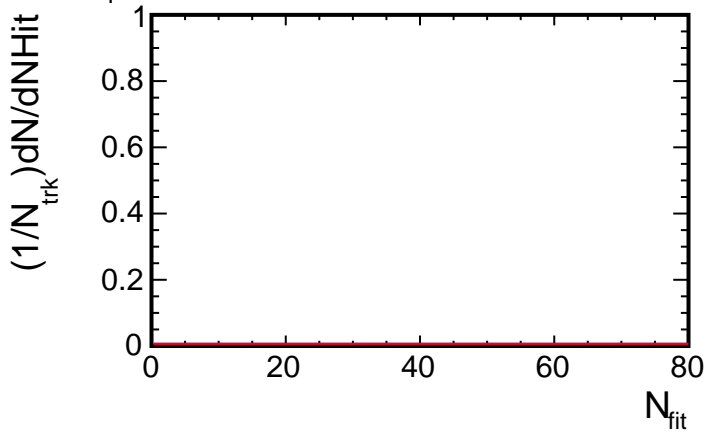
2, $3.0 < p_T < 3.5$ (GeV/c)



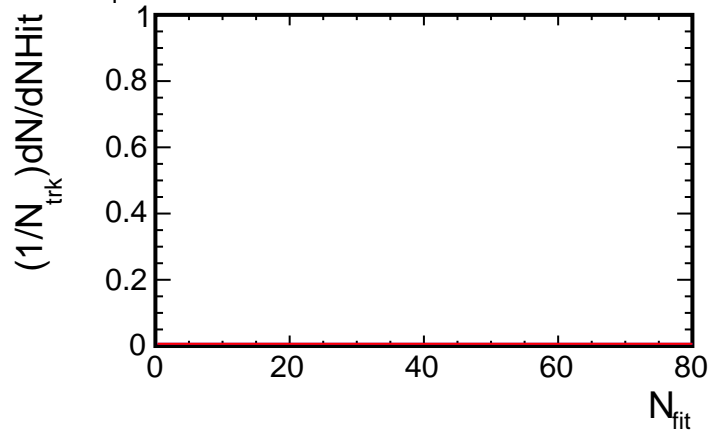
4, $3.0 < p_T < 3.5$ (GeV/c)



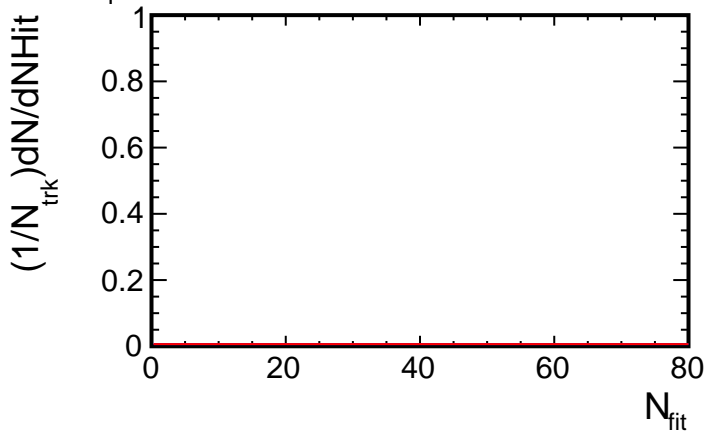
6, $3.0 < p_T < 3.5$ (GeV/c)



