

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

$|\eta| < 10.00$

$|y| < 2.20$

nHitsFit > 10

nHitsFit/nHitsPoss > 0.51

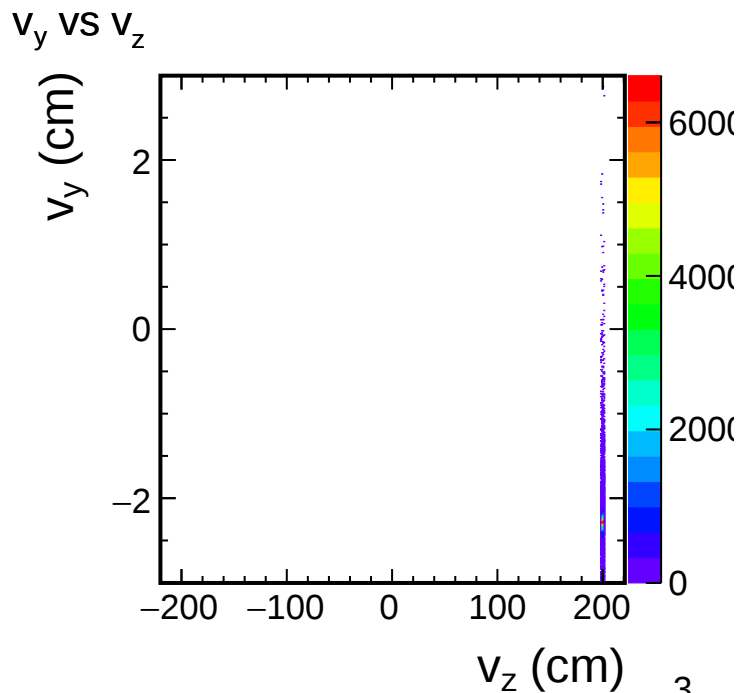
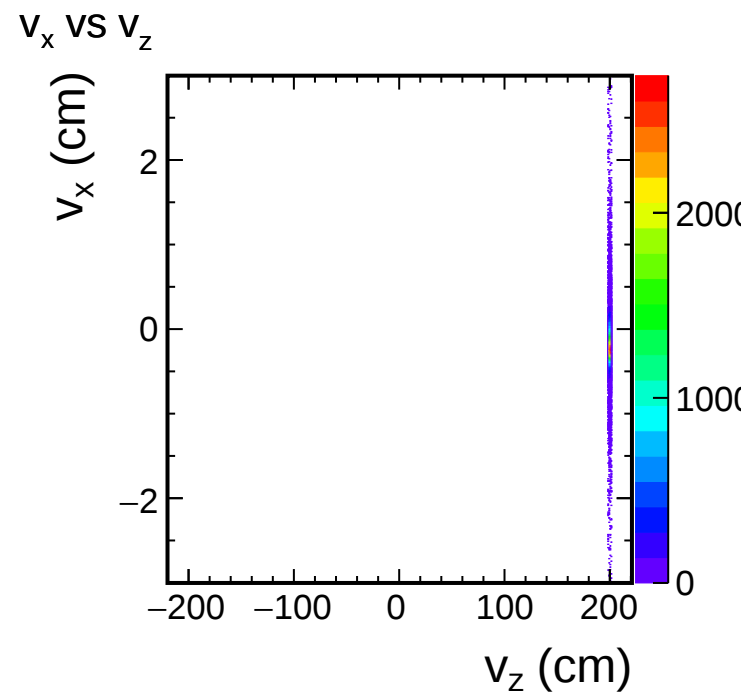
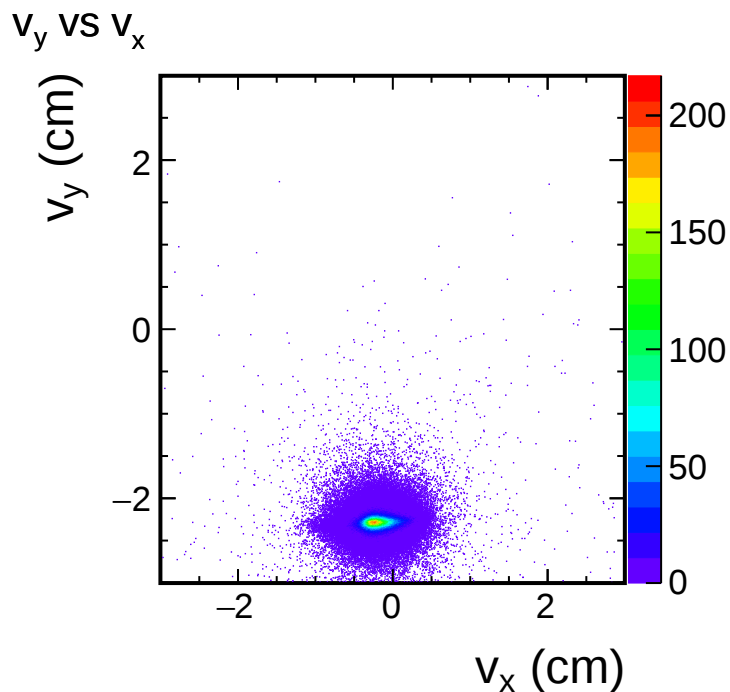
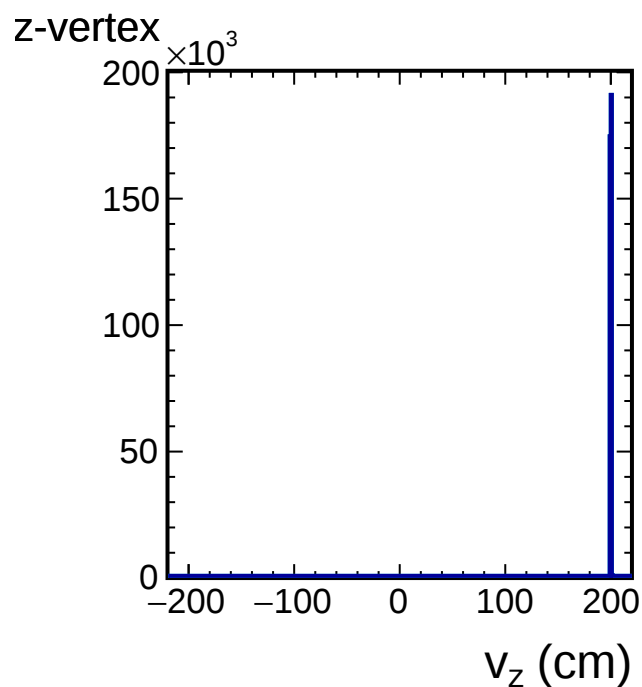
global Dca < 3.0 cm

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

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

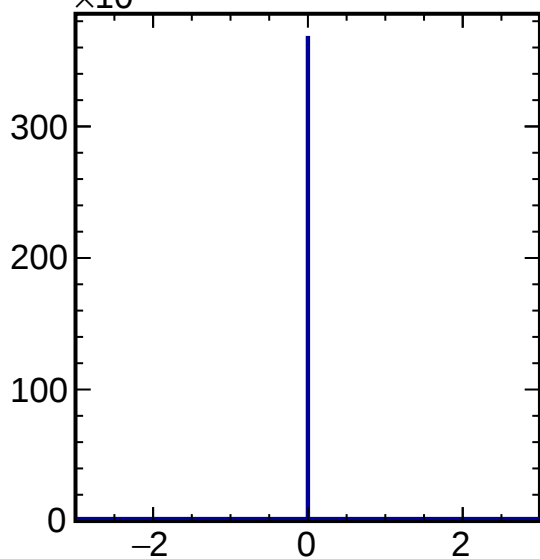
NOTE2: Cut on its own variable is currently disabled, e.x. no dca cut for dca histogram

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



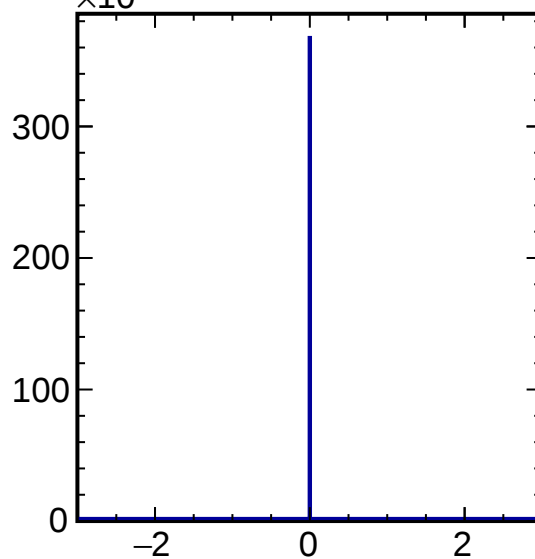
Event vertices, $\Delta v = v(\text{Data}) - v(\text{MC})$

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



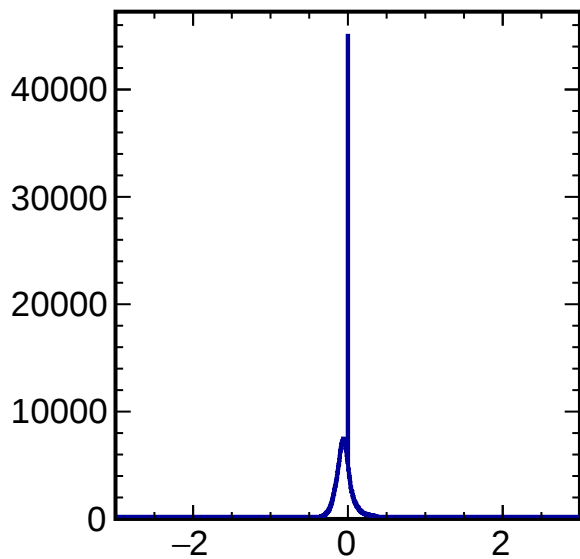
$$\Delta v_x = v_x - v_x(\text{MC}) \text{ (cm)}$$

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



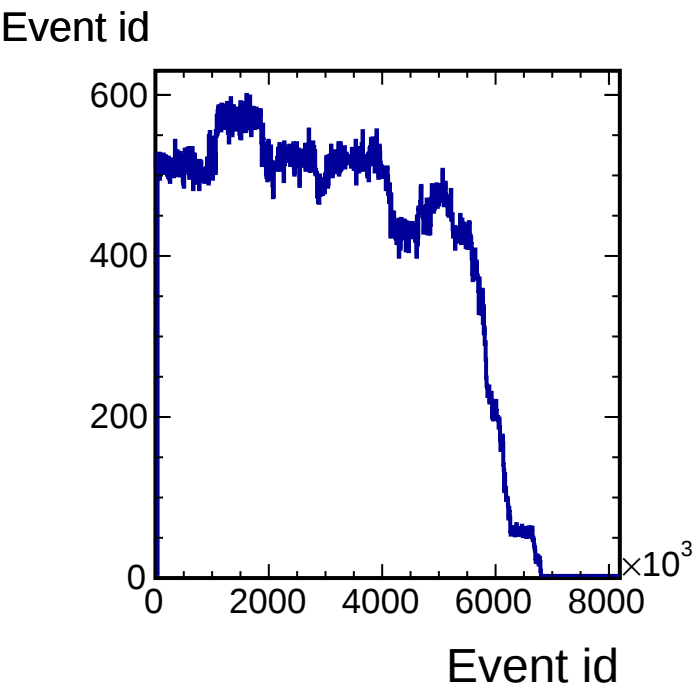
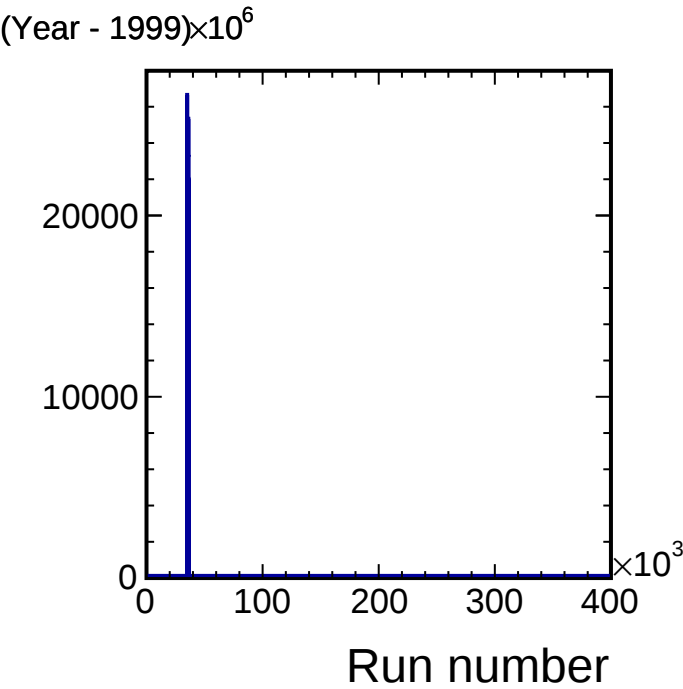
$$\Delta v_y = v_y - v_y(\text{MC}) \text{ (cm)}$$

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



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

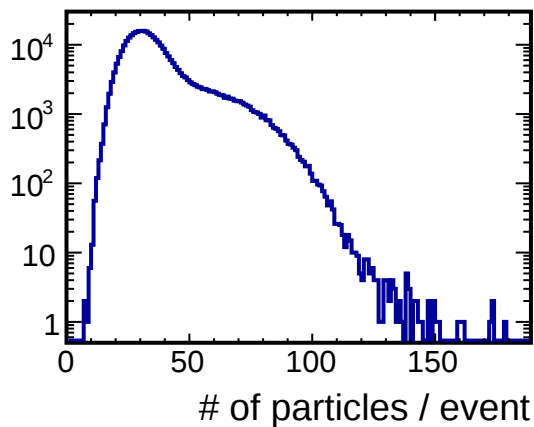
Run and event id



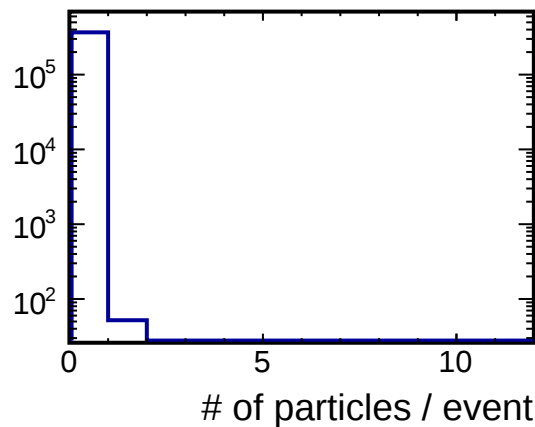
Run id	statistics	Run id	statistics	Run id	statistics	Run id	statistics
21035003	26652 events	21035012	10140 events	21035027	12964 events	21036002	2789 events
21035004	17594 events	21035013	16766 events	21035028	8239 events	21036003	2746 events
21035005	22319 events	21035016	15206 events	21035031	21266 events	21036006	25335 events
21035006	6866 events	21035017	8347 events	21035032	15999 events	21036007	23233 events
21035007	4158 events	21035025	15010 events	21035033	16938 events	21036008	14106 events
21035009	8959 events	21035026	18244 events	21035036	15308 events	21036009	21986 events
						21036013	16136 events

Multiplicity distribution

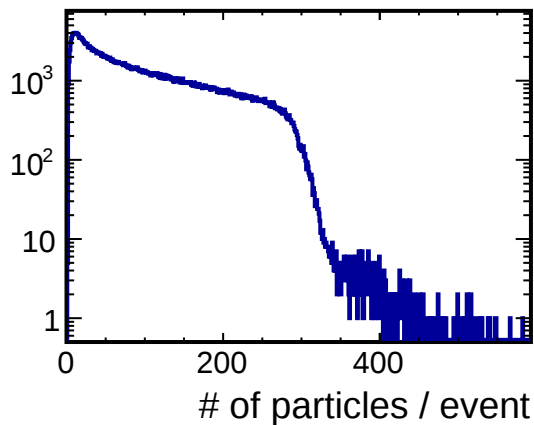
MC tracks



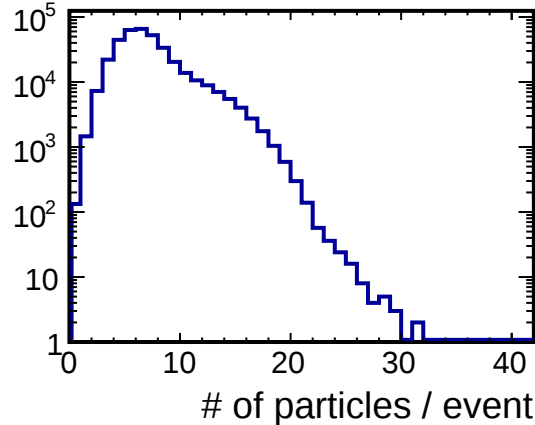
Matched pairs



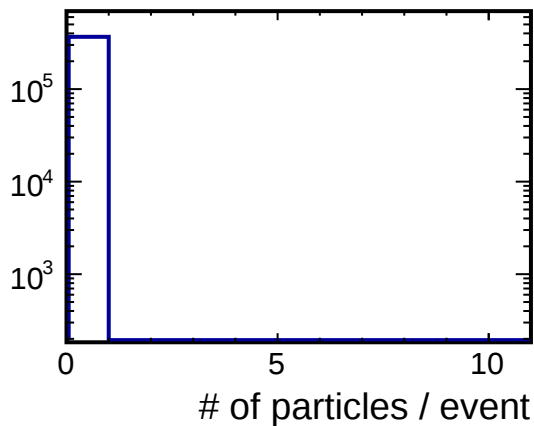
Ghost pairs



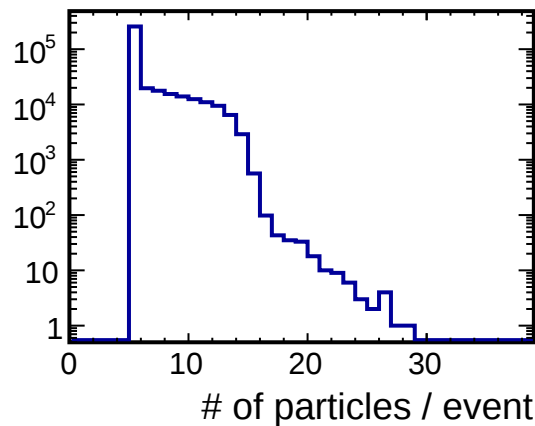
Contaminated pairs



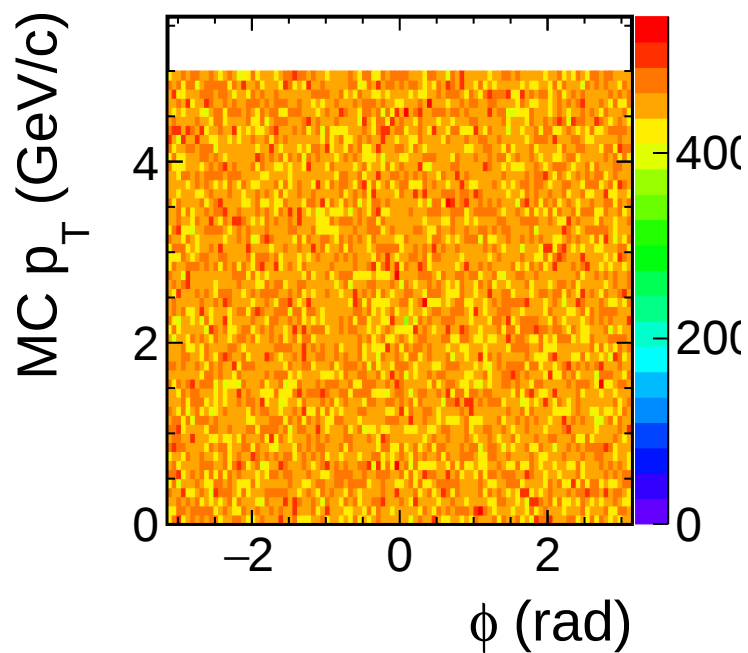
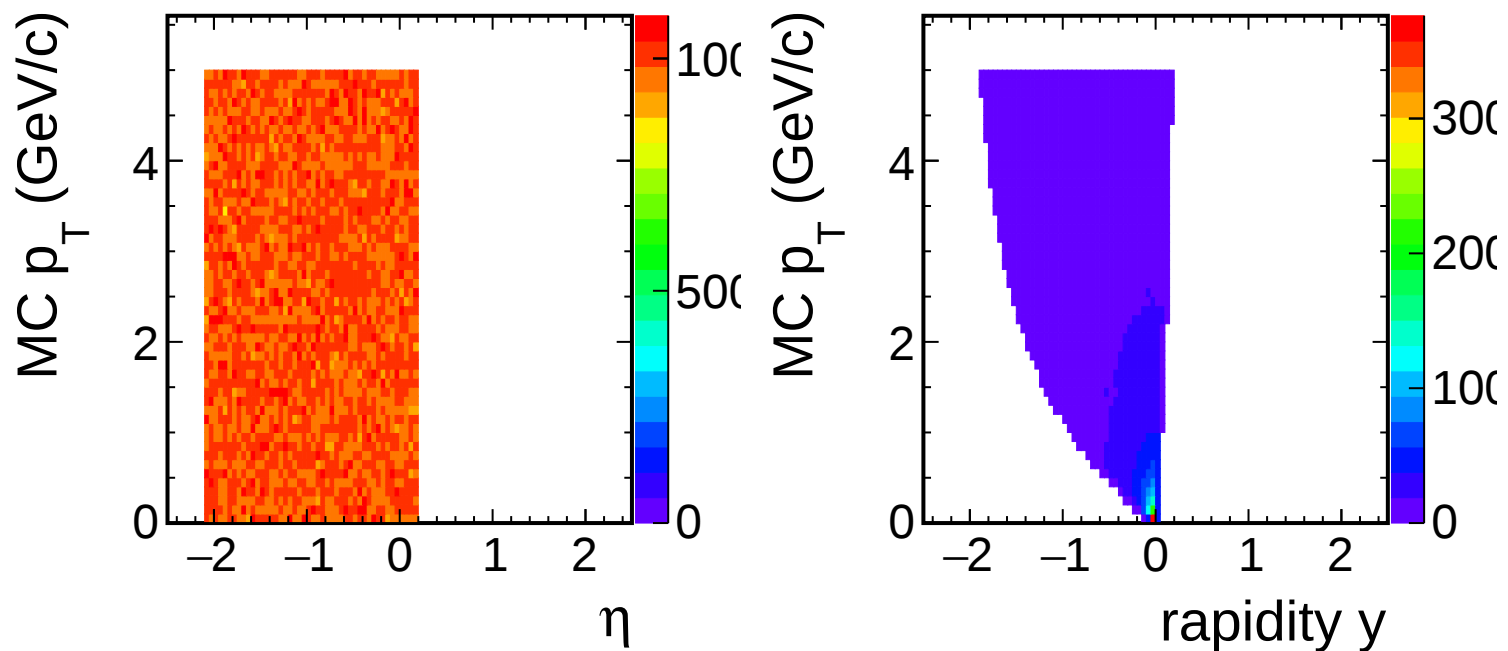
Matched global pairs