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



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

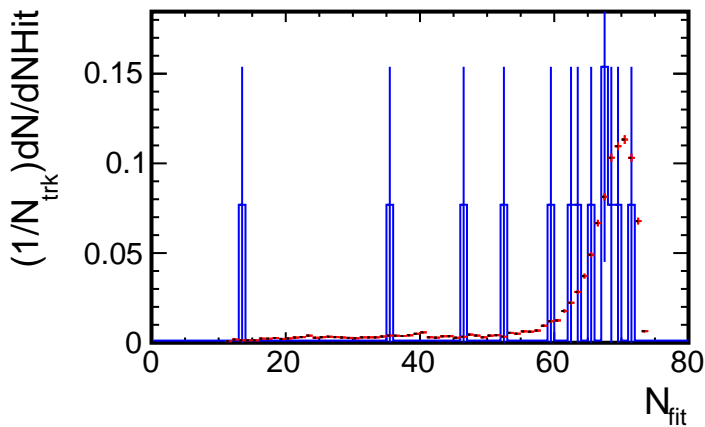


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

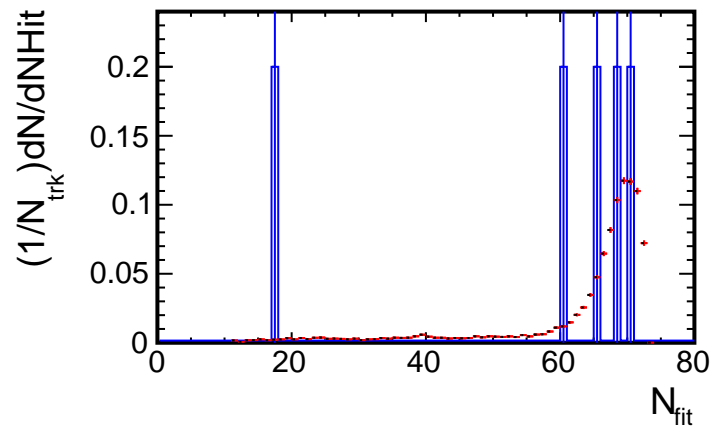
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

NHit distribution for (p_T , η) slices

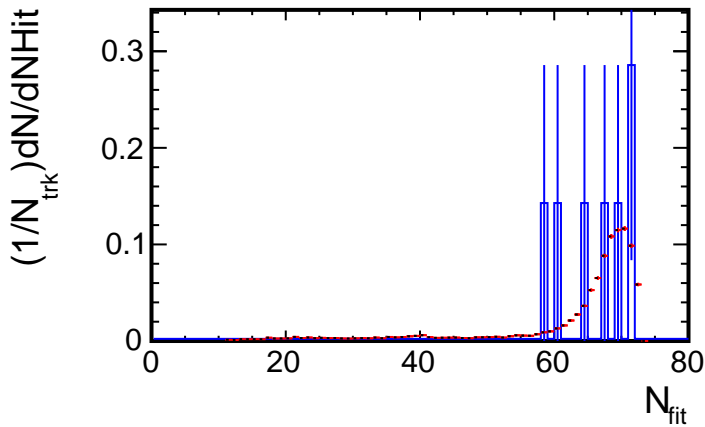
1.8, $3.5 < p_T < 4.0$ (GeV/c)



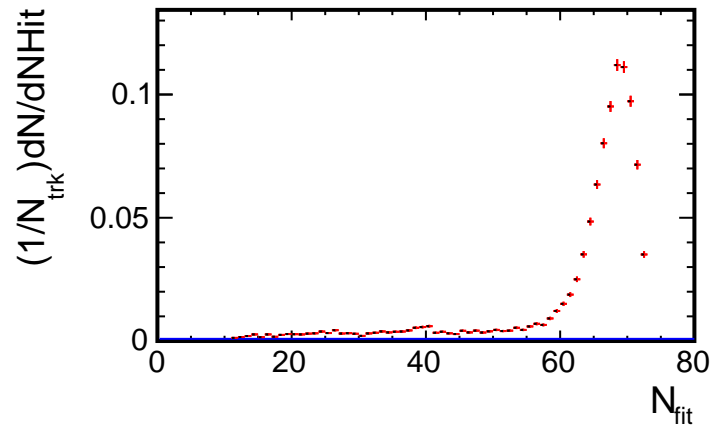
1.6, $3.5 < p_T < 4.0$ (GeV/c)



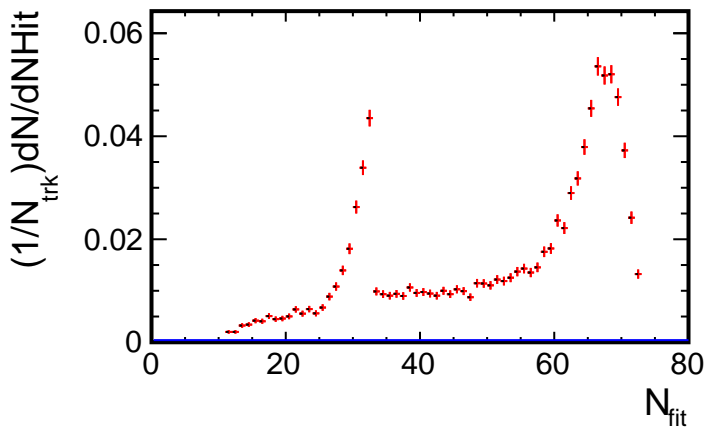
1.4, $3.5 < p_T < 4.0$ (GeV/c)