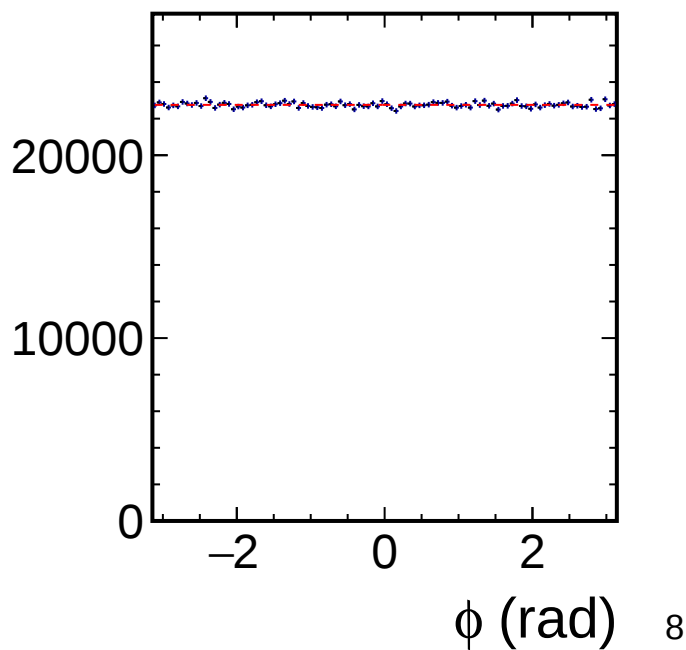
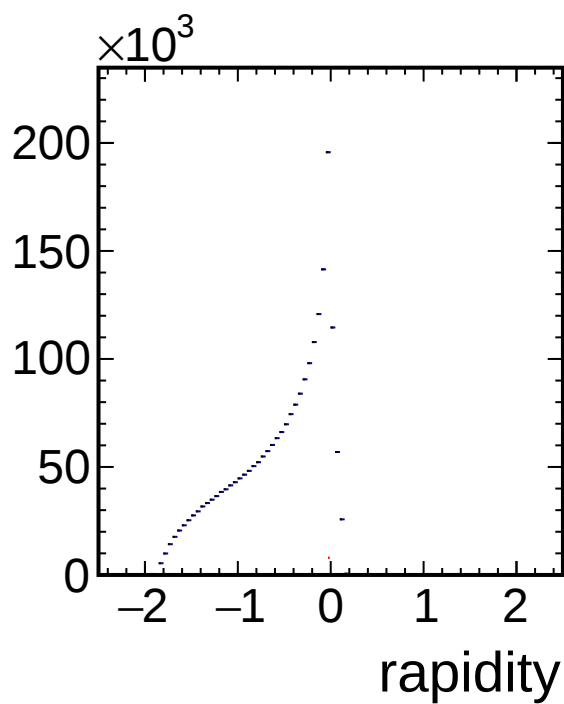
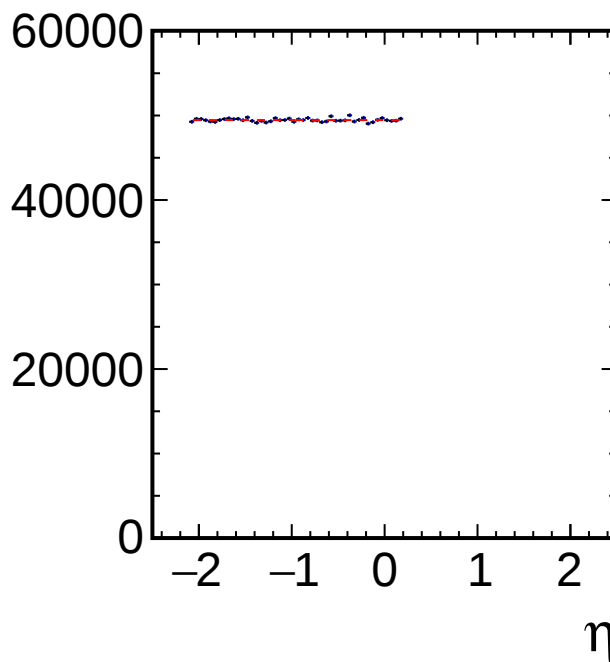
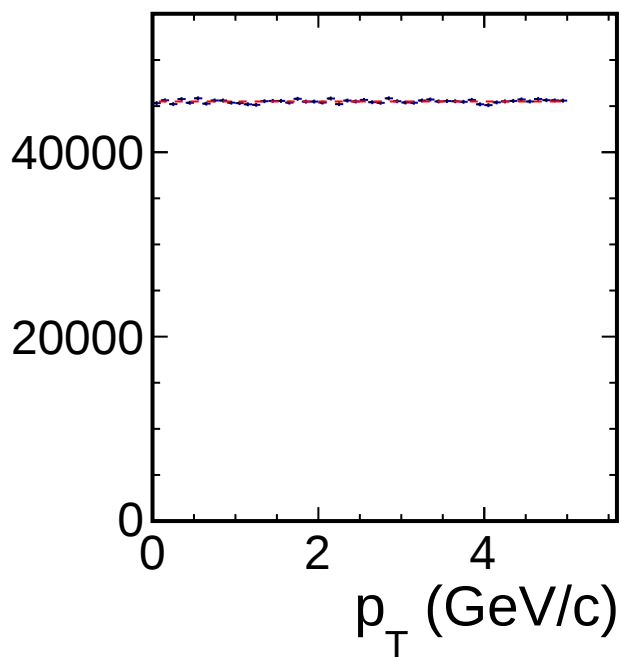
Binary MC tracks



MC track QA (2D)

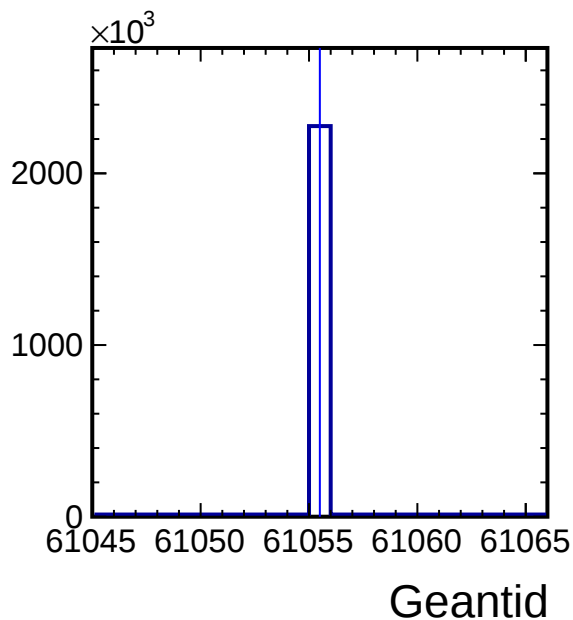


MC track QA (1D)

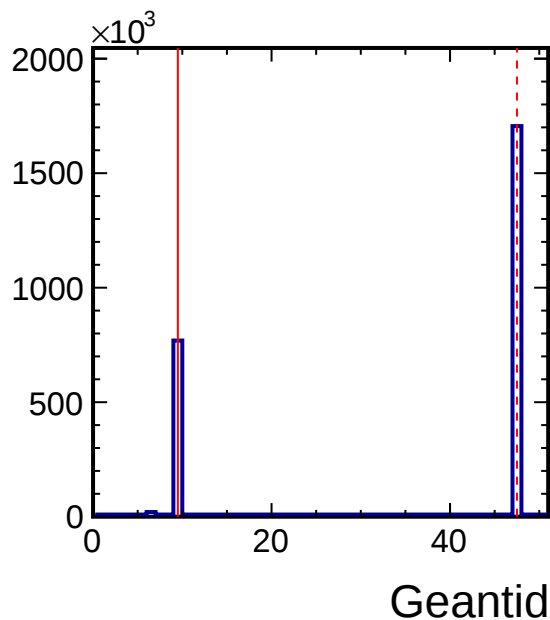


Geant id

nt id for H4Lambda



tructed geant id

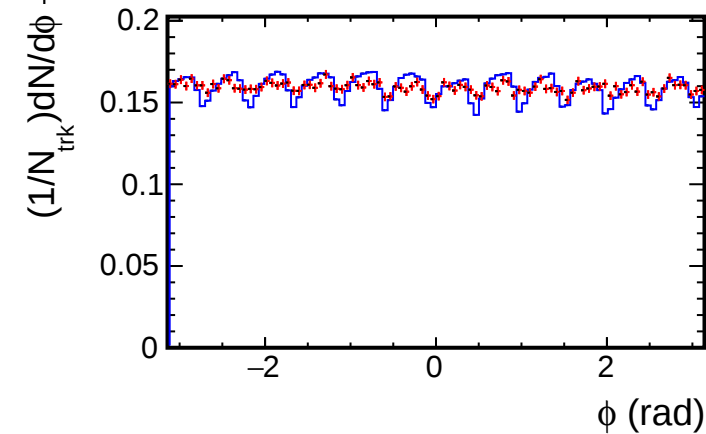


Particle informations

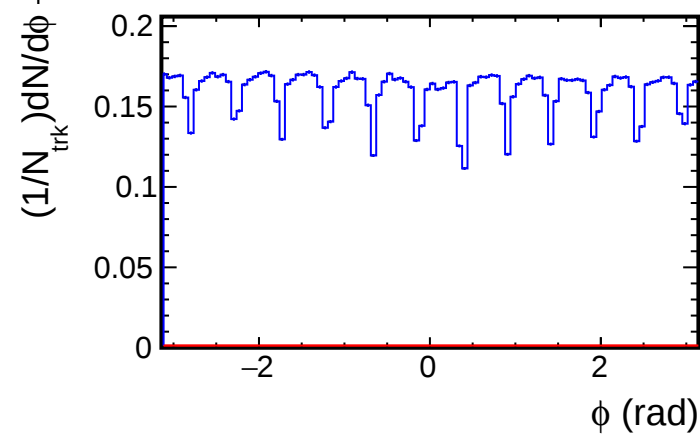
- Parent H4Lambda (MC, geantid=61055)
- Daughter pi⁻ (from H4Lambda) (CONTAM, geantid=9)
- - - Daughter alpha (from H4Lambda) (CONTAM, geantid=47)

Projection of ϕ for each p_T bin

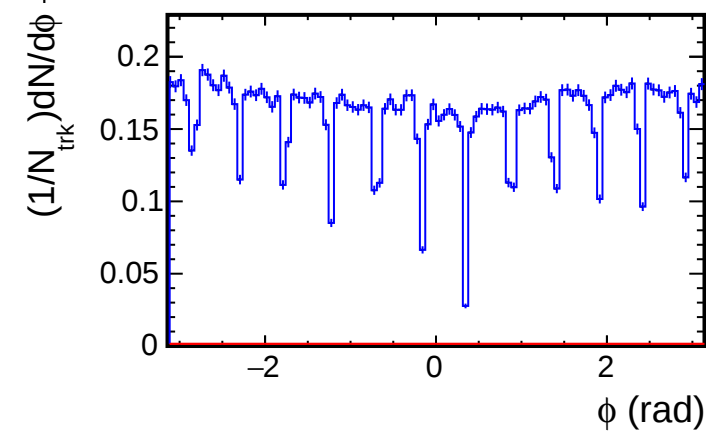
$p_T < 0.5$ (GeV/c)



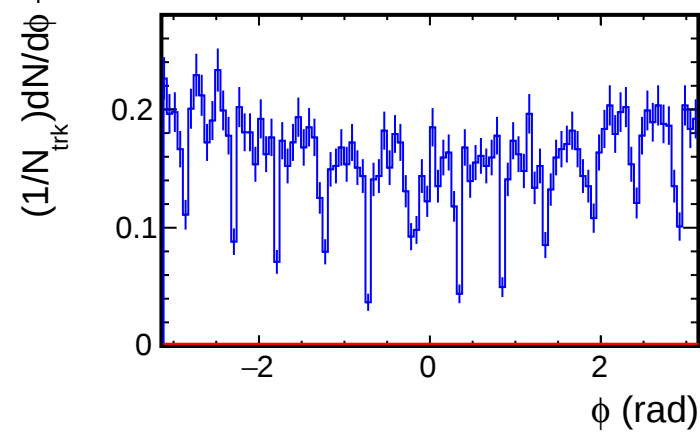
$p_T < 1.0$ (GeV/c)



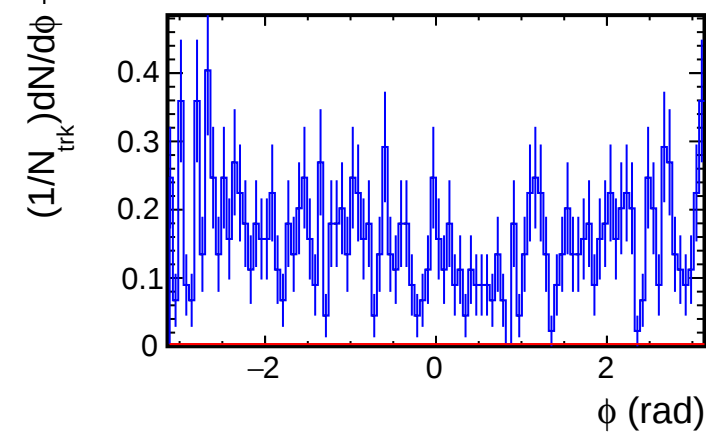
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)

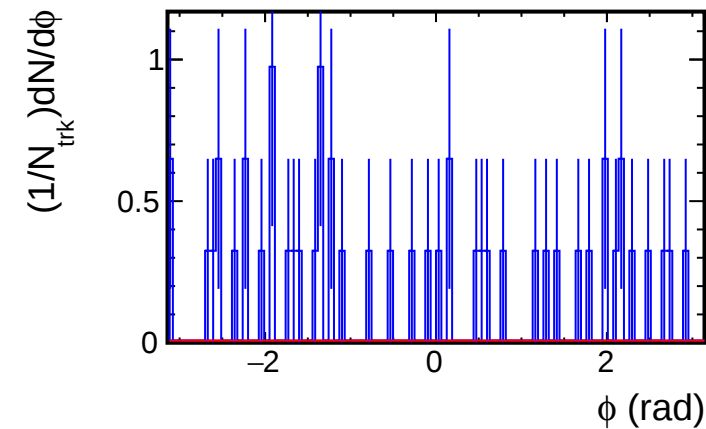
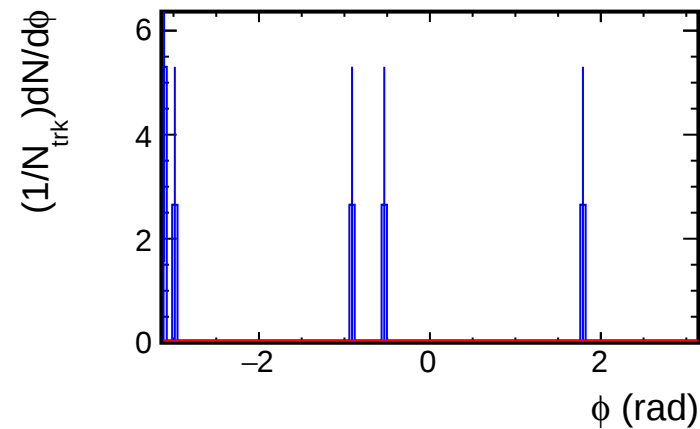
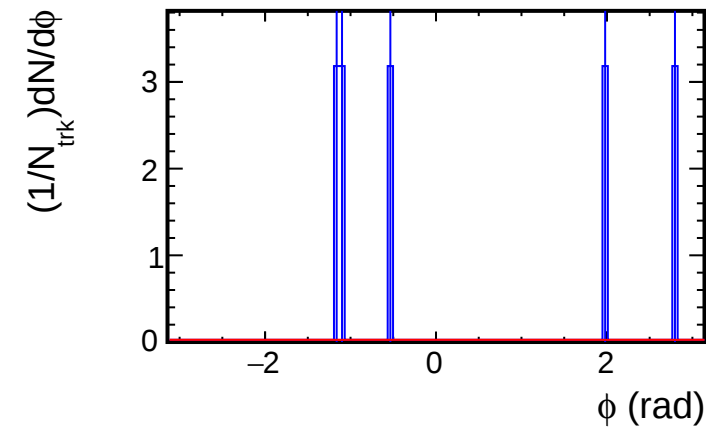
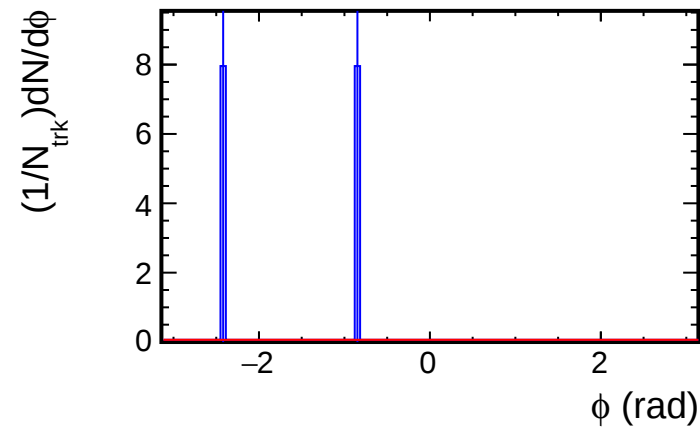
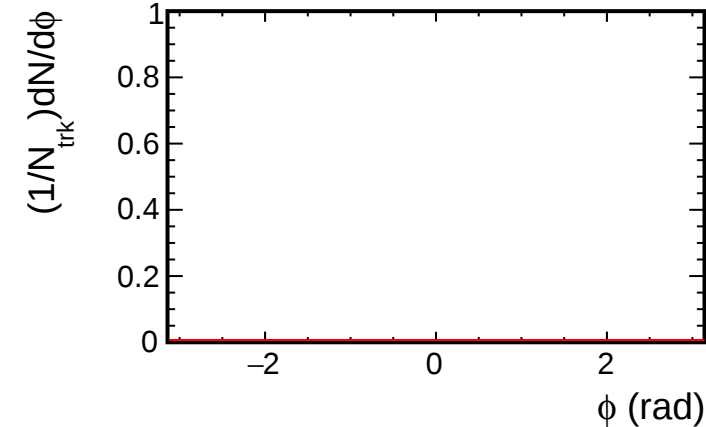


$p_T < 2.5$ (GeV/c)



— Daughter π^- (from H4Lambda)
(CONTAM, geantid=9)

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

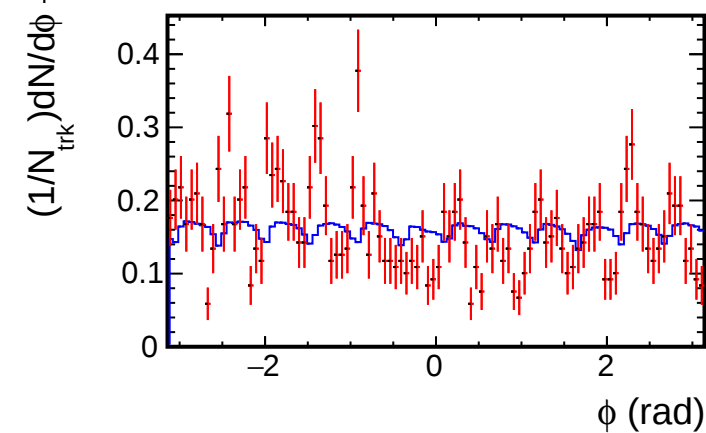
Projection of ϕ for each p_T bin $p_T < 3.0$ (GeV/c) $p_T < 3.5$ (GeV/c) $p_T < 4.0$ (GeV/c) $p_T < 4.5$ (GeV/c) $p_T < 5.0$ (GeV/c)

— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

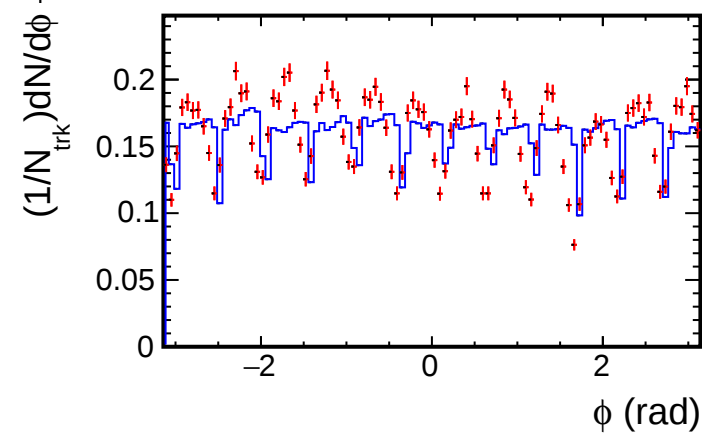
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi-}}| < 2$ TPC)

Projection of ϕ for each p_T bin

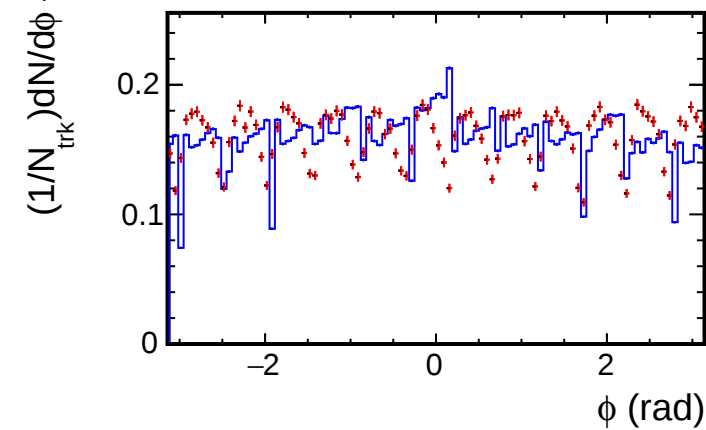
$p_T < 0.5$ (GeV/c)



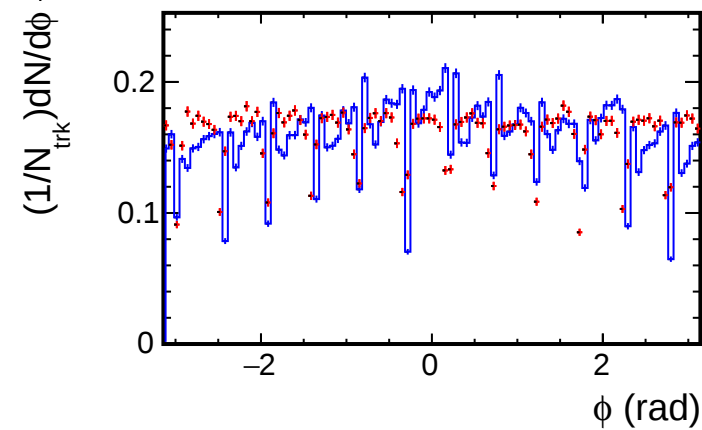
$p_T < 1.0$ (GeV/c)



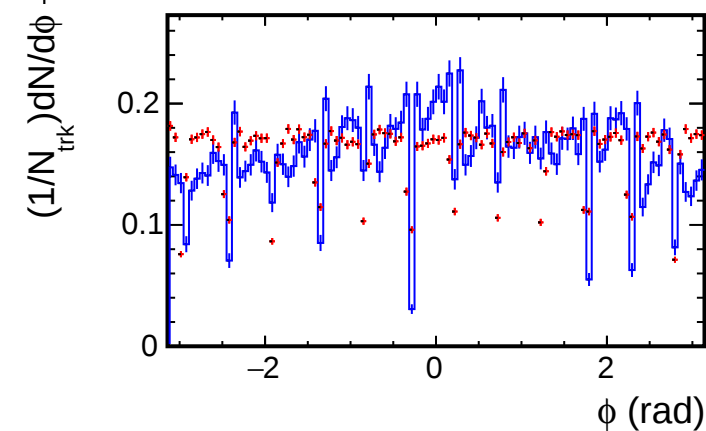
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)

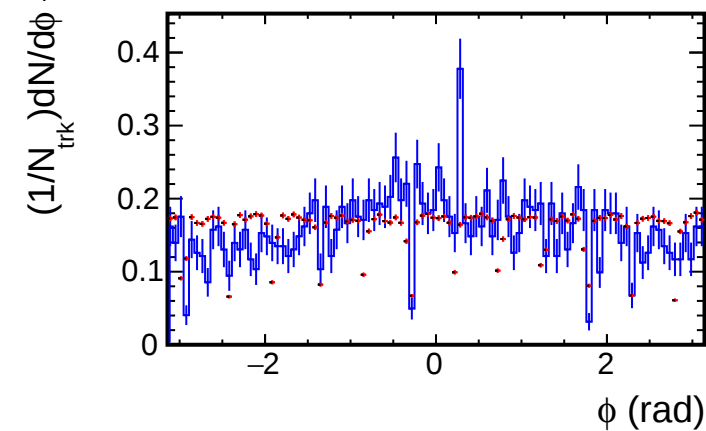
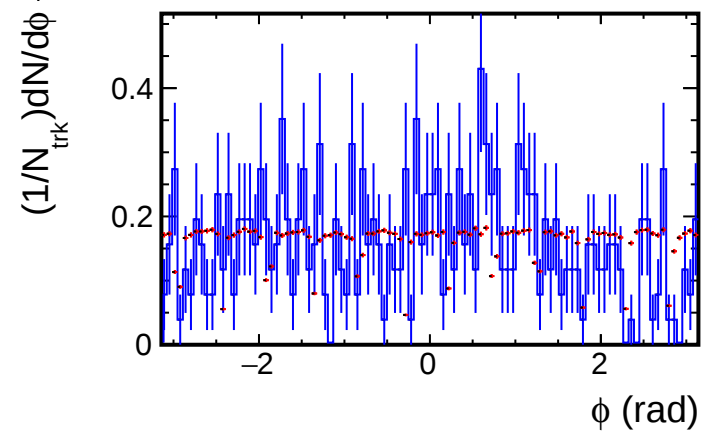
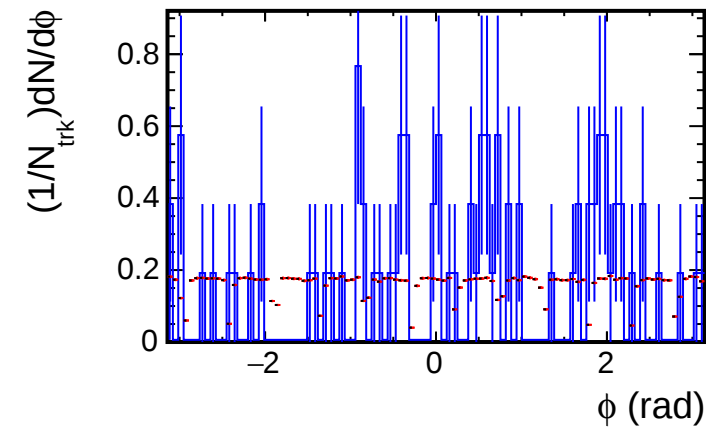
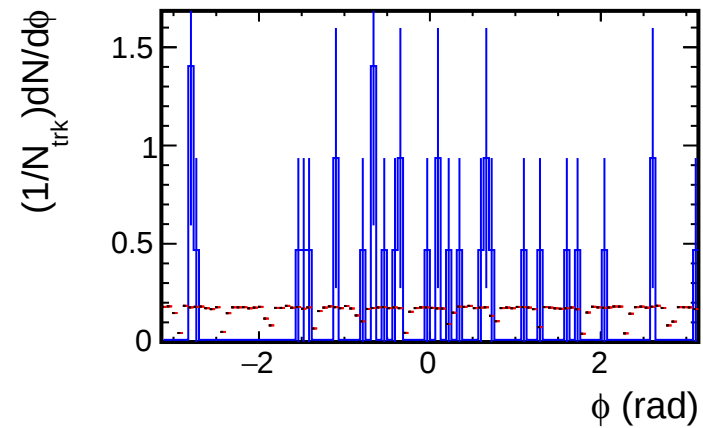
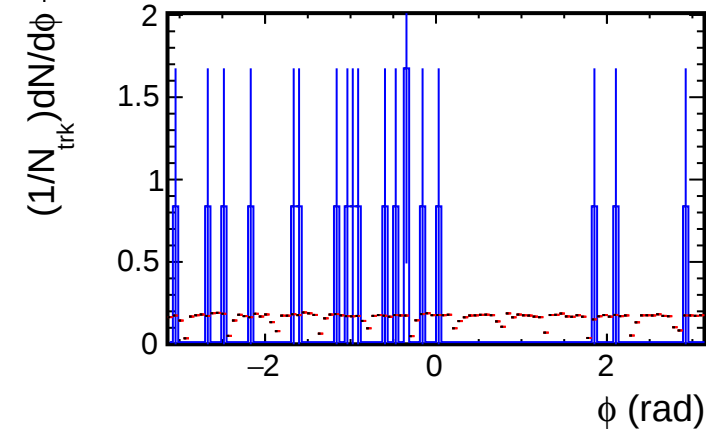


$p_T < 2.5$ (GeV/c)



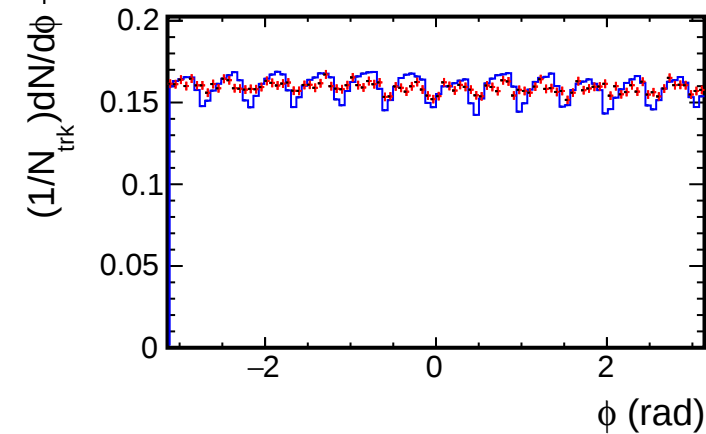
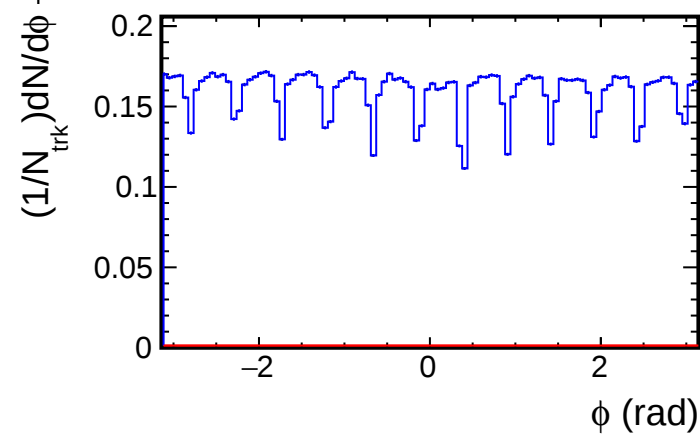
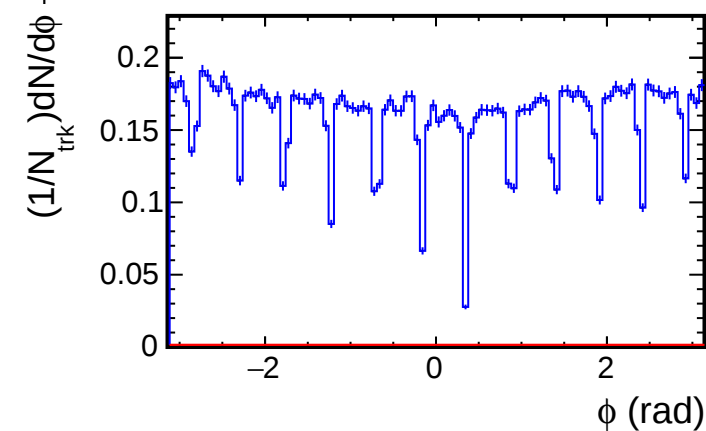
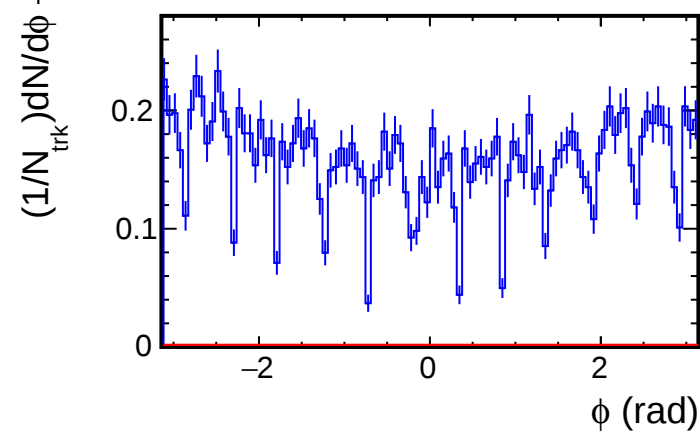
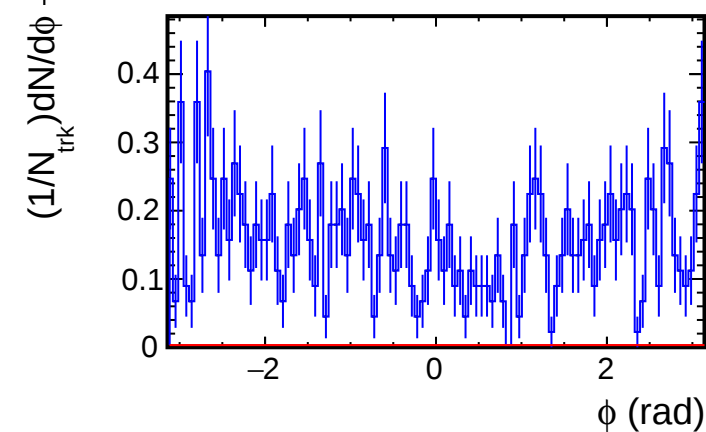
— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

— 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)

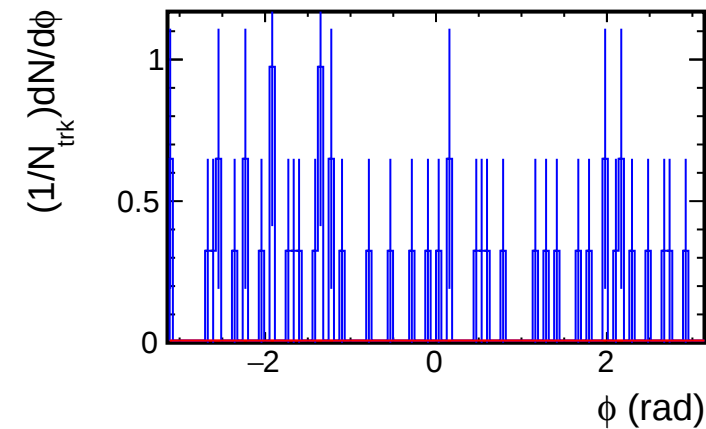
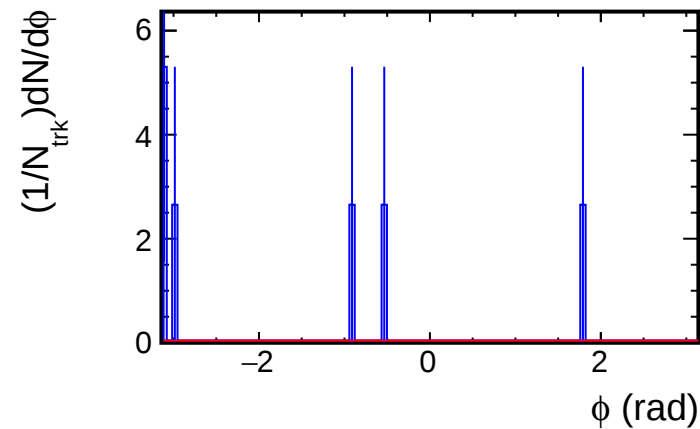
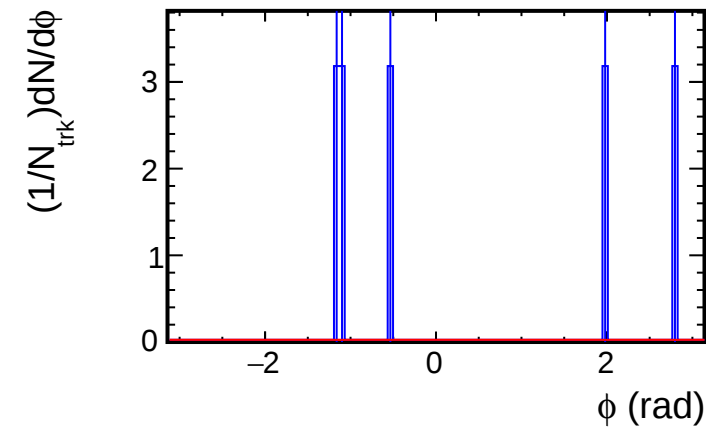
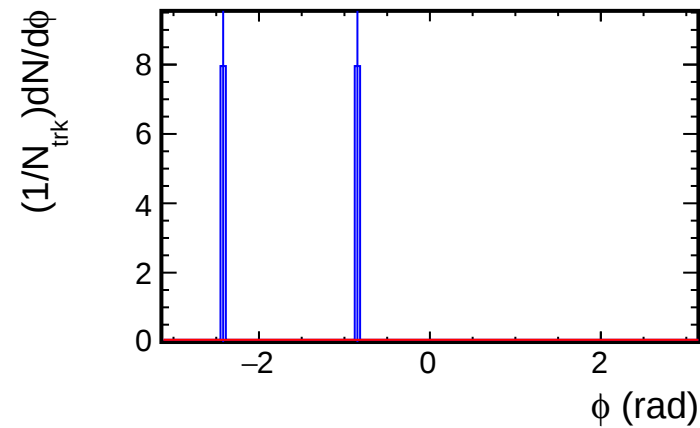
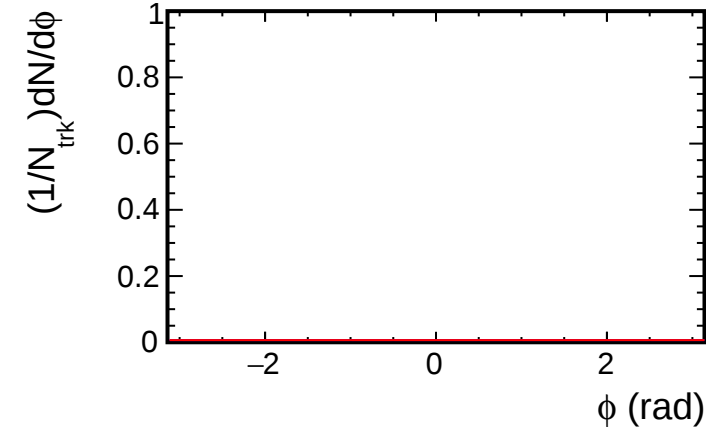
— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

— pi+
(PRIMARY, $|n\sigma_{\text{pi}+}| < 2$ 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 H4Lambda)
(CONTAM, geantid=9)

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

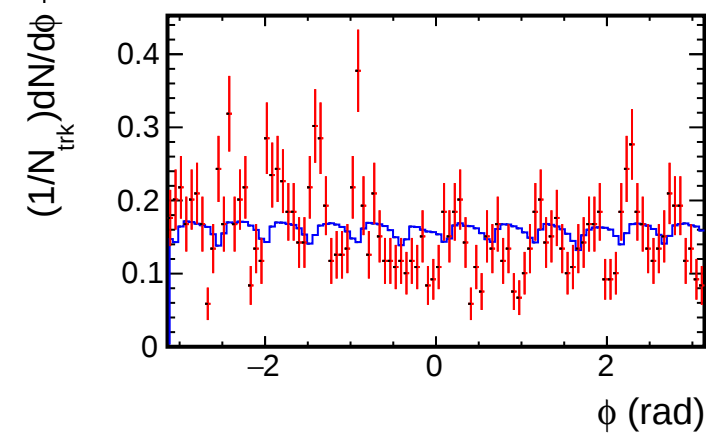
Projection of ϕ for each p_T bin $p_T < 3.0$ (GeV/c) $p_T < 3.5$ (GeV/c) $p_T < 4.0$ (GeV/c) $p_T < 4.5$ (GeV/c) $p_T < 5.0$ (GeV/c)

— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

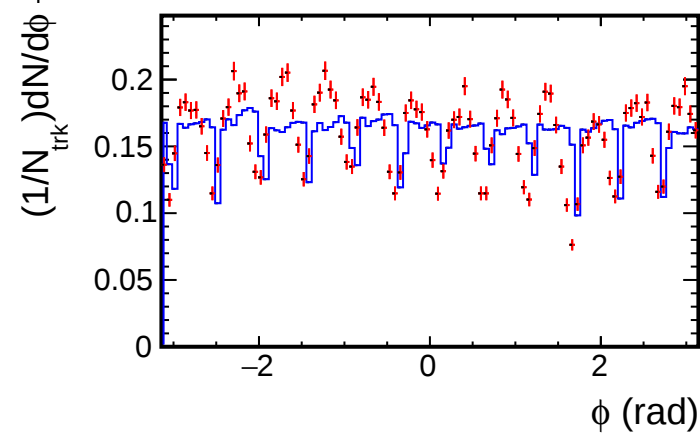
— pi-
(PRIMARY, $|\ln \sigma_{\text{pi-}}| < 2$ TPC)

Projection of ϕ for each p_T bin

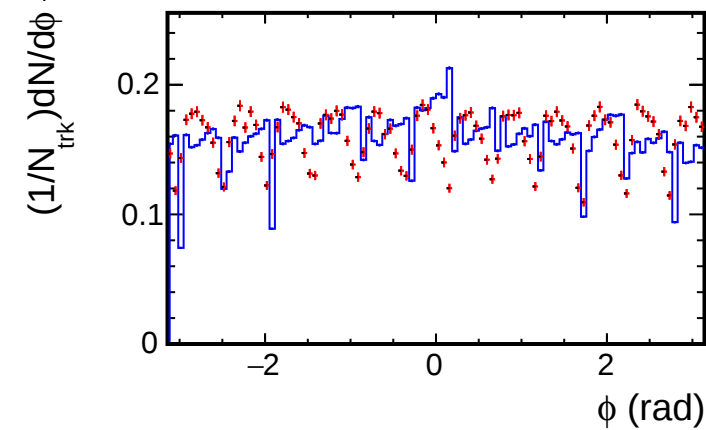
$p_T < 0.5$ (GeV/c)



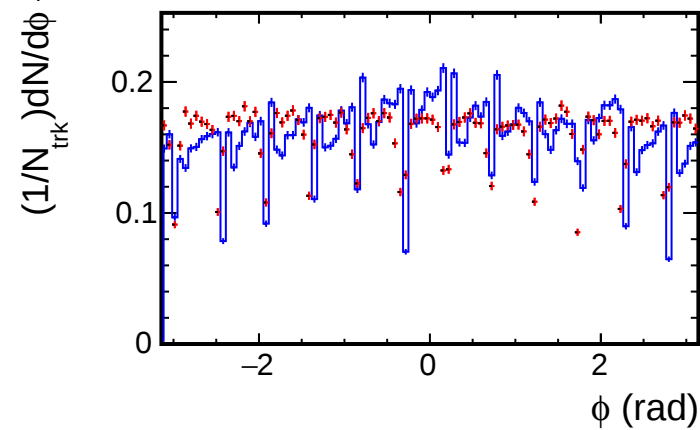
$p_T < 1.0$ (GeV/c)



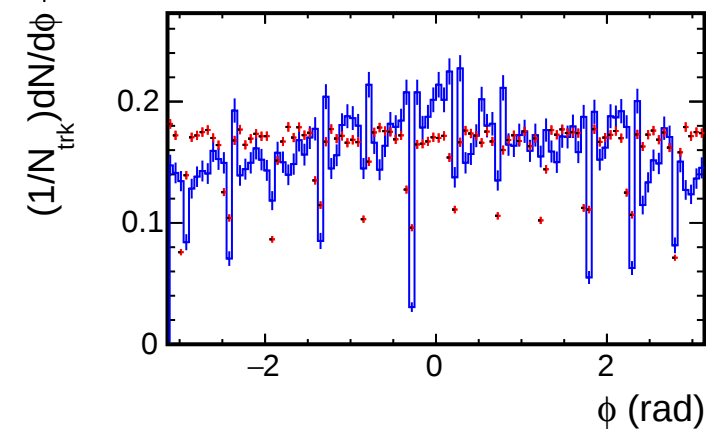
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



$p_T < 2.5$ (GeV/c)

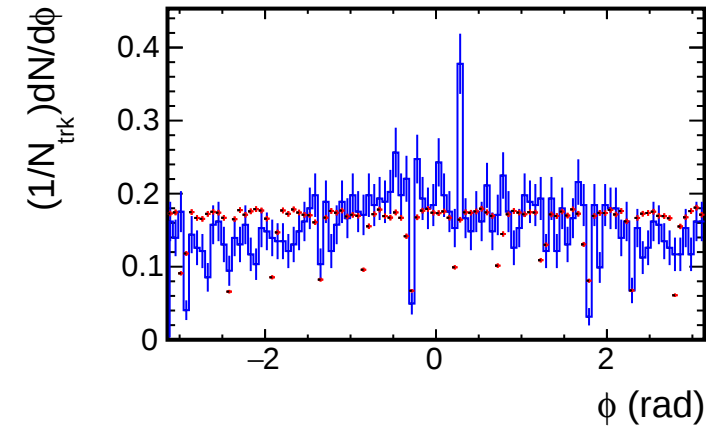


— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

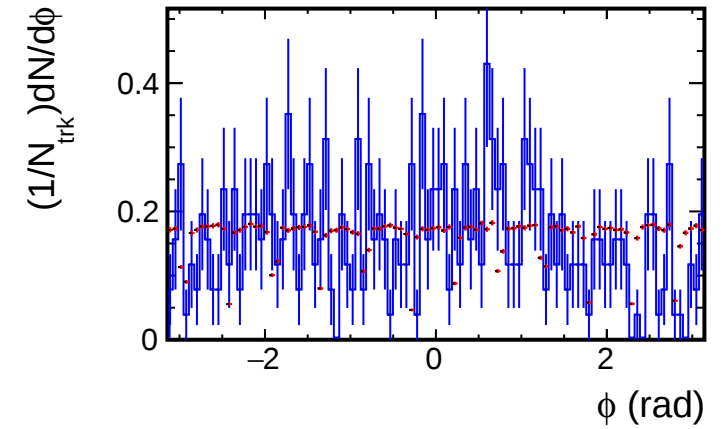
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}+}| < 2$ TPC)

Projection of ϕ for each p_T bin

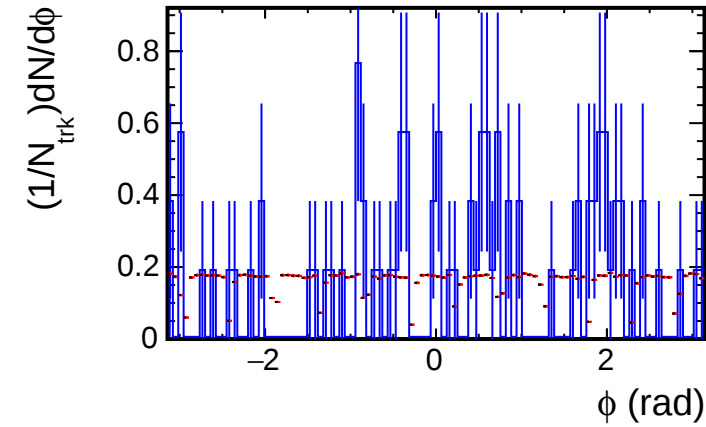
$p_T < 3.0$ (GeV/c)



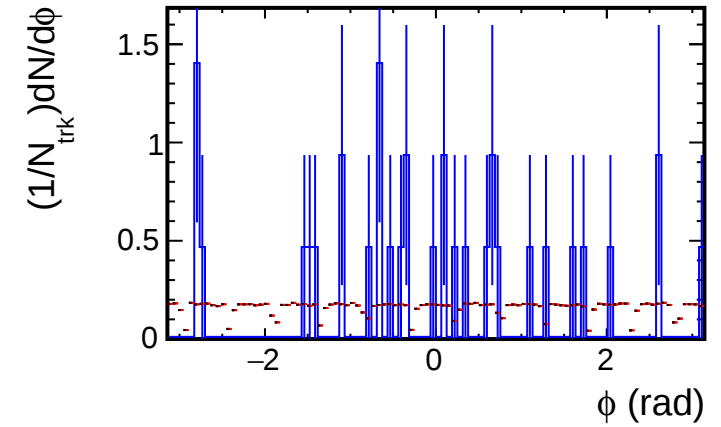
$p_T < 3.5$ (GeV/c)