1.2, $3.5 < p_T < 4.0$ (GeV/c)



1.0, $3.5 < p_T < 4.0$ (GeV/c)

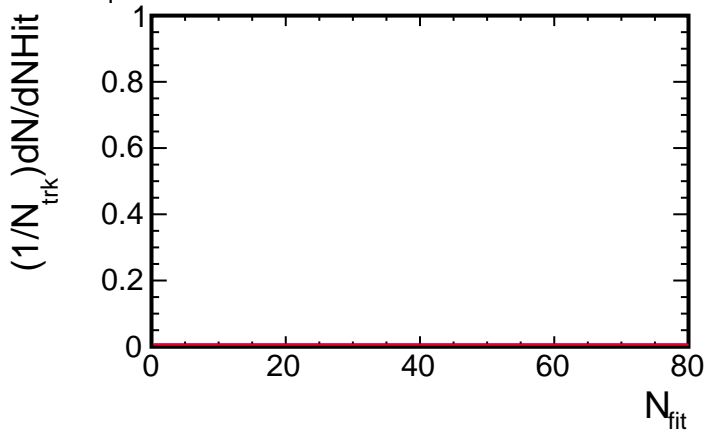


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

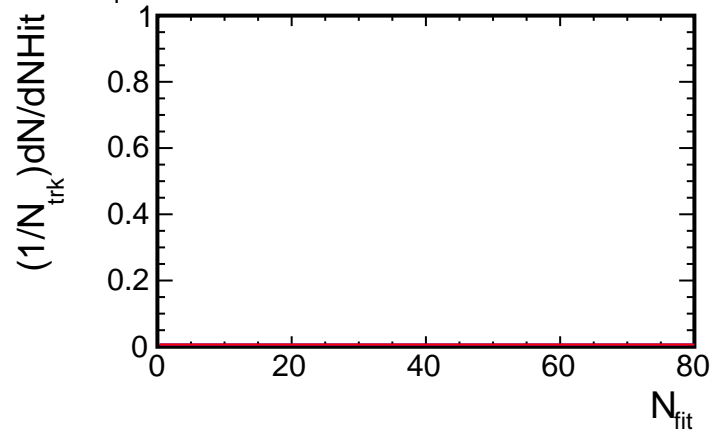
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

NHit distribution for (p_T , η) slices

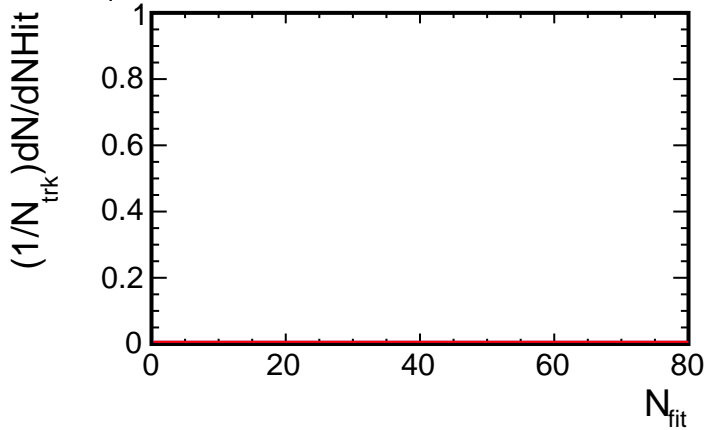
2, $3.5 < p_T < 4.0$ (GeV/c)



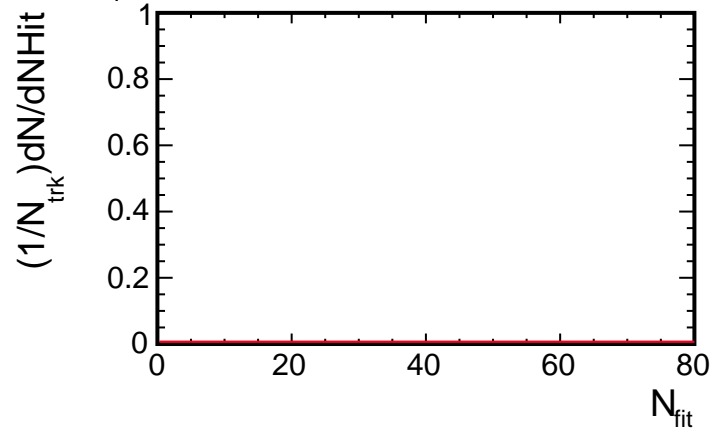
4, $3.5 < p_T < 4.0$ (GeV/c)