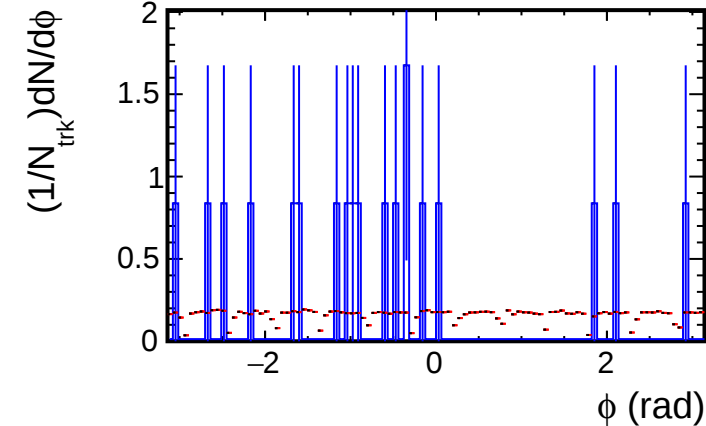
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)

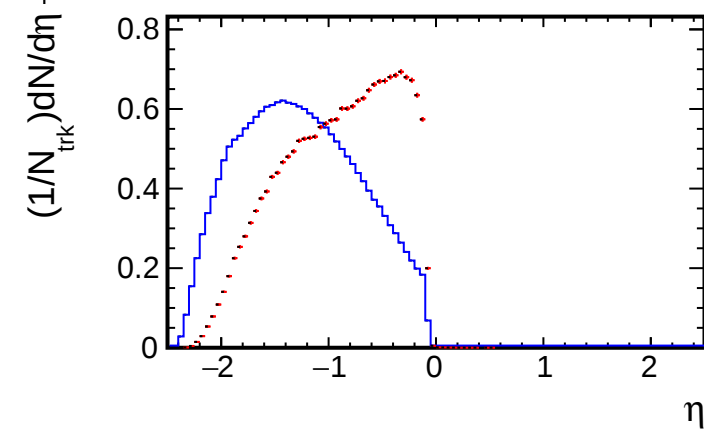
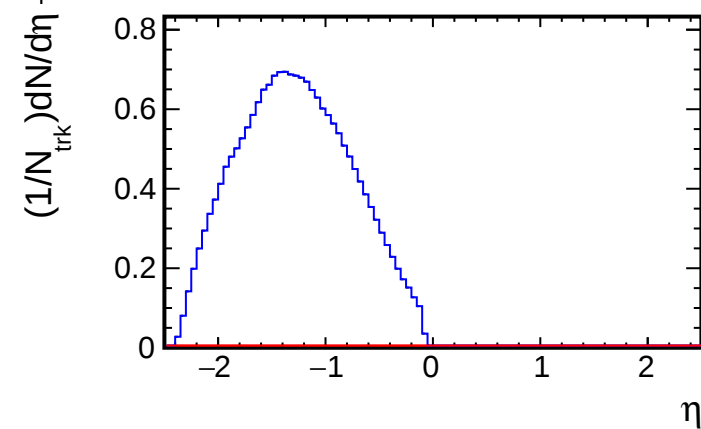
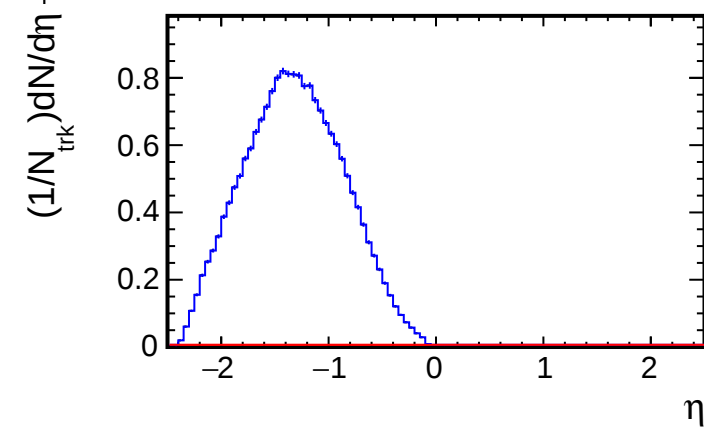
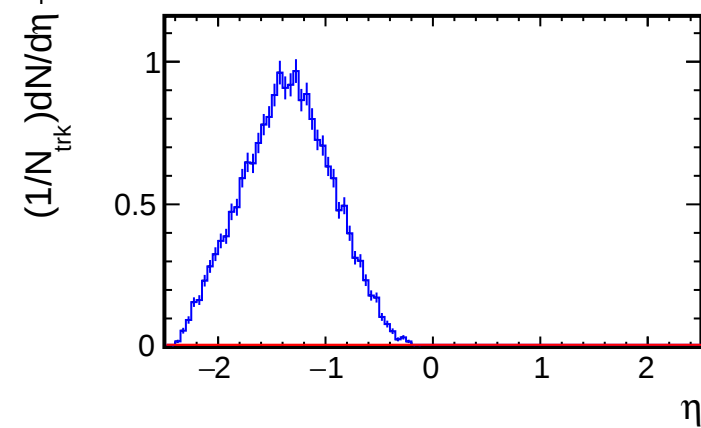
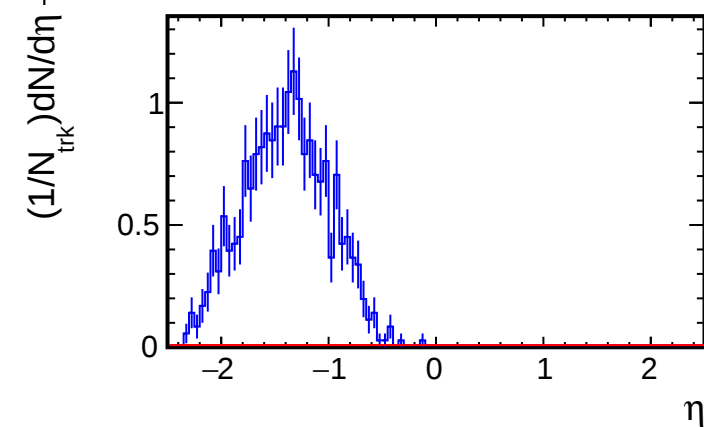


$p_T < 5.0$ (GeV/c)



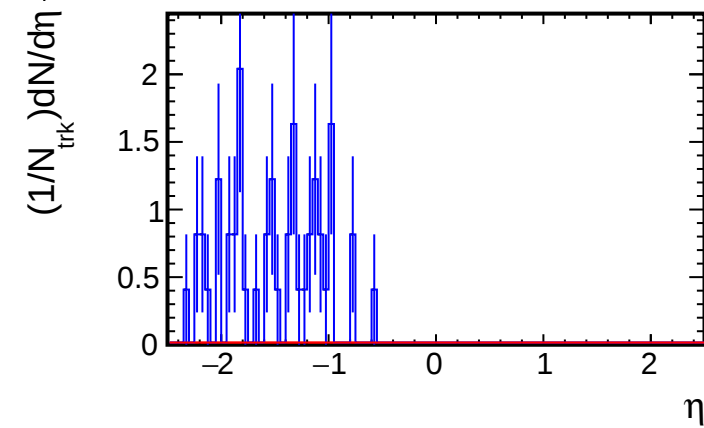
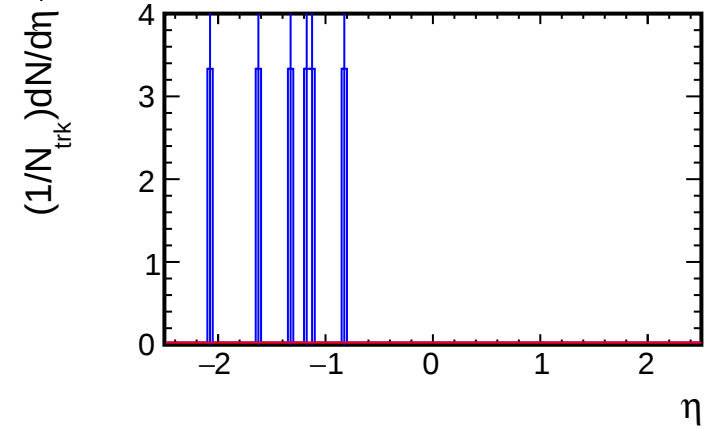
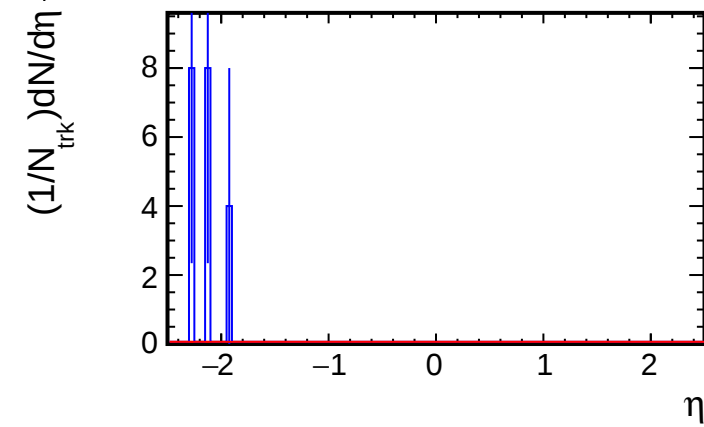
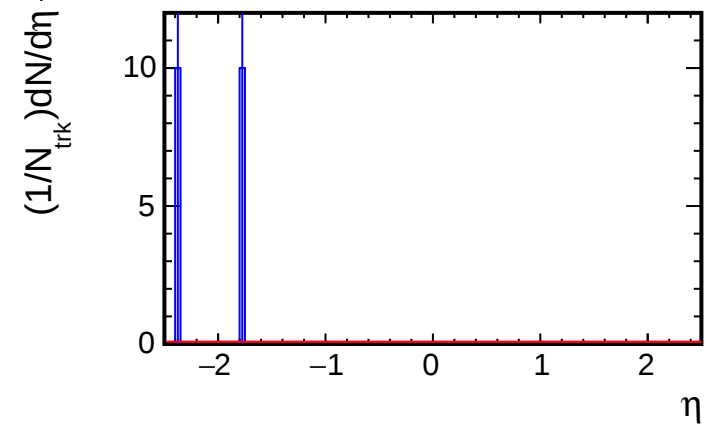
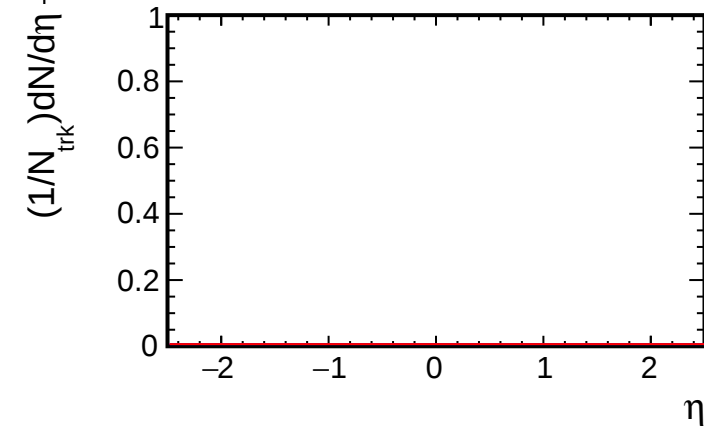
— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

— pi+
(PRIMARY, $|n \sigma_{\text{pi}+}| < 2$ 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 π^- (from H4Lambda)
(CONTAM, geantid=9)

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

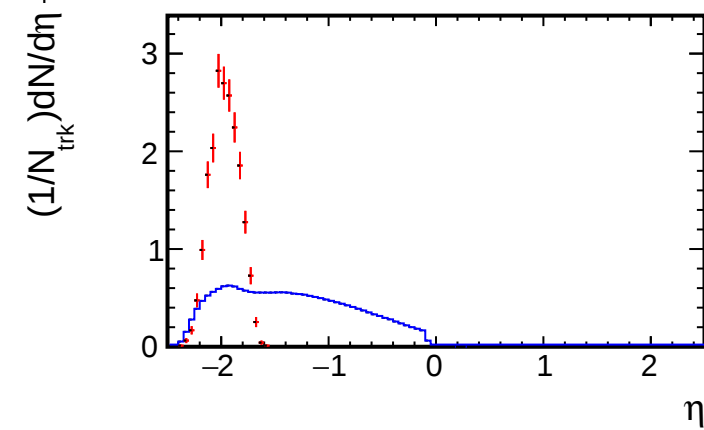
Projection of η for each p_T bin $p_T < 3.0$ (GeV/c) $p_T < 3.5$ (GeV/c) $p_T < 4.0$ (GeV/c) $p_T < 4.5$ (GeV/c) $p_T < 5.0$ (GeV/c)

— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

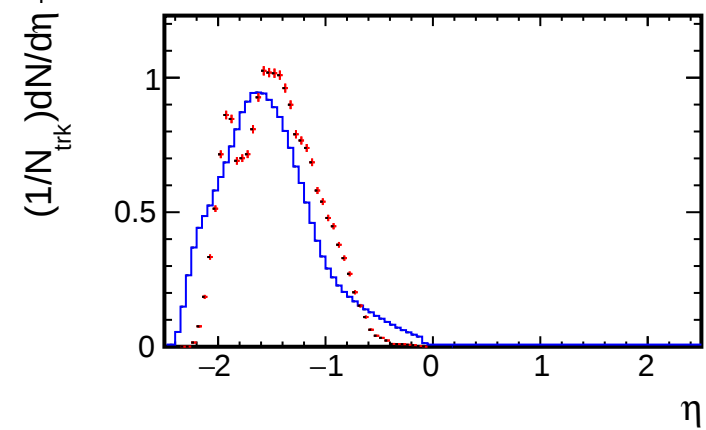
— pi-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Projection of η for each p_T bin

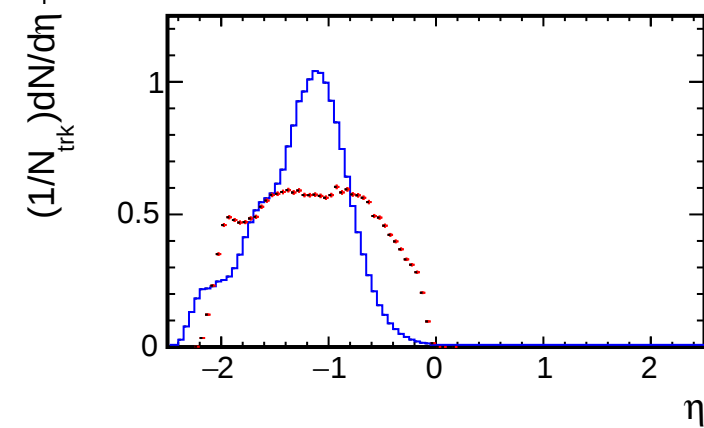
$p_T < 0.5$ (GeV/c)



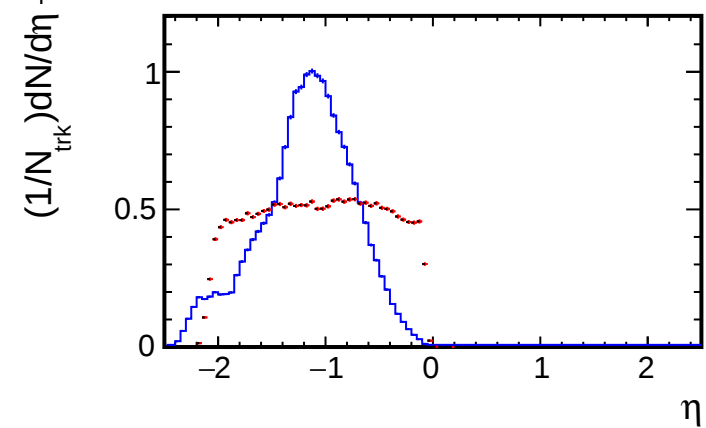
$p_T < 1.0$ (GeV/c)



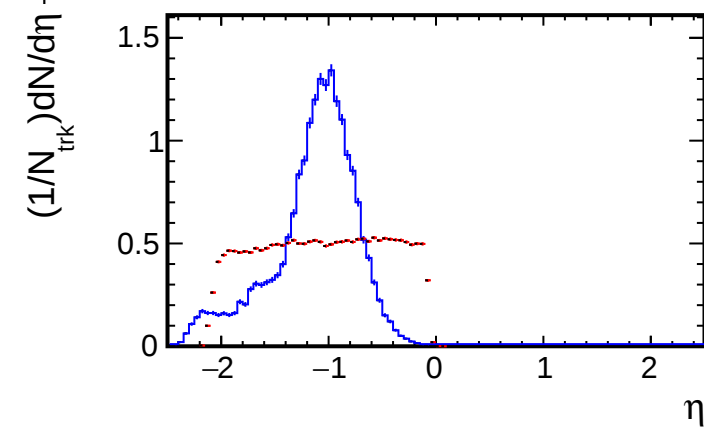
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



$p_T < 2.5$ (GeV/c)

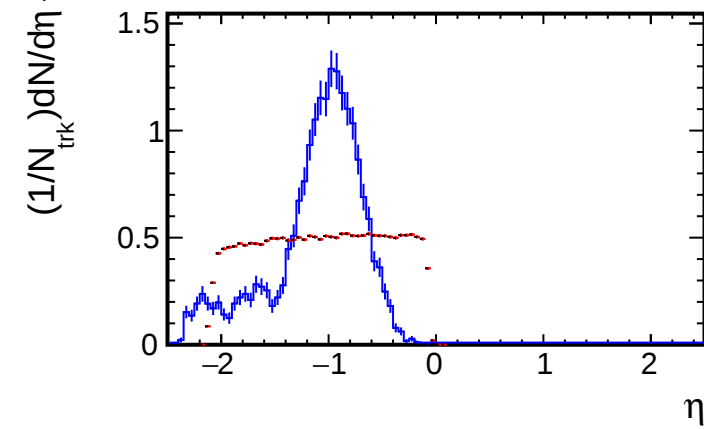


— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

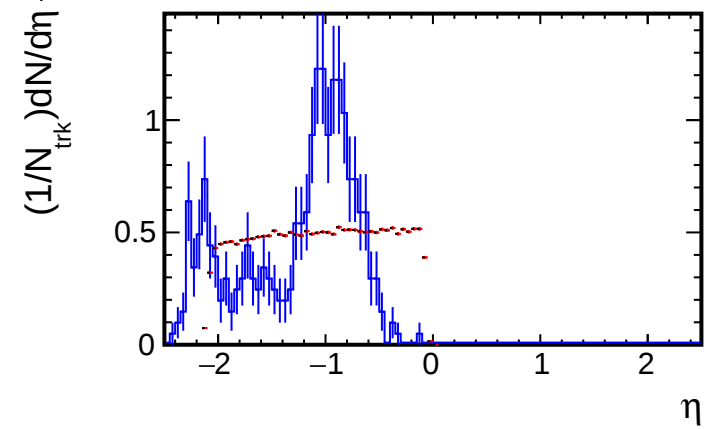
— pi+
(PRIMARY, $|n \sigma_{\pi^+}| < 2$ TPC)

Projection of η for each p_T bin

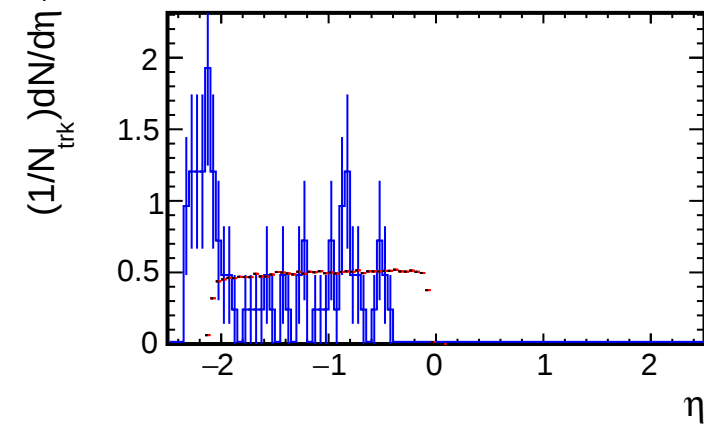
$p_T < 3.0$ (GeV/c)



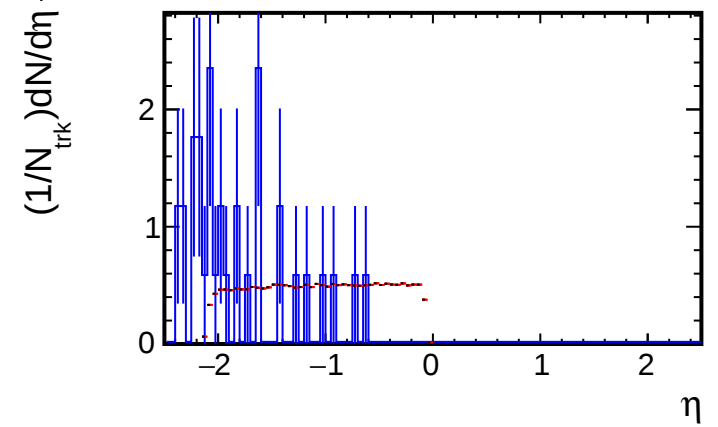
$p_T < 3.5$ (GeV/c)



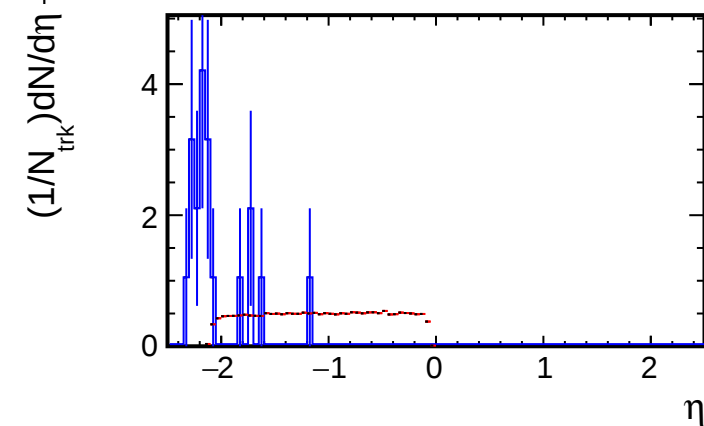
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



$p_T < 5.0$ (GeV/c)

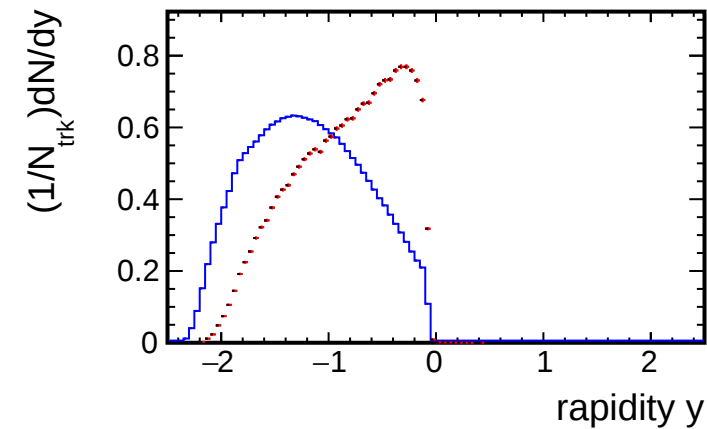


— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

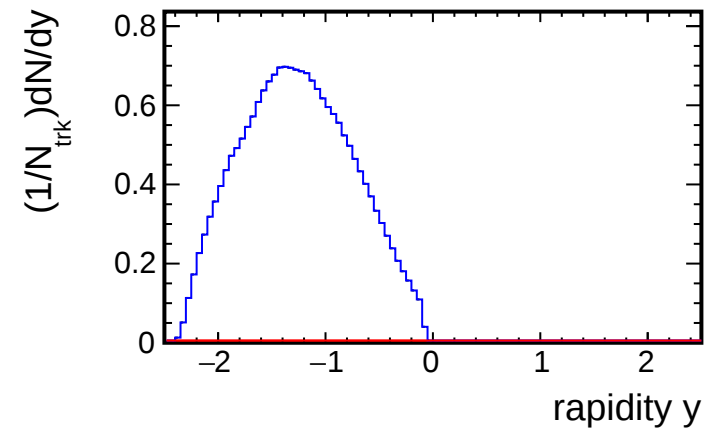
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