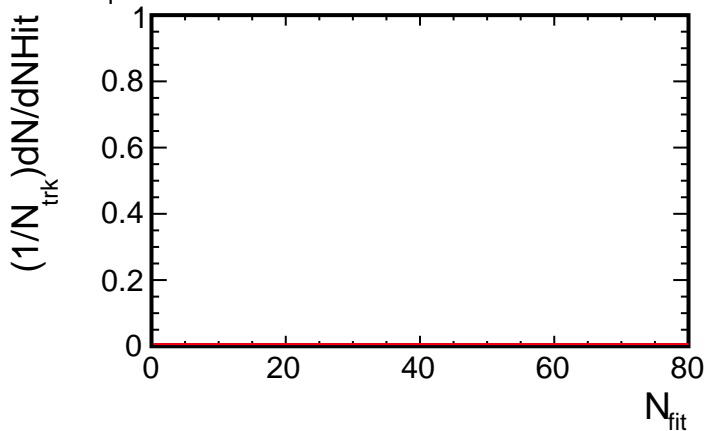
6, $3.5 < p_T < 4.0$ (GeV/c)



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



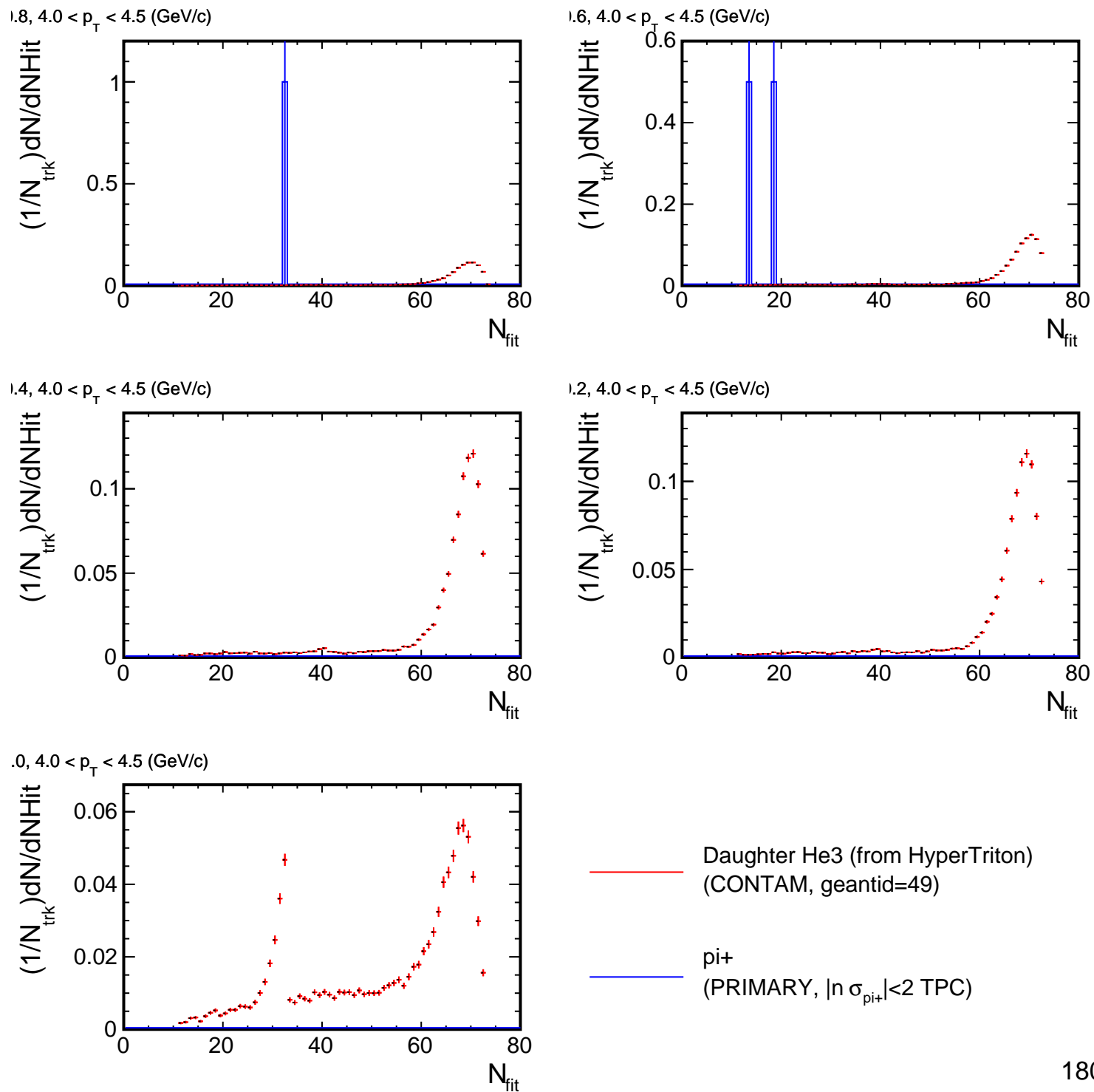
0, $3.5 < p_T < 4.0$ (GeV/c)



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

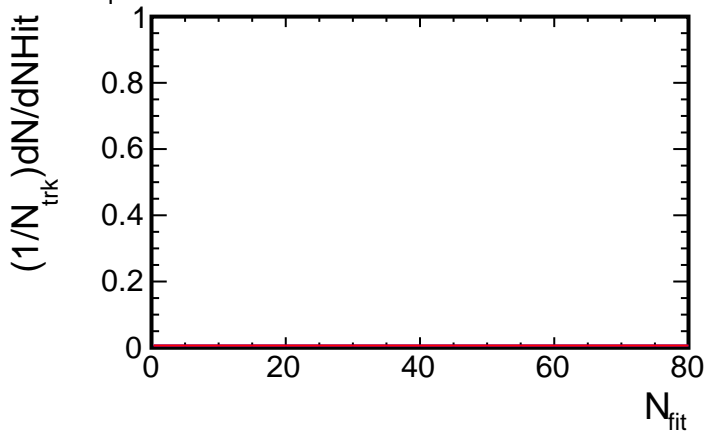
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

NHit distribution for (p_T , η) slices

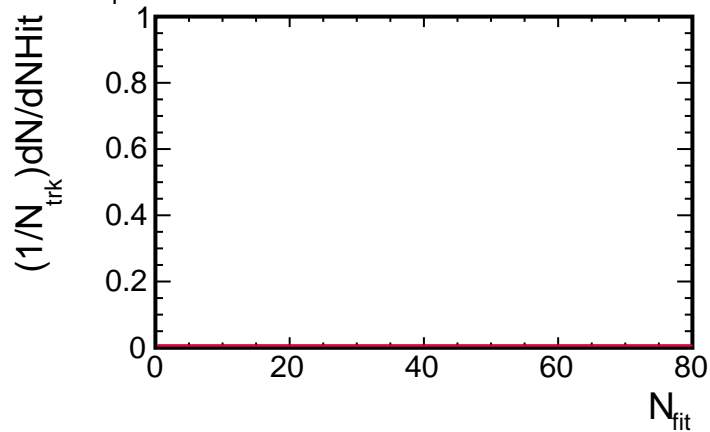


NHit distribution for (p_T , η) slices

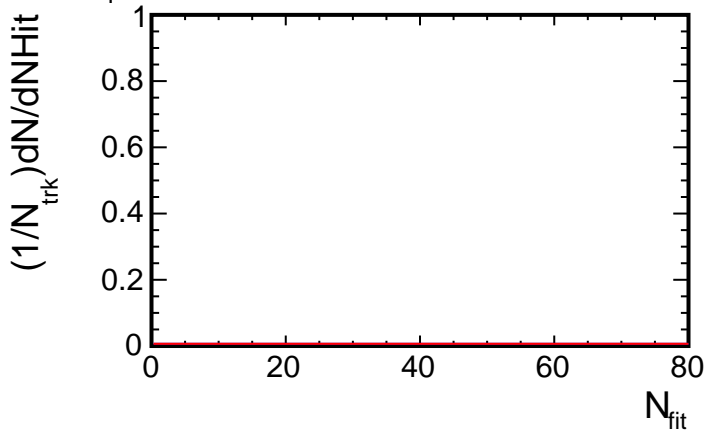
2, $4.0 < p_T < 4.5$ (GeV/c)