Projection of y for each p_T bin

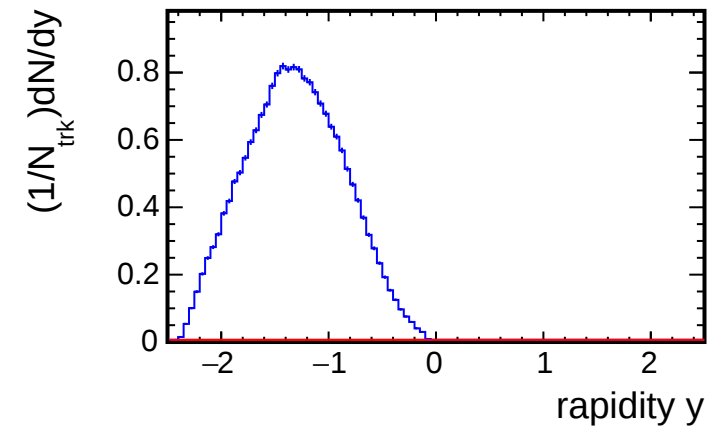
$p_T < 0.5$ (GeV/c)



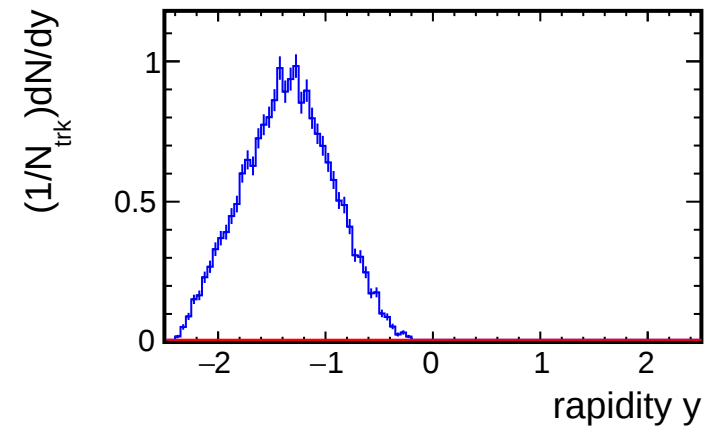
$p_T < 1.0$ (GeV/c)



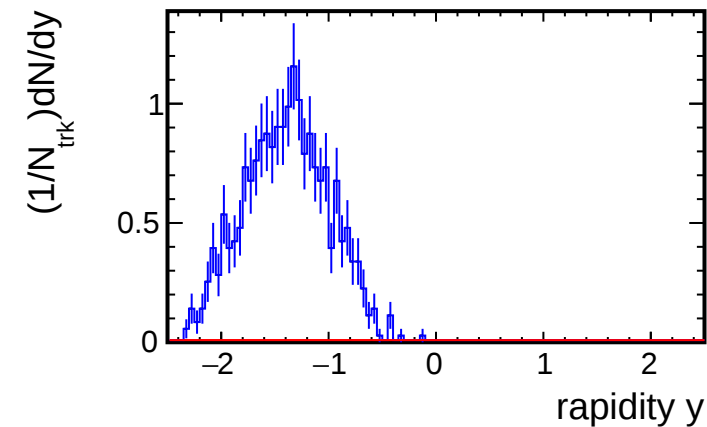
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)

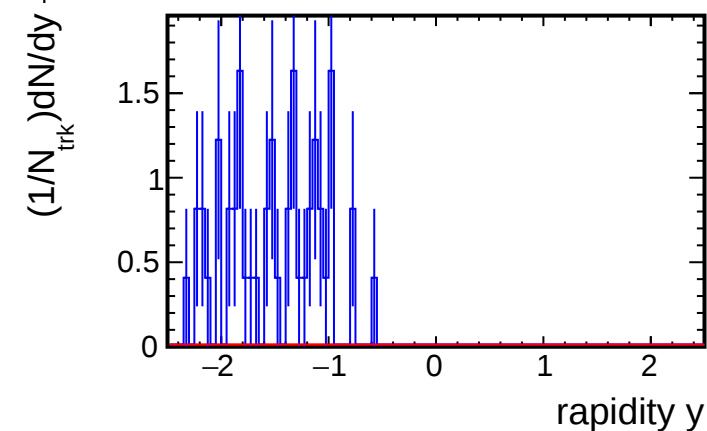
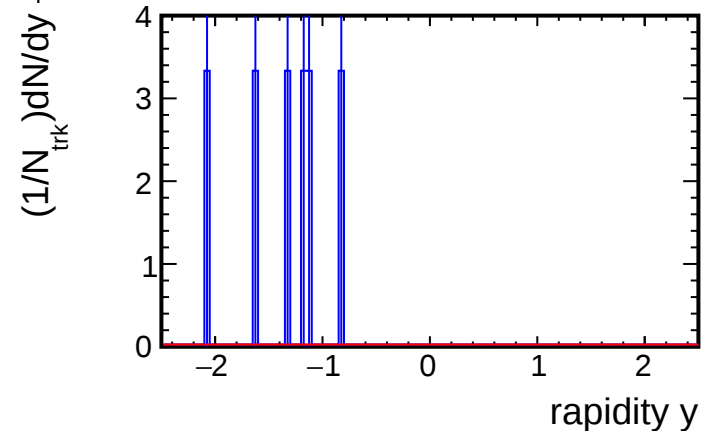
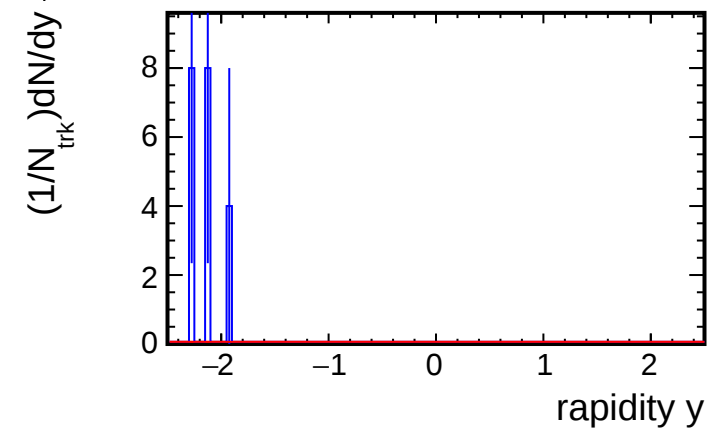
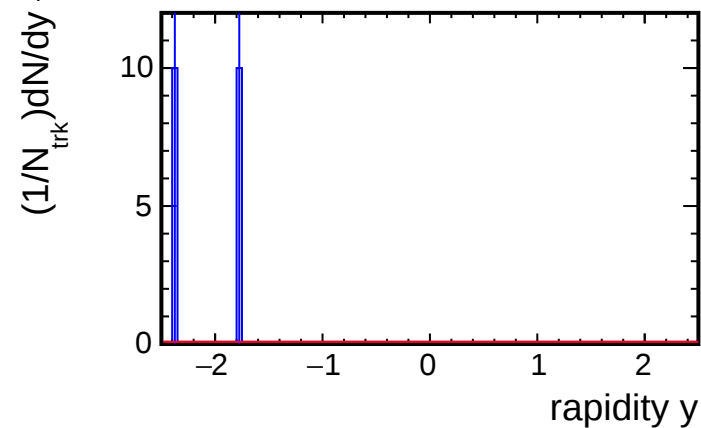
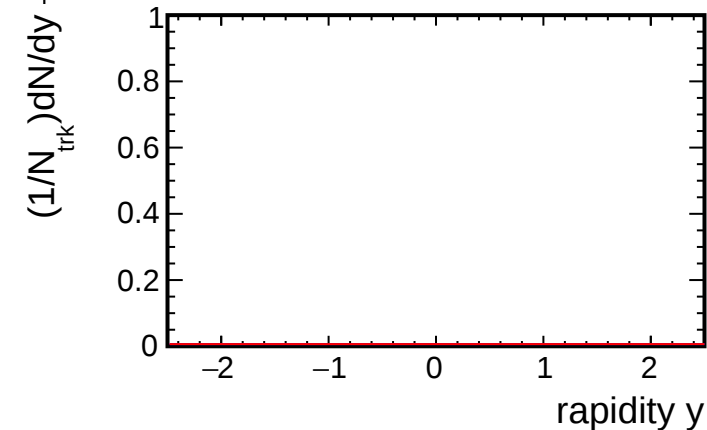


$p_T < 2.5$ (GeV/c)



— Daughter π^- (from H4Lambda)
(CONTAM, geantid=9)

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

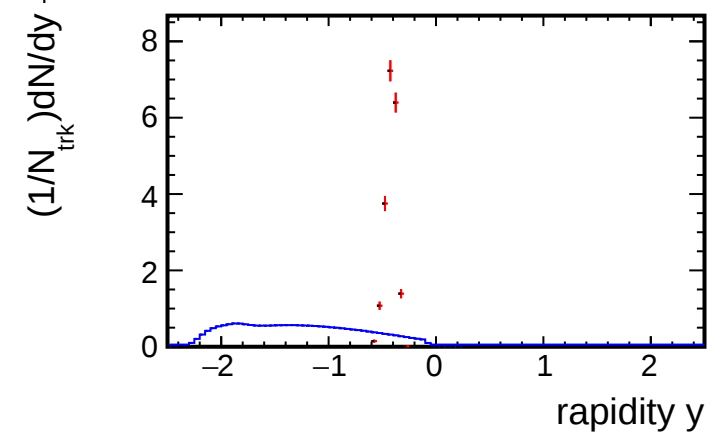
Projection of y for each p_T bin $p_T < 3.0$ (GeV/c) $p_T < 3.5$ (GeV/c) $p_T < 4.0$ (GeV/c) $p_T < 4.5$ (GeV/c) $p_T < 5.0$ (GeV/c)

— Daughter π^- (from H4Lambda)
(CONTAM, geantid=9)

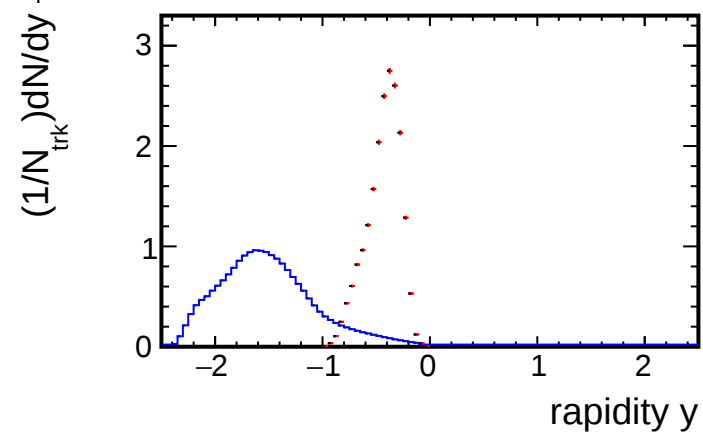
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Projection of y for each p_T bin

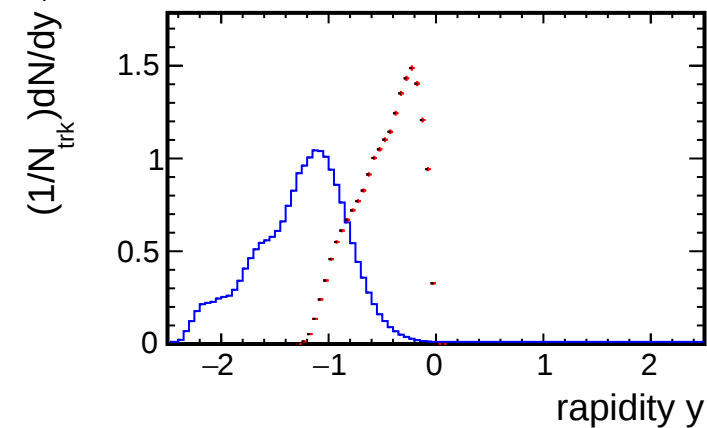
$p_T < 0.5$ (GeV/c)



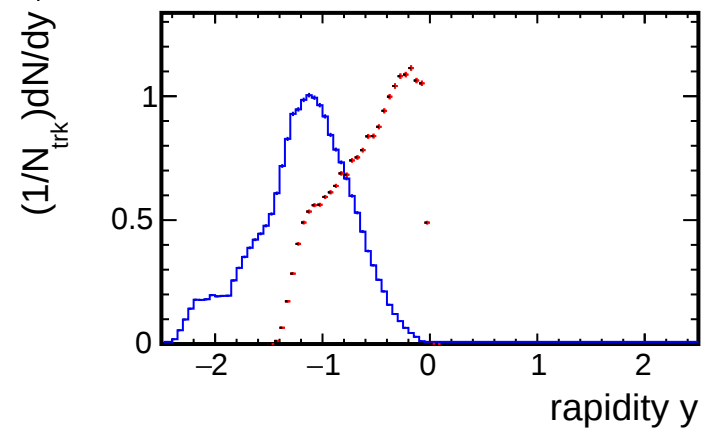
$p_T < 1.0$ (GeV/c)



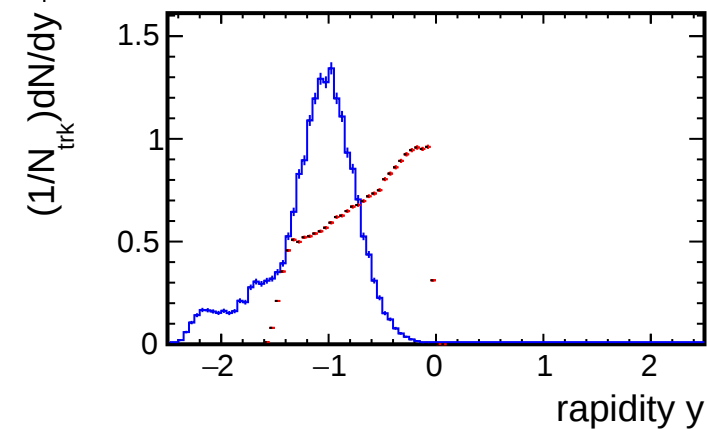
$p_T < 1.5$ (GeV/c)



$p_T < 2.0$ (GeV/c)



$p_T < 2.5$ (GeV/c)

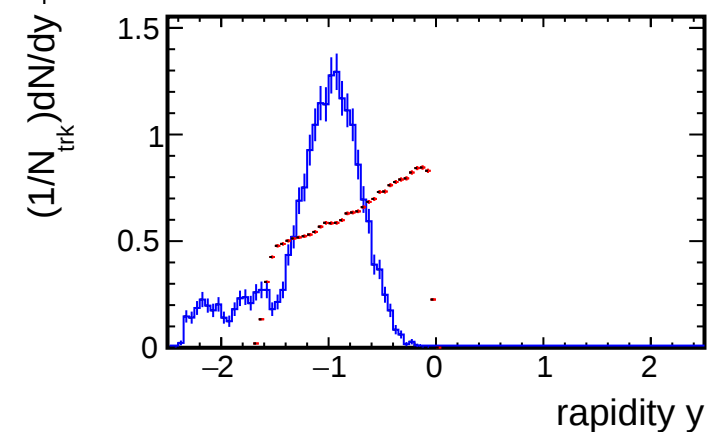


— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

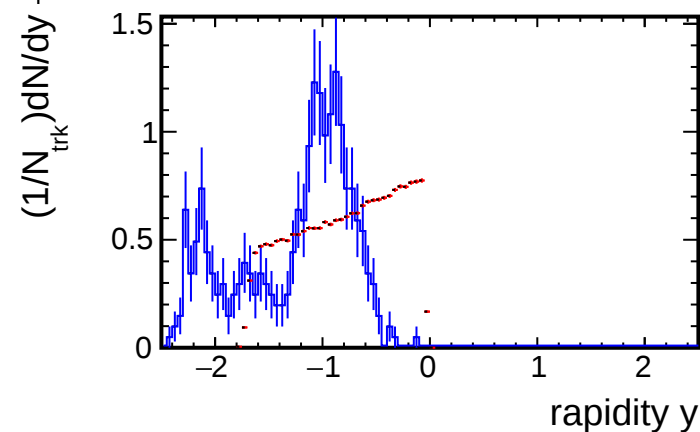
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}+}| < 2$ TPC)

Projection of y for each p_T bin

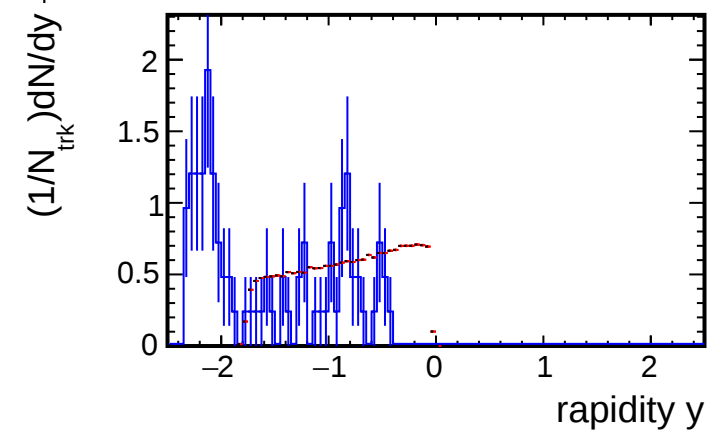
$p_T < 3.0$ (GeV/c)



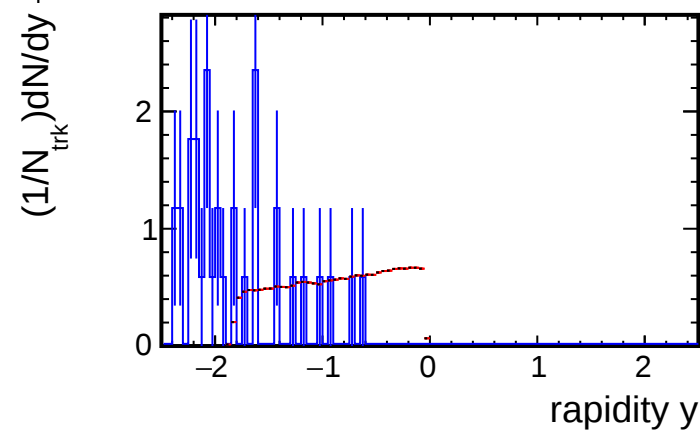
$p_T < 3.5$ (GeV/c)



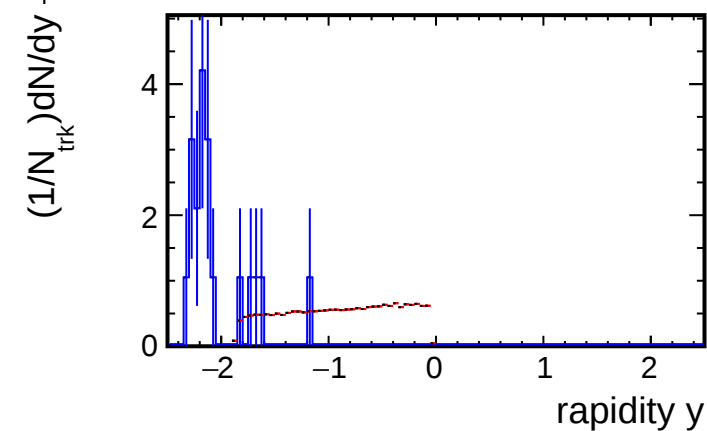
$p_T < 4.0$ (GeV/c)



$p_T < 4.5$ (GeV/c)



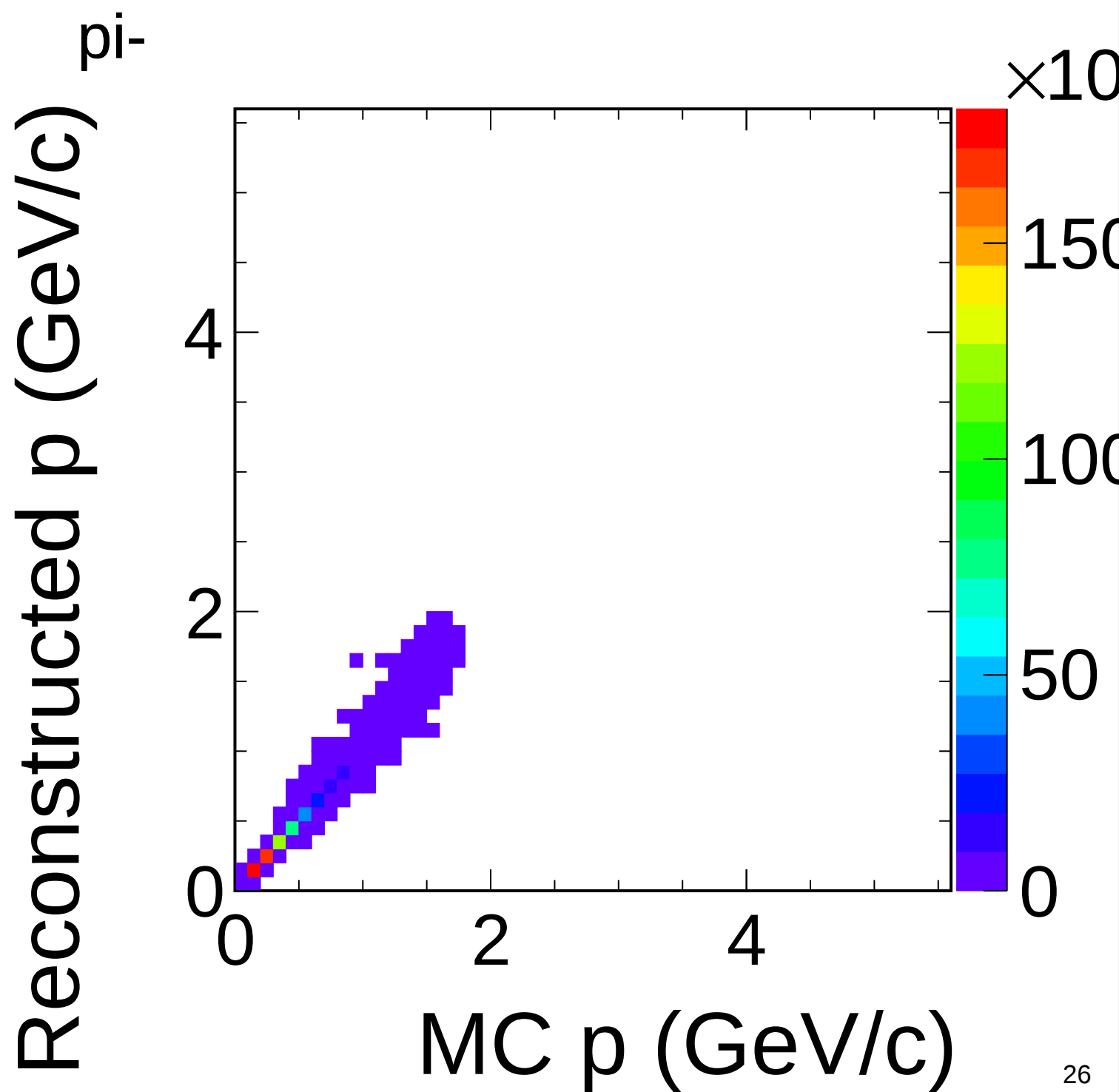
$p_T < 5.0$ (GeV/c)