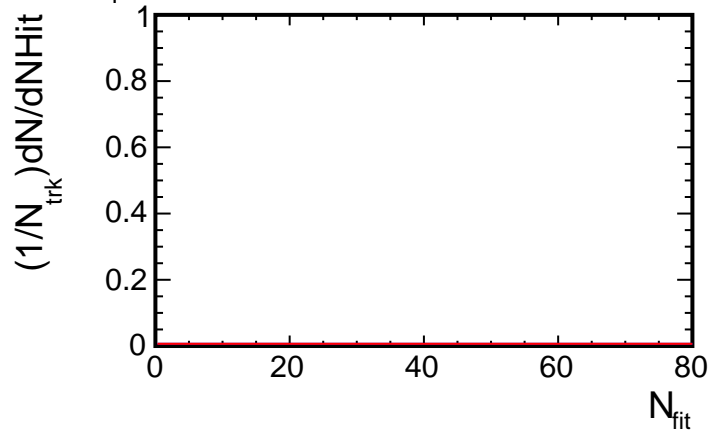
4, $4.0 < p_T < 4.5$ (GeV/c)



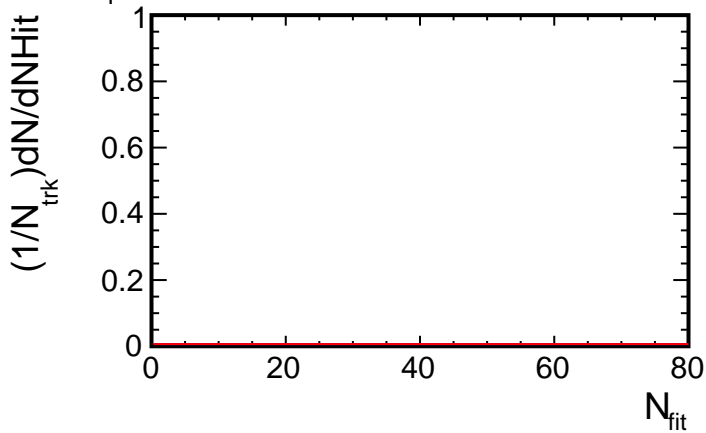
6, $4.0 < p_T < 4.5$ (GeV/c)



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



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

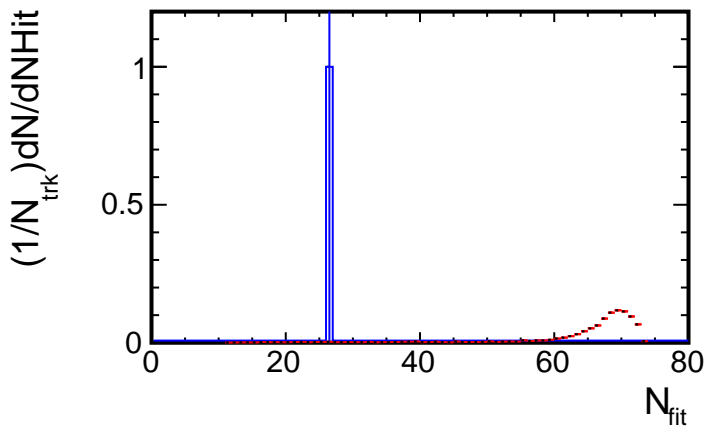


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

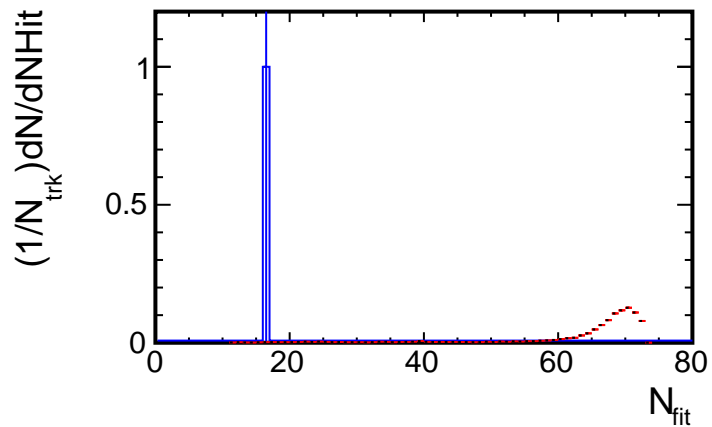
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