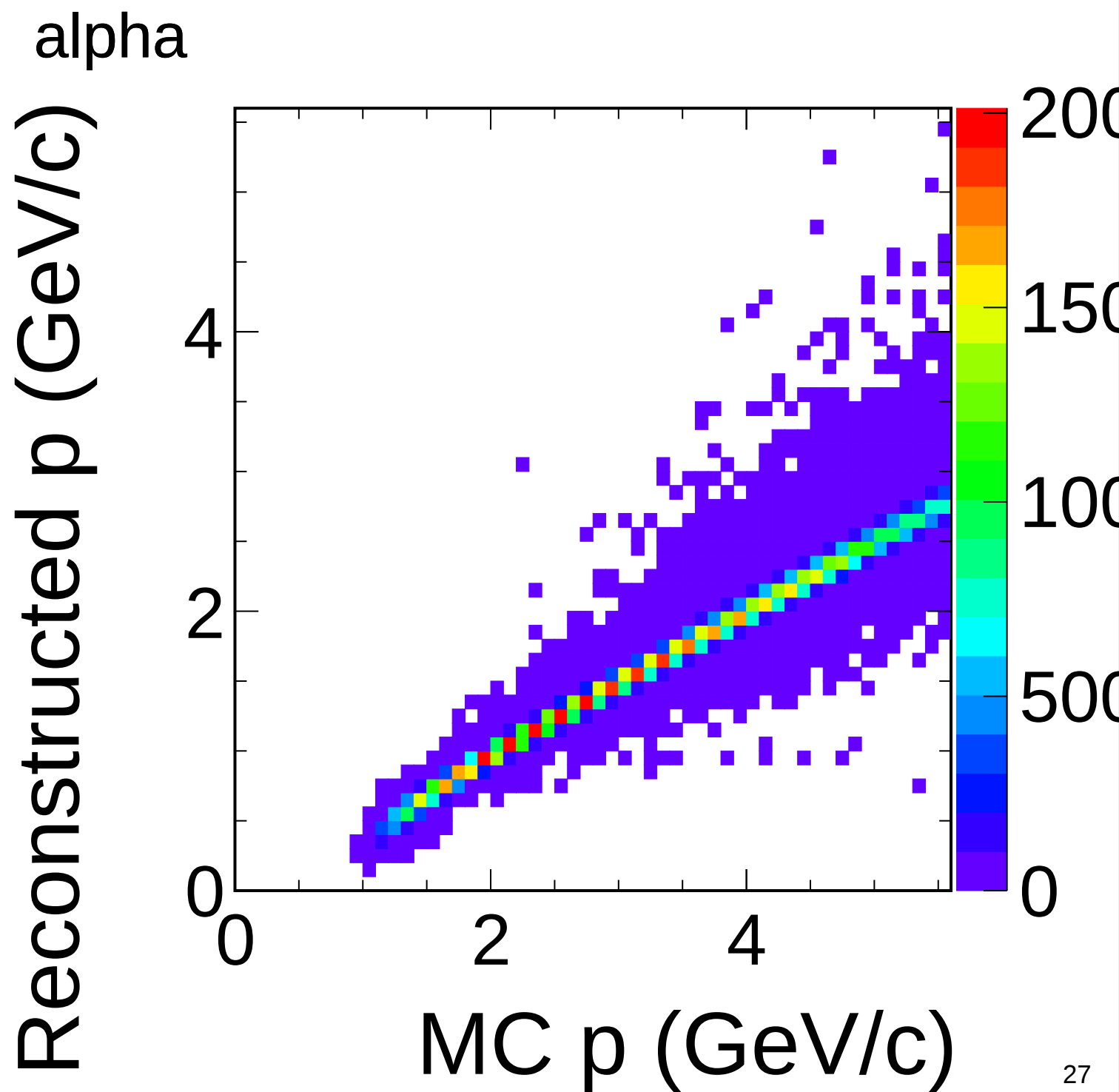
— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

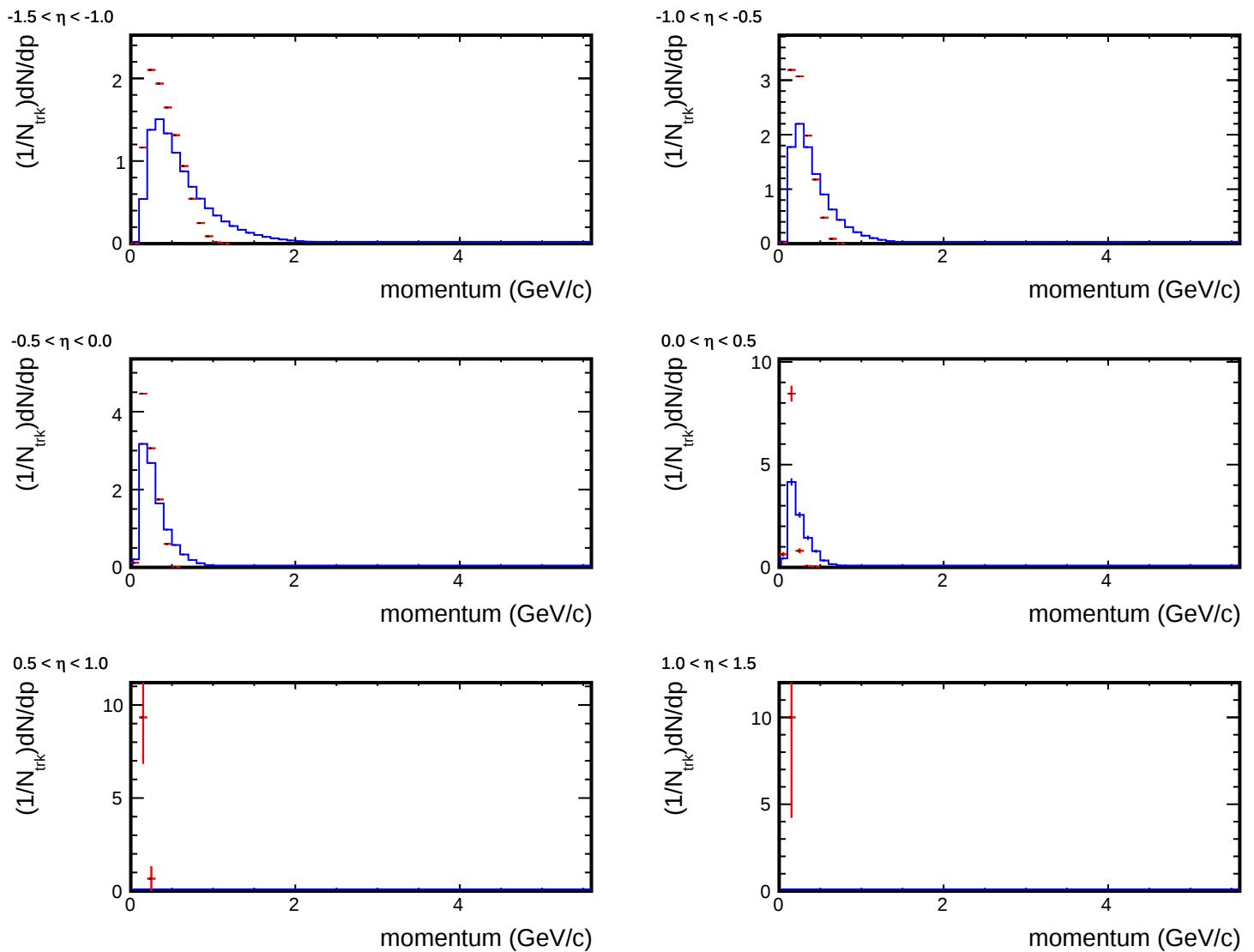
— π^+
(PRIMARY, $|\ln \sigma_{\pi^+}| < 2$ TPC)

Reconstructed momentum vs MC momentum



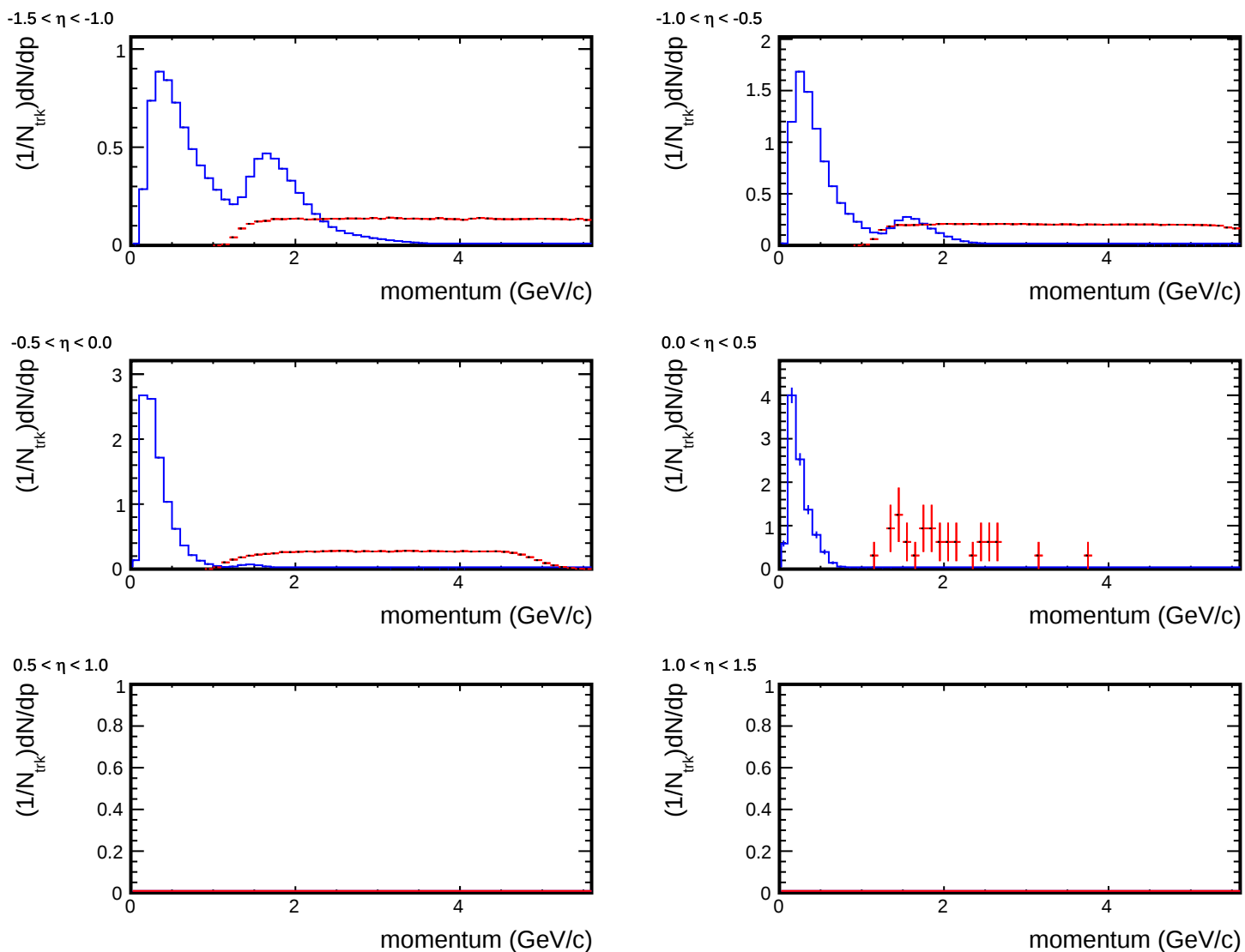
Reconstructed momentum vs MC momentum



Projection of p for each η bin

— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

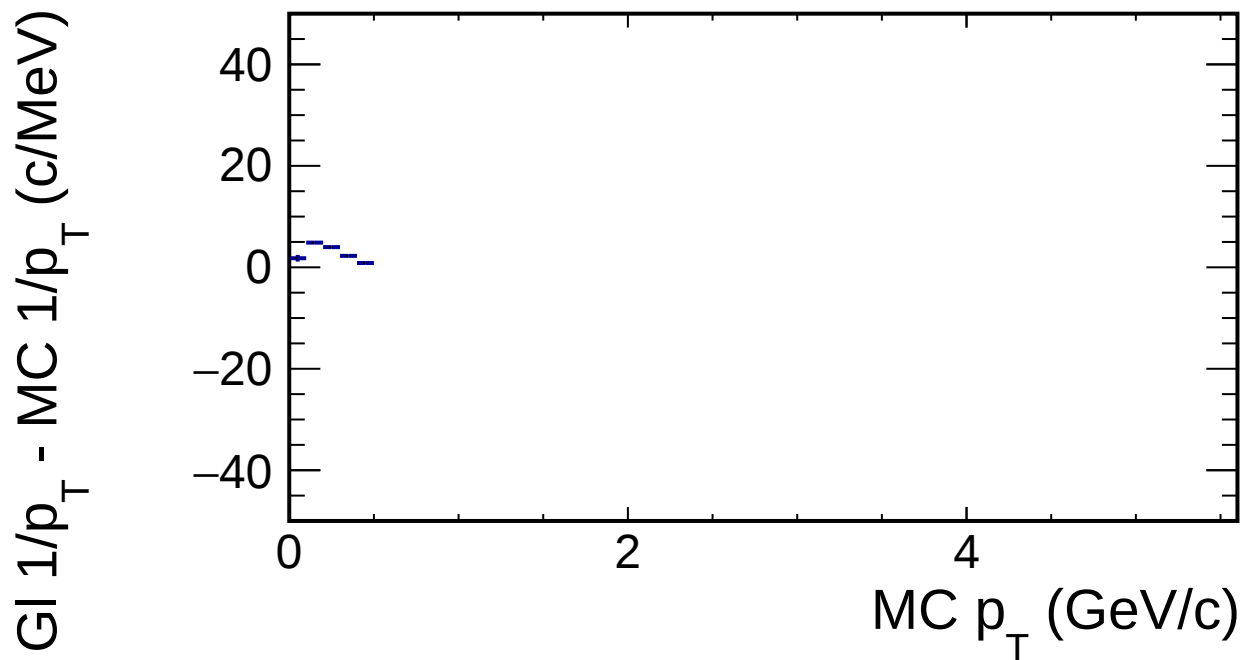
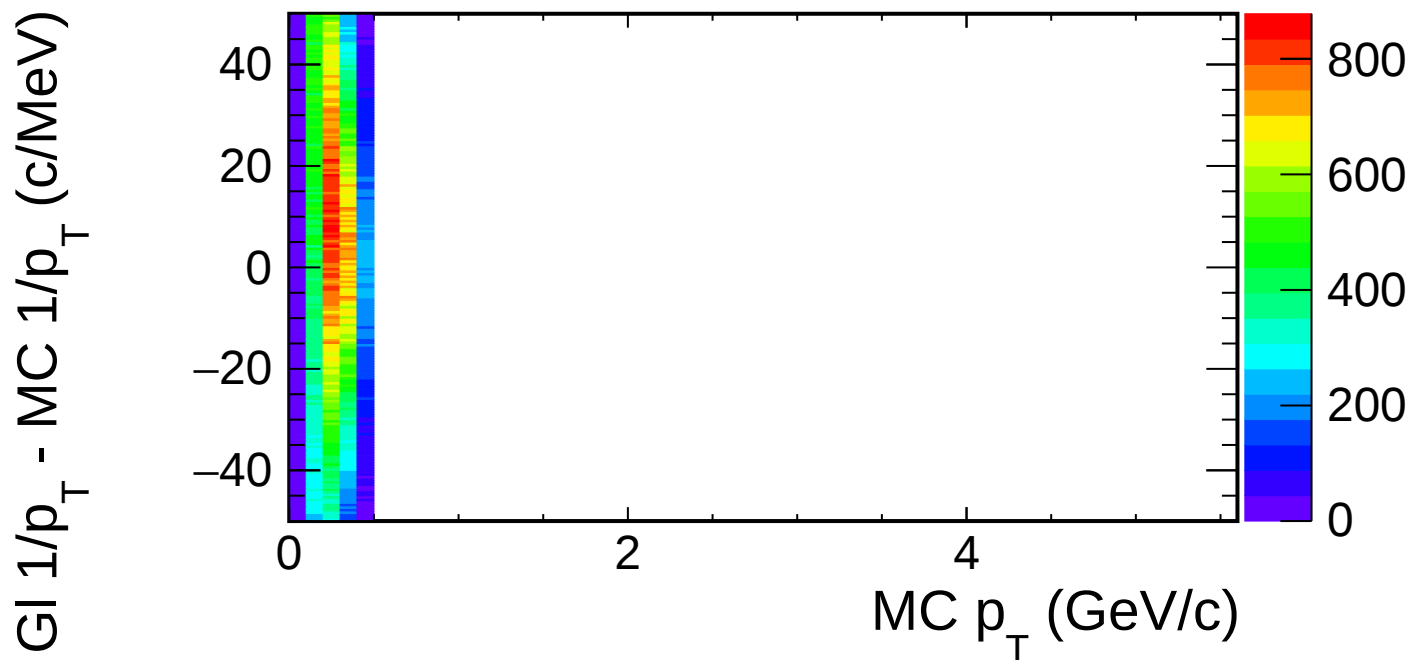
— pi-
(PRIMARY, $|n \sigma_{\text{pi-}}| < 2$ TPC)

Projection of p for each η bin

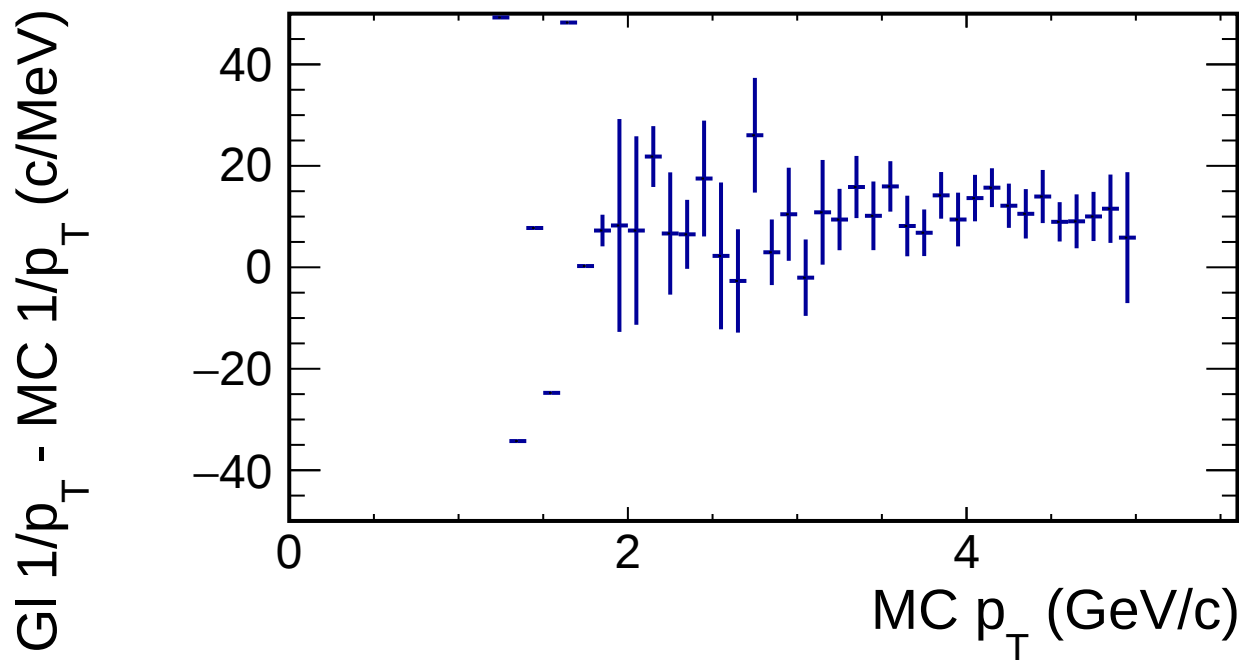
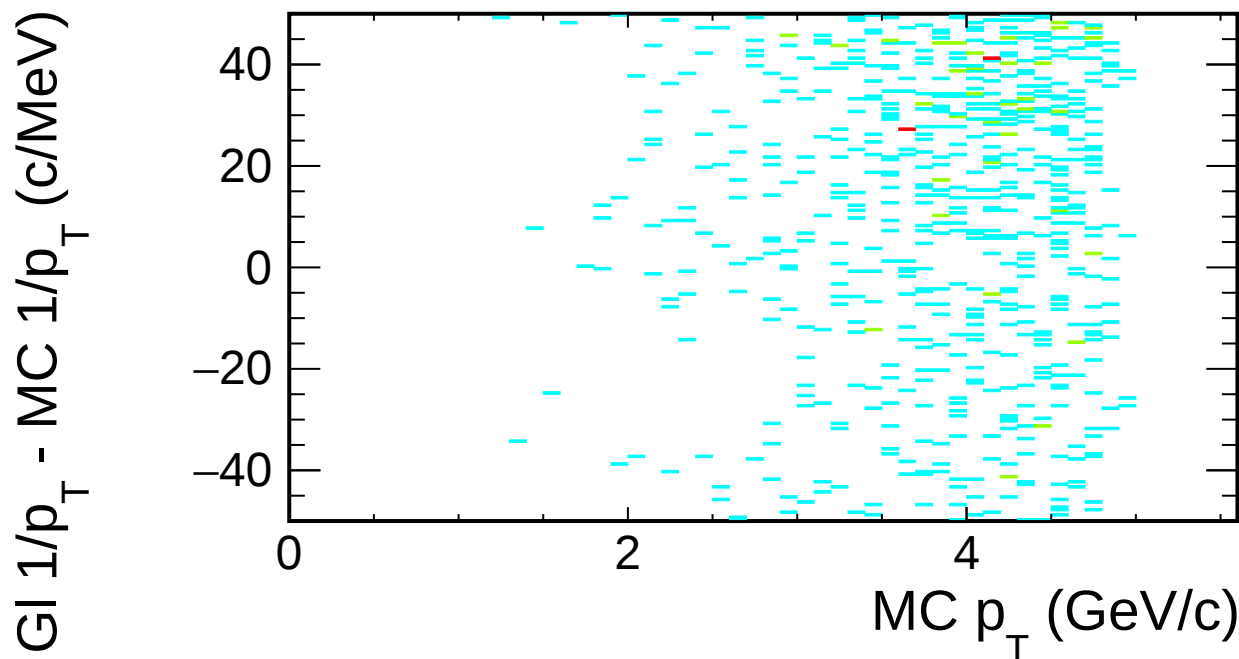
— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