NHit distribution for (p_T , η) slices

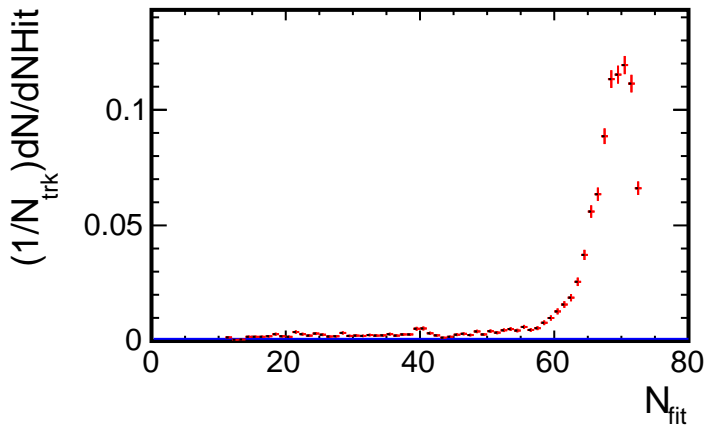
1.8, $4.5 < p_T < 5.0$ (GeV/c)



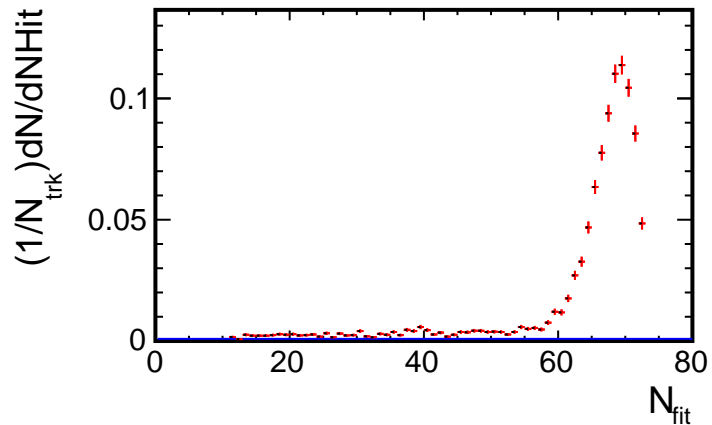
1.6, $4.5 < p_T < 5.0$ (GeV/c)



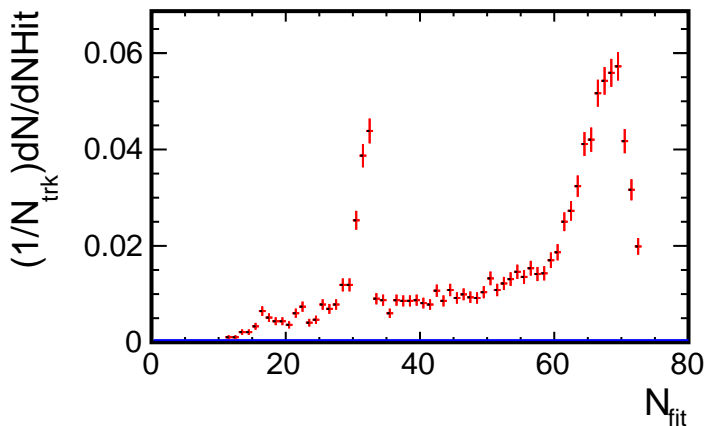
1.4, $4.5 < p_T < 5.0$ (GeV/c)



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



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

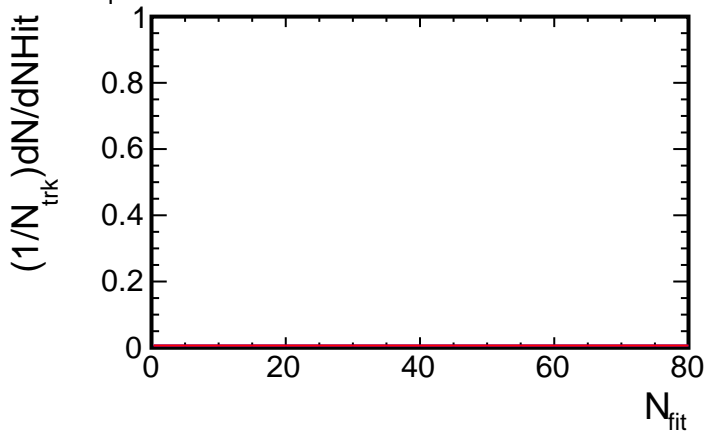


— Daughter He3 (from HyperTriton)
(CONTAM, geantid=49)