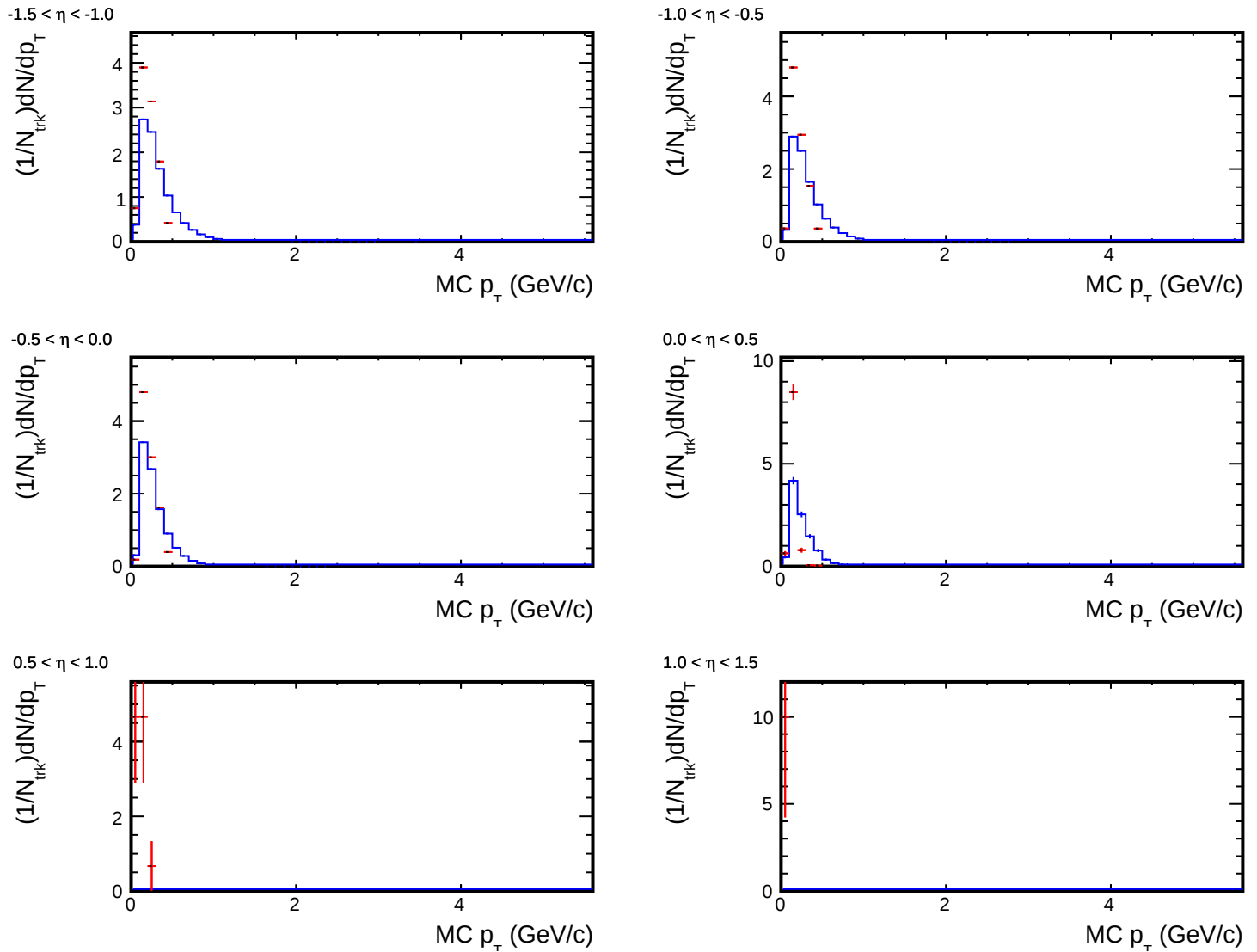
$1/p_T$ (Gl) - $1/p_T$ (MC) vs p_T (MC) (pi-)



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



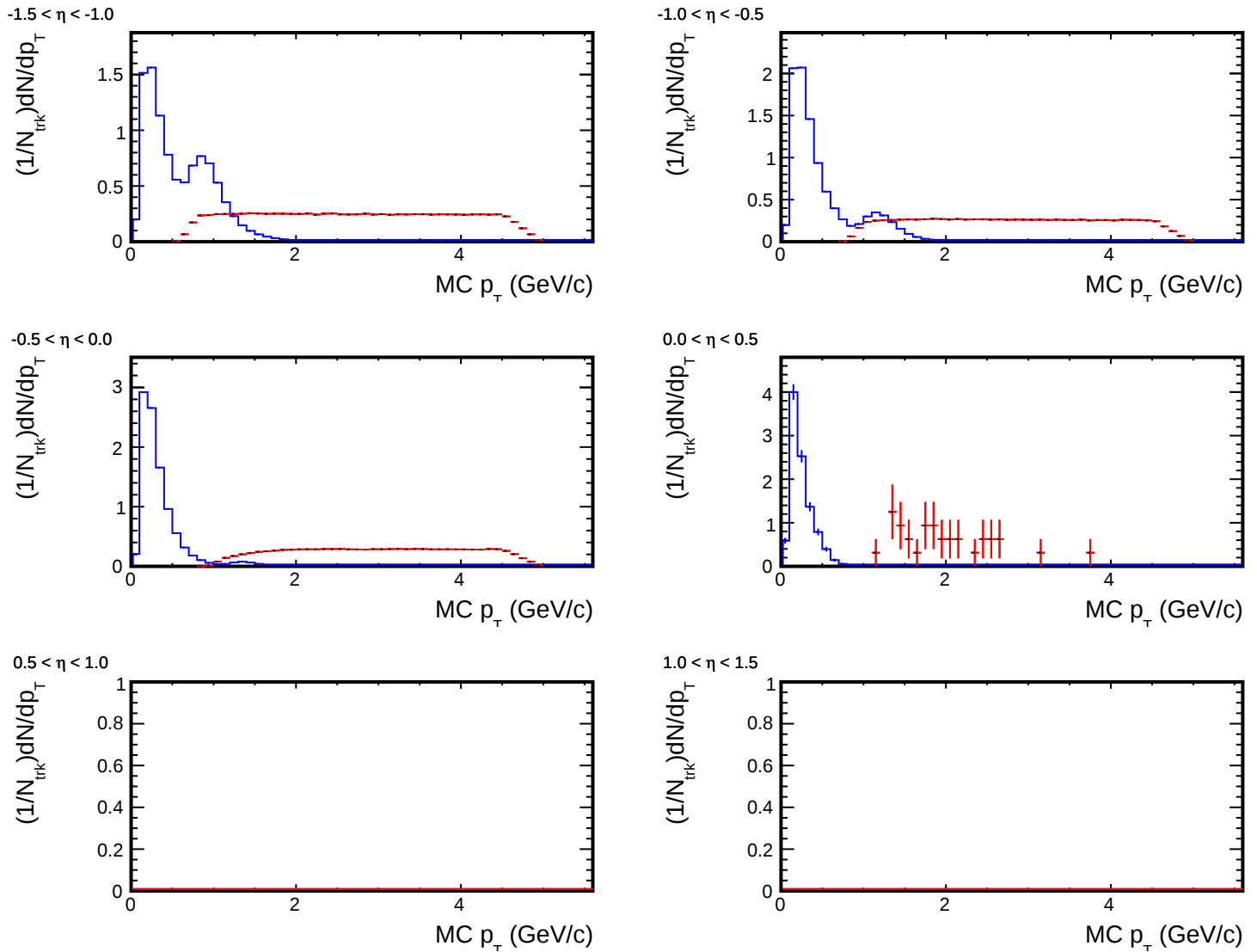
Projection of p_T for each η bin



— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

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

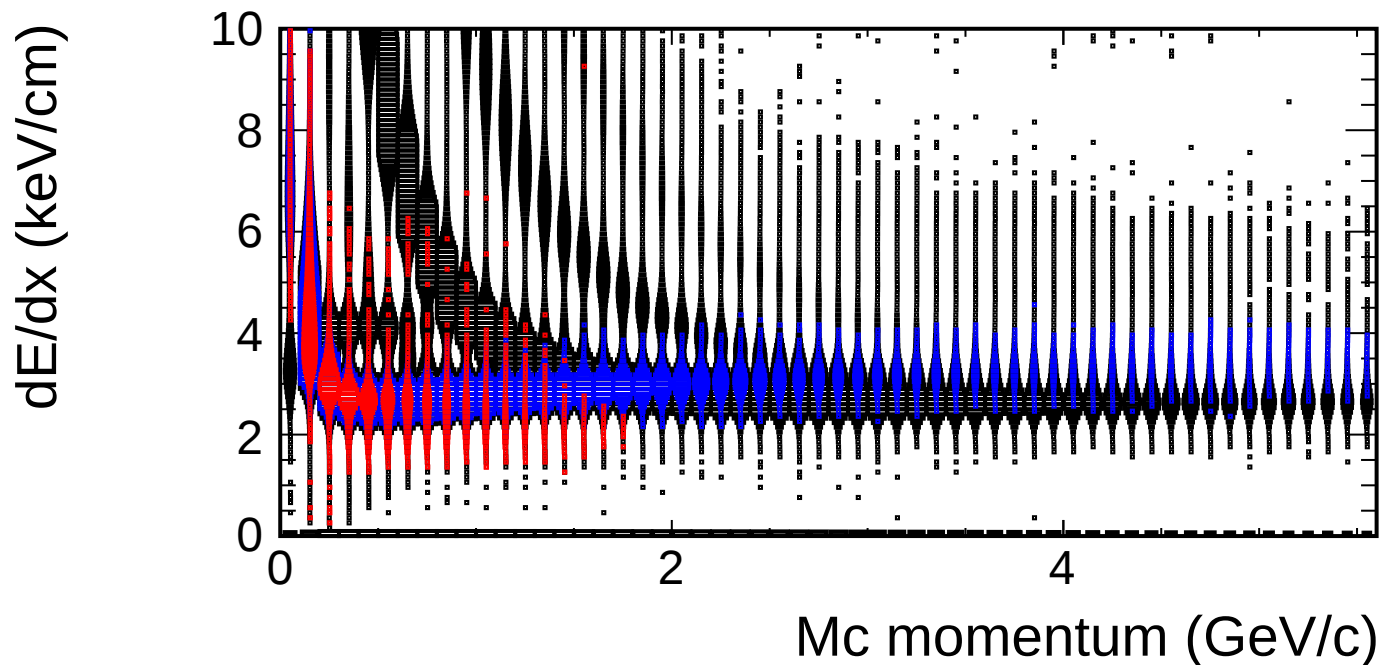
Projection of p_T for each η bin



— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

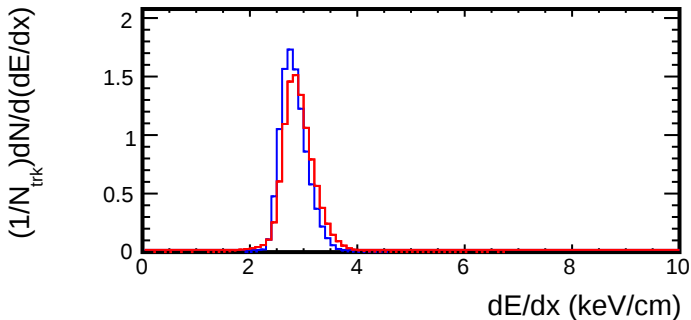
dE/dx vs momentum (Embedding:pi-, Real:pi-)



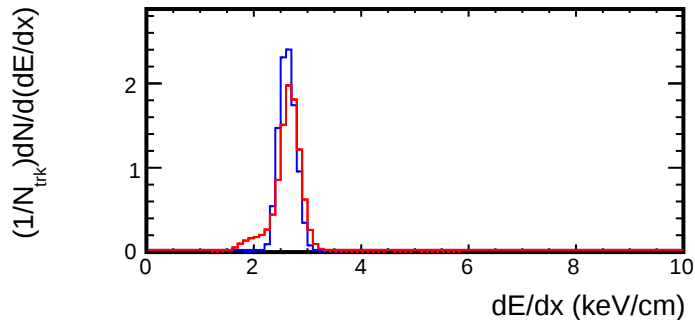
- Daughter π^- (from H4Lambda) (CONTAM, geantid=9)
- Real data
- Real data with PID cut ($\sigma < 2$) TPC

Projection of dE/dx for each p bin

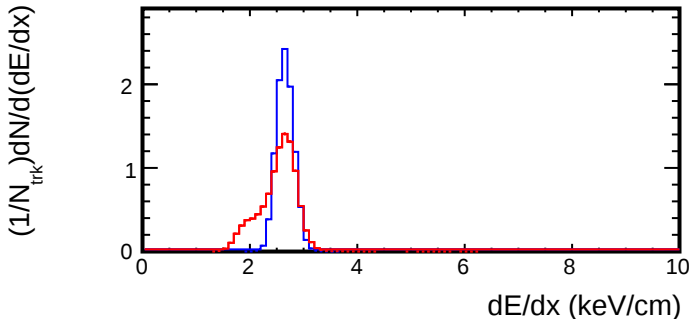
< Mc p < 0.4 GeV/c



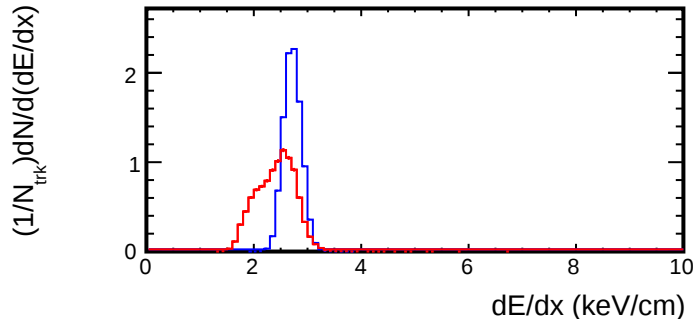
< Mc p < 0.6 GeV/c



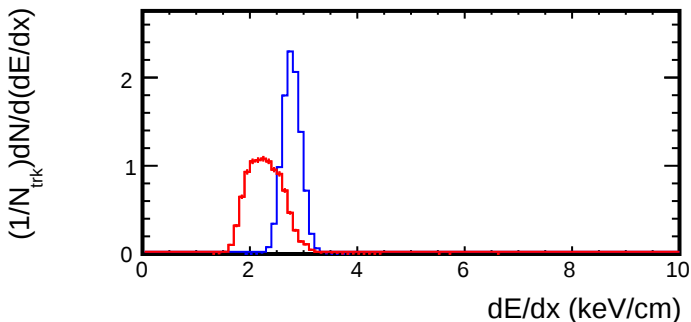
< Mc p < 0.8 GeV/c



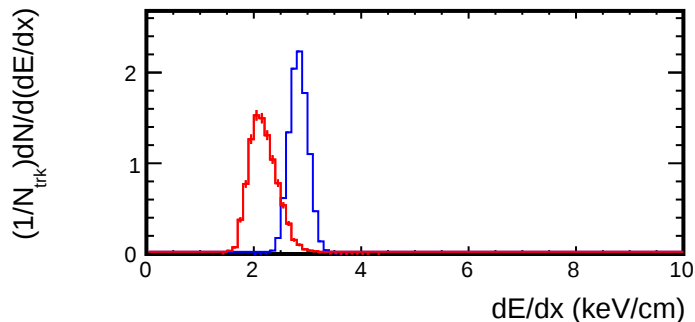
< Mc p < 1.0 GeV/c



< Mc p < 1.2 GeV/c



< Mc p < 1.4 GeV/c

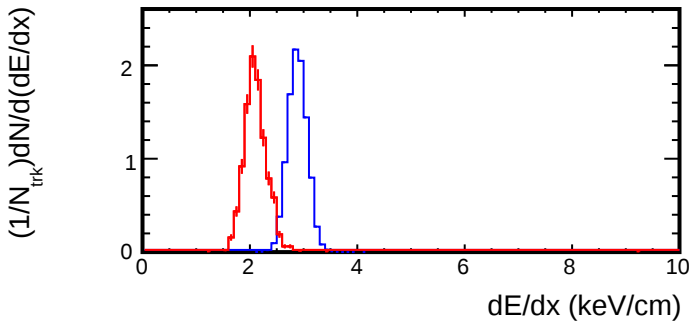


— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

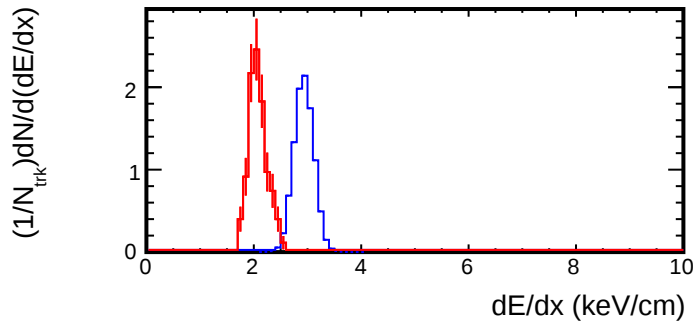
— pi-
(PRIMARY, $|n \sigma_{\pi^-}| < 2$ TPC)

Projection of dE/dx for each p bin

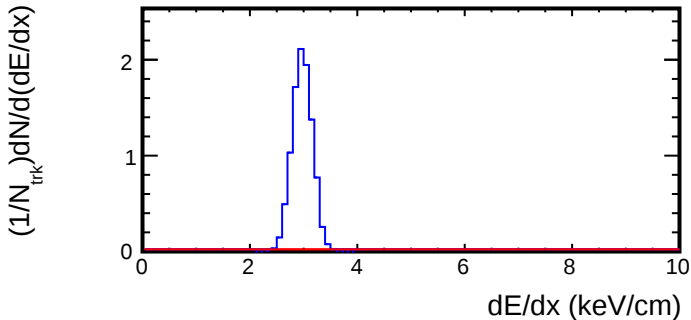
< Mc p < 1.6 GeV/c



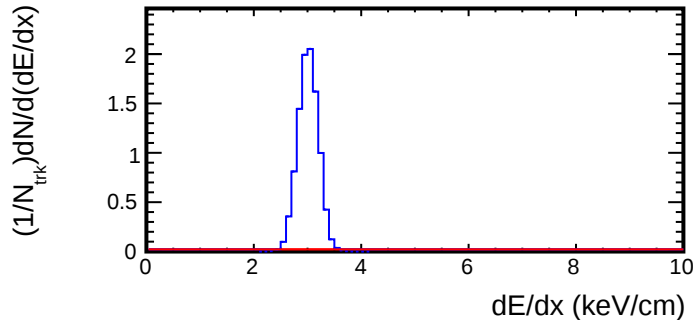
< Mc p < 1.8 GeV/c



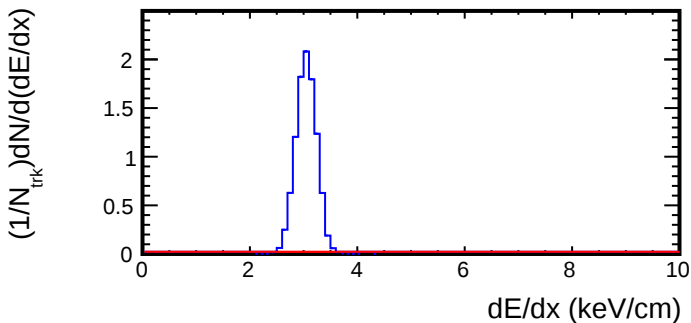
< Mc p < 2.0 GeV/c



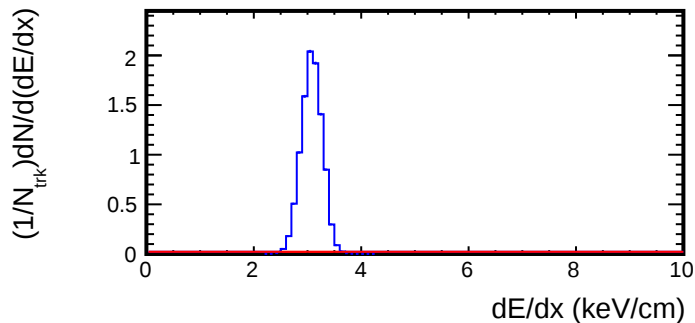
< Mc p < 2.2 GeV/c



< Mc p < 2.4 GeV/c



< Mc p < 2.6 GeV/c

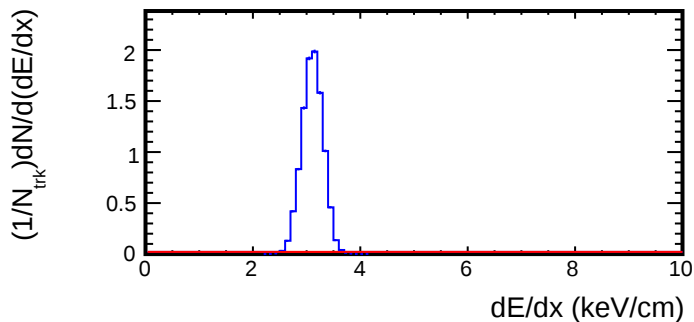


— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

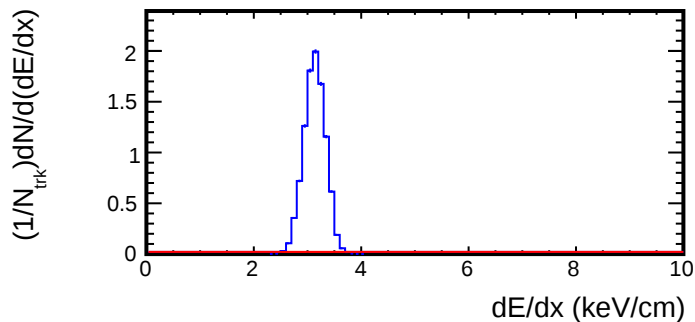
— pi-
(PRIMARY, $|n \sigma_{\text{pi-}}| < 2$ TPC)

Projection of dE/dx for each p bin

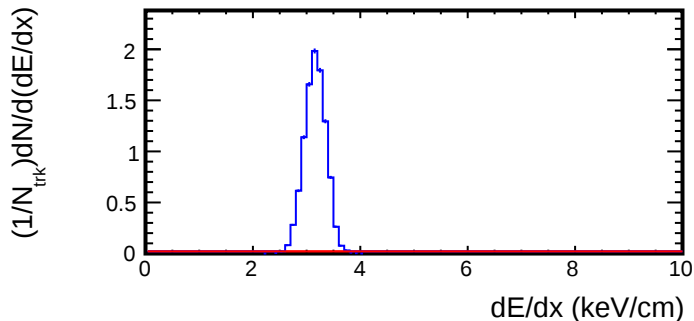
< Mc p < 2.8 GeV/c



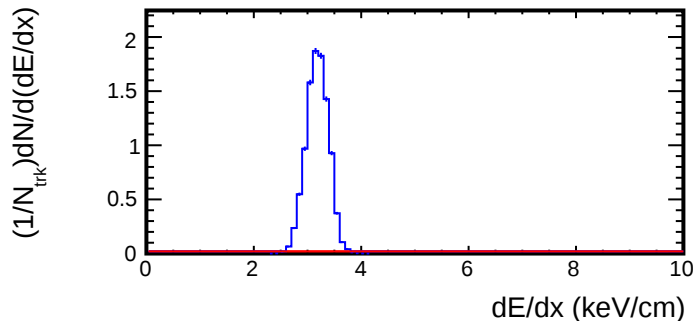
< Mc p < 3.0 GeV/c



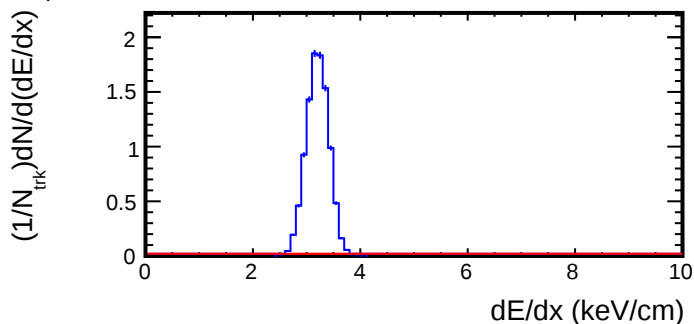
< Mc p < 3.2 GeV/c



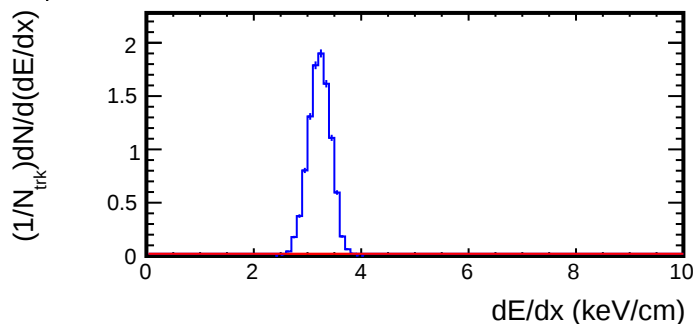
< Mc p < 3.4 GeV/c



< Mc p < 3.6 GeV/c



< Mc p < 3.8 GeV/c

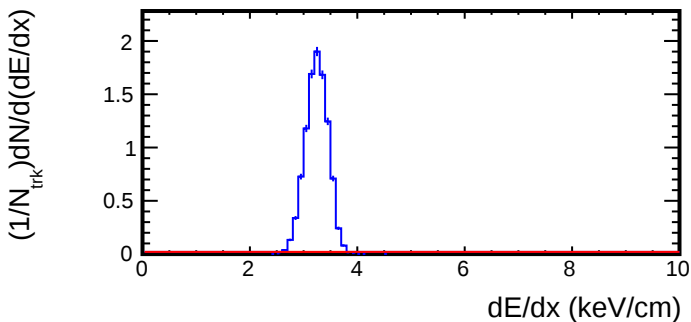


— Daughter π^- (from H4Lambda)
(CONTAM, geantid=9)