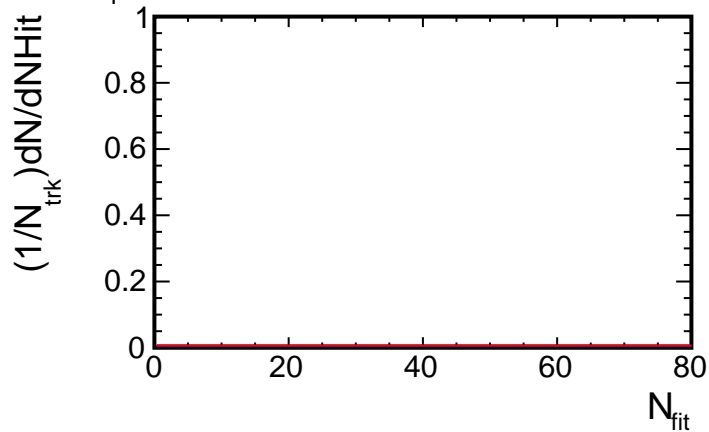
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

NHit distribution for (p_T , η) slices

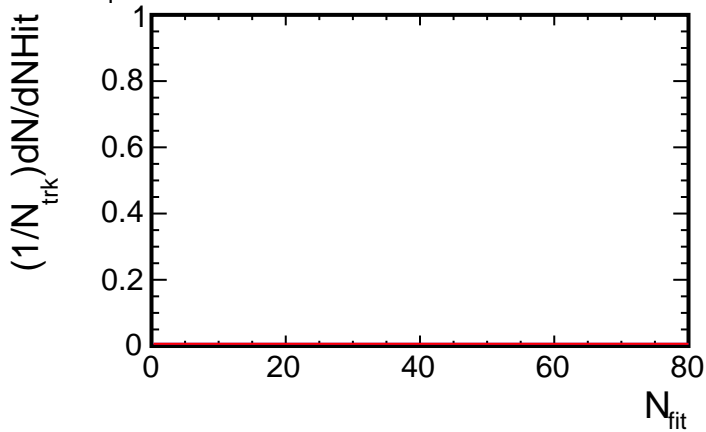
2, $4.5 < p_T < 5.0$ (GeV/c)



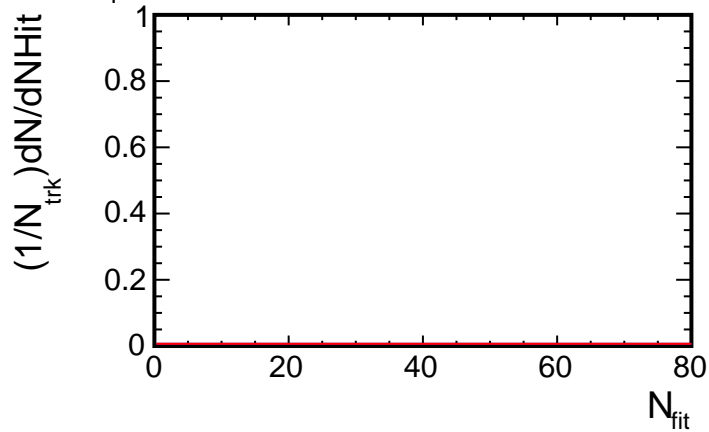
4, $4.5 < p_T < 5.0$ (GeV/c)



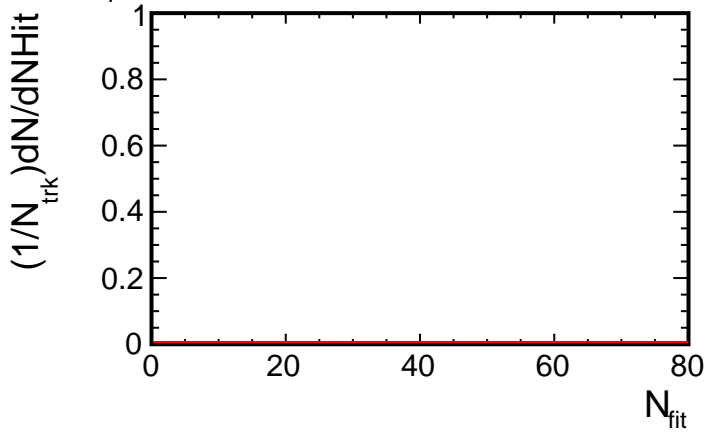
6, $4.5 < p_T < 5.0$ (GeV/c)



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

End of QA