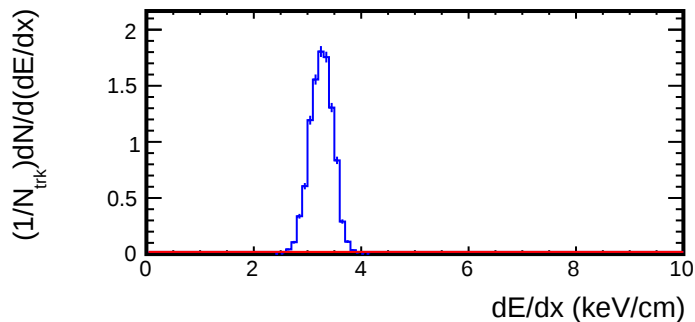
— π^-
(PRIMARY, $|n\sigma_{\pi^-}| < 2$ TPC)

Projection of dE/dx for each p bin

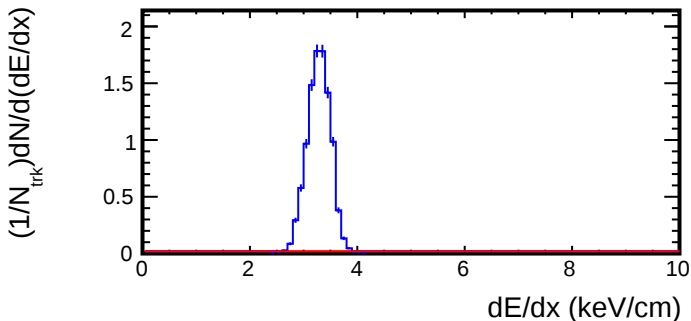
< Mc p < 4.0 GeV/c



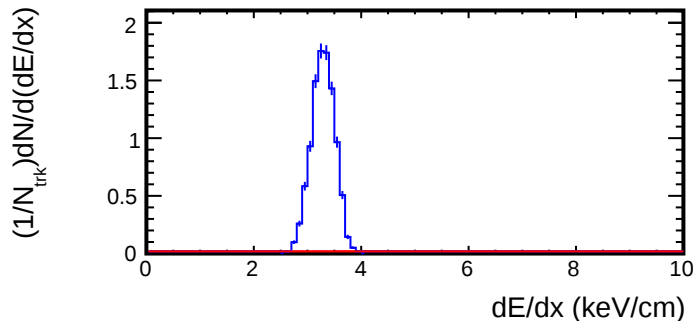
< Mc p < 4.2 GeV/c



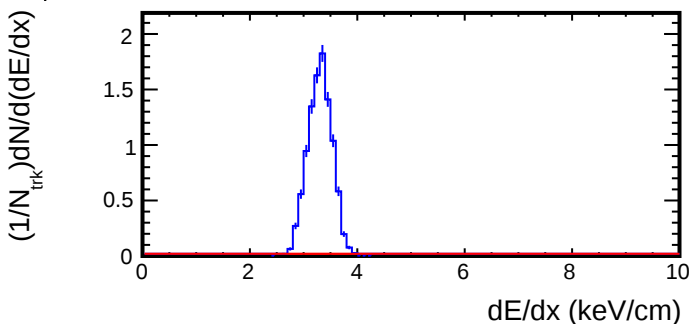
< Mc p < 4.4 GeV/c



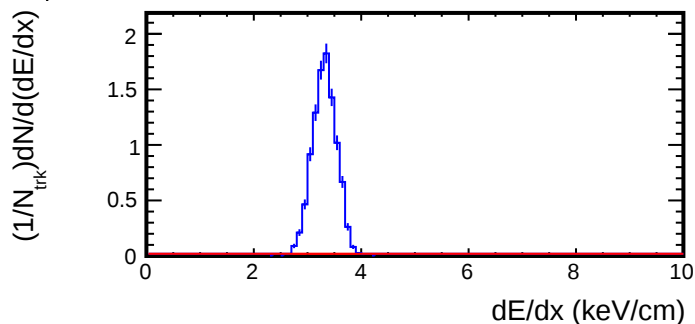
< Mc p < 4.6 GeV/c



< Mc p < 4.8 GeV/c



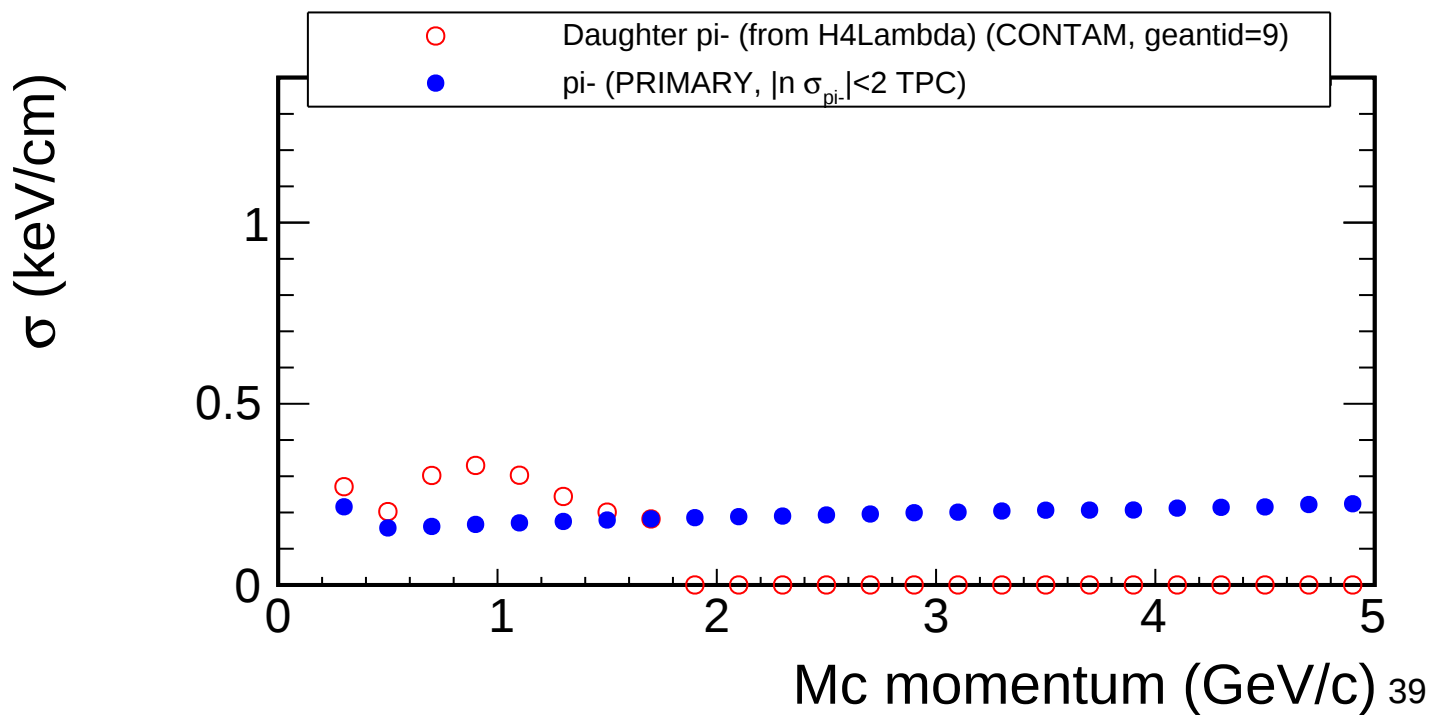
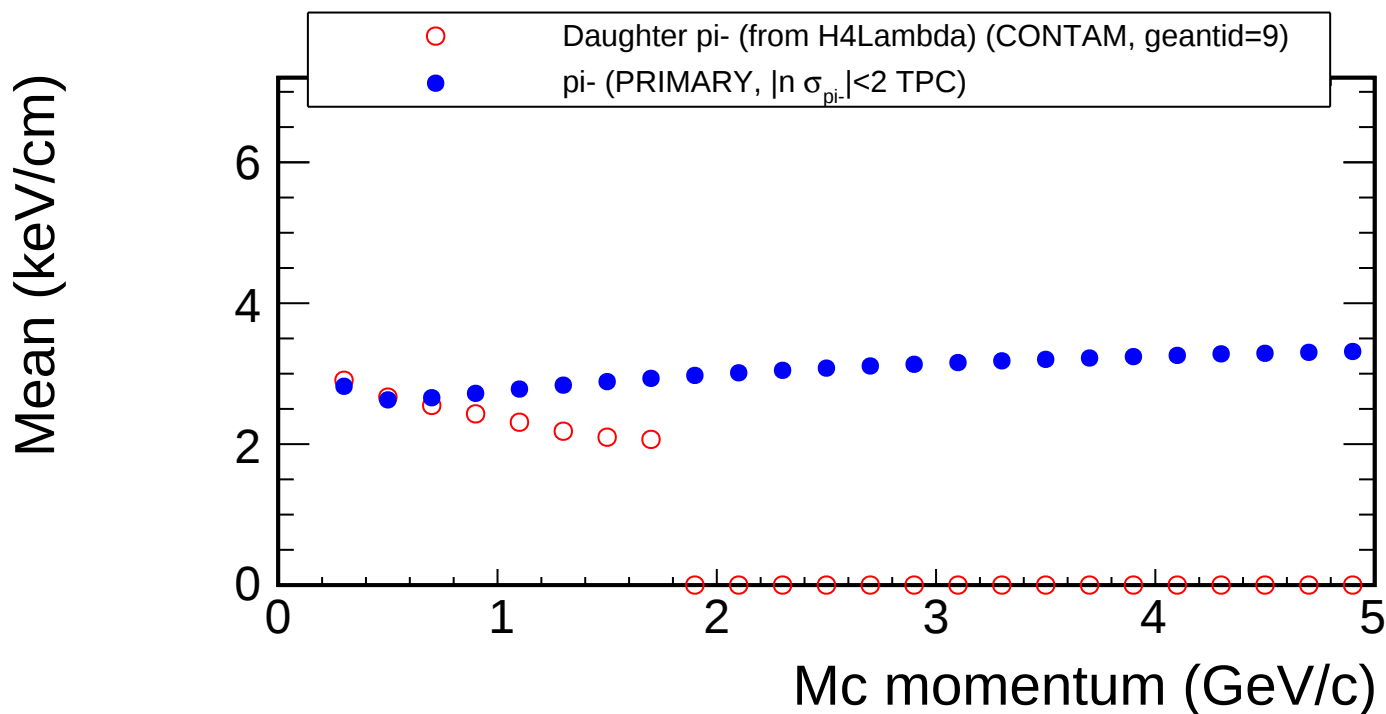
< Mc p < 5.0 GeV/c



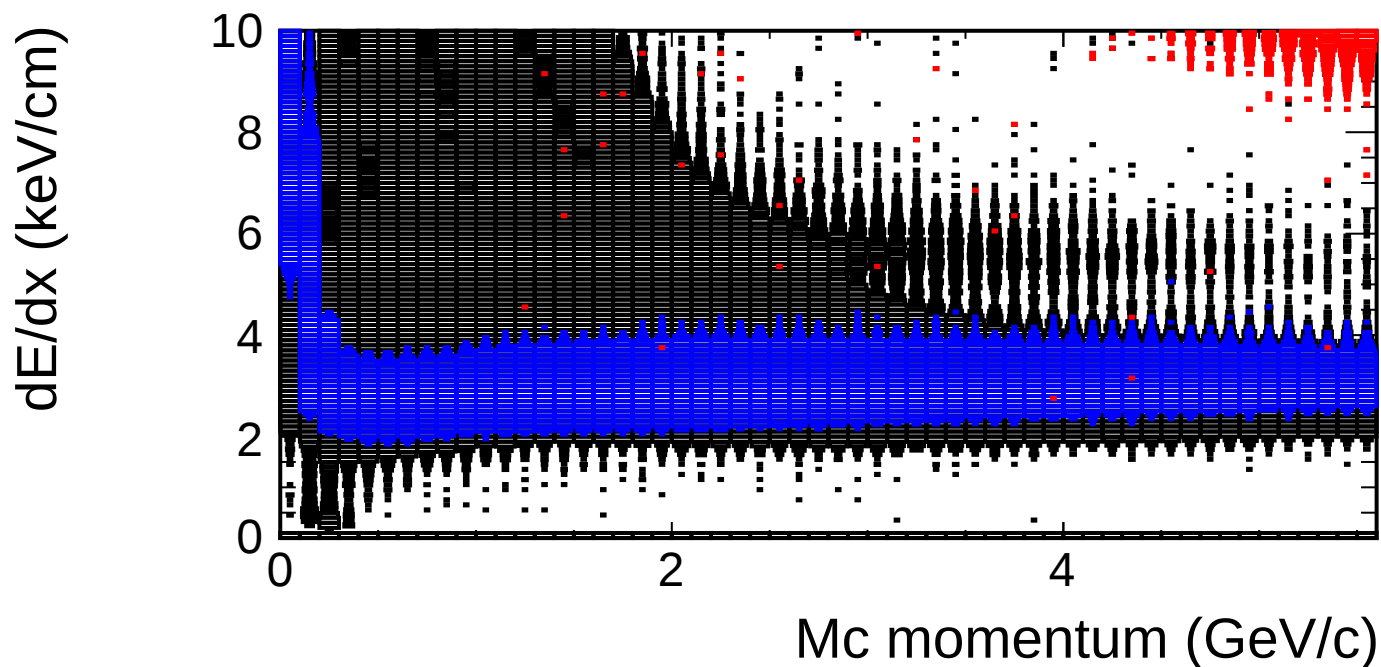
— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

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

Mean/ σ of dE/dx vs momentum



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



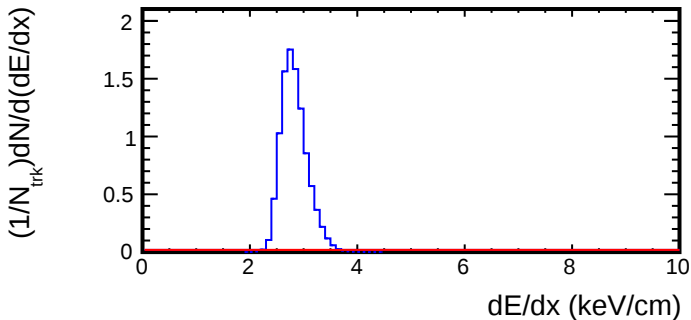
— Daughter alpha (from H4Lambda) (CONTAM, geantid=47)

— Real data

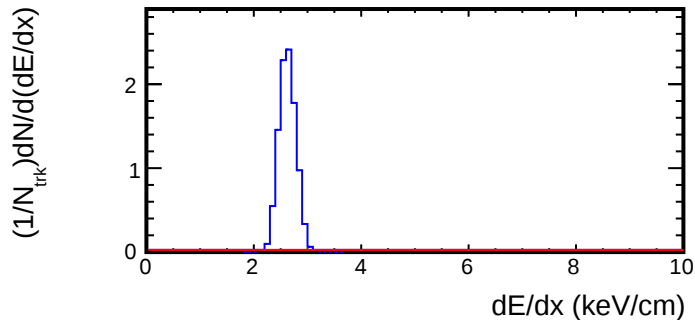
— Real data with PID cut ($\sigma < 2$) TPC

Projection of dE/dx for each p bin

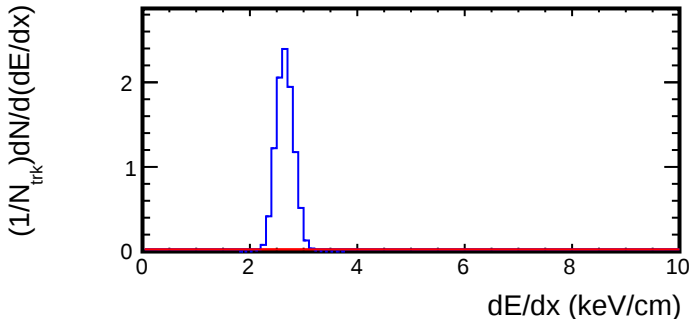
< Mc p < 0.4 GeV/c



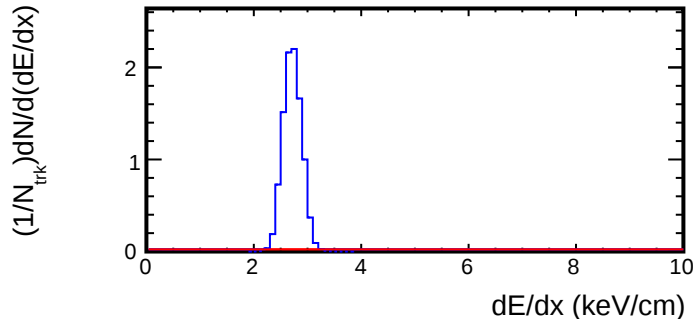
< Mc p < 0.6 GeV/c



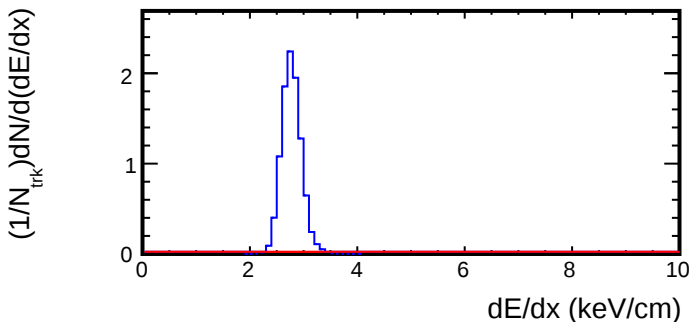
< Mc p < 0.8 GeV/c



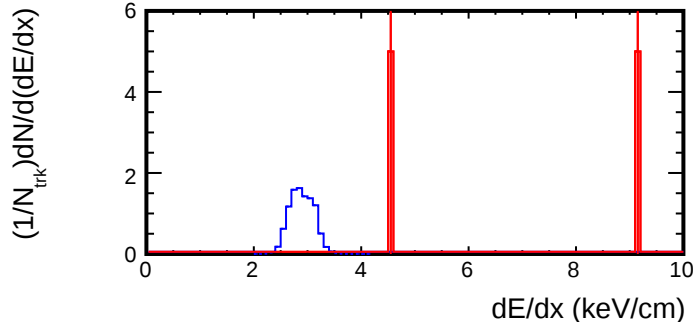
< Mc p < 1.0 GeV/c



< Mc p < 1.2 GeV/c



< Mc p < 1.4 GeV/c

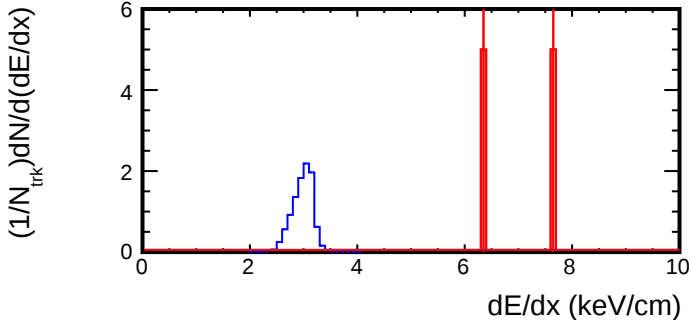


— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

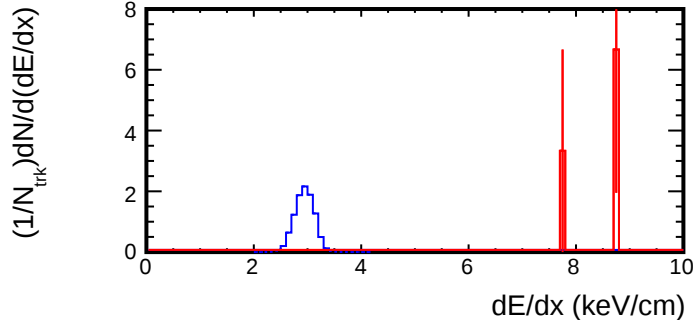
— pi+
(PRIMARY, $|n\sigma_{\text{pi}+}| < 2$ TPC)

Projection of dE/dx for each p bin

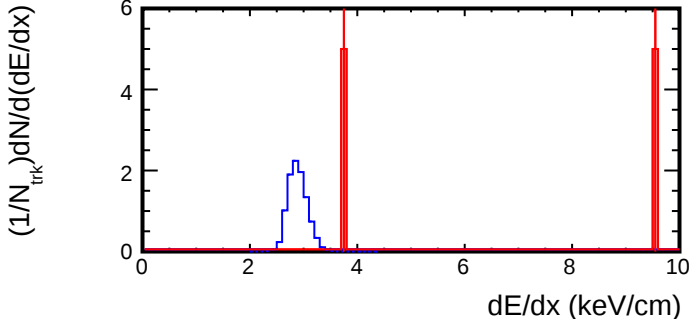
< Mc p < 1.6 GeV/c



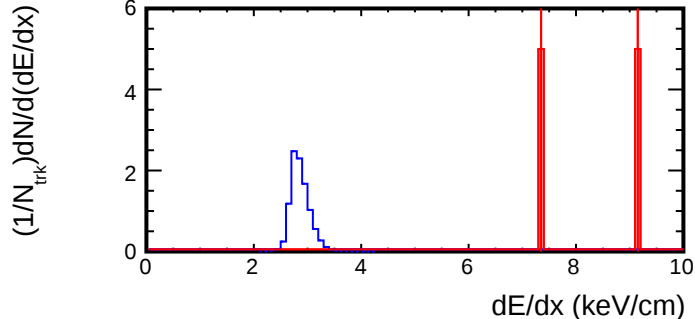
< Mc p < 1.8 GeV/c



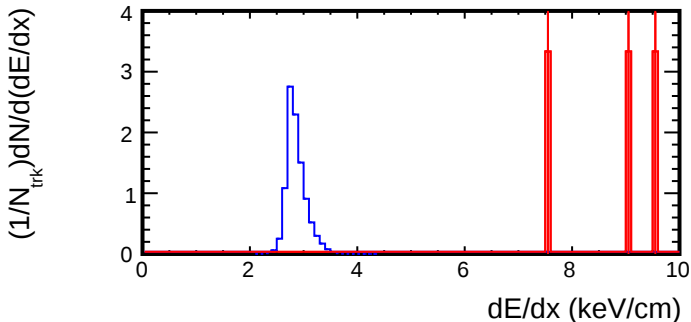
< Mc p < 2.0 GeV/c



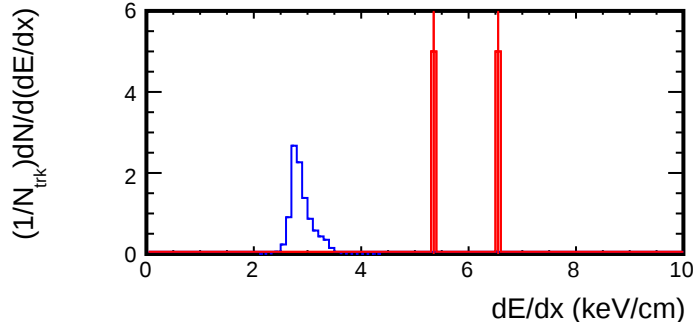
< Mc p < 2.2 GeV/c



< Mc p < 2.4 GeV/c



< Mc p < 2.6 GeV/c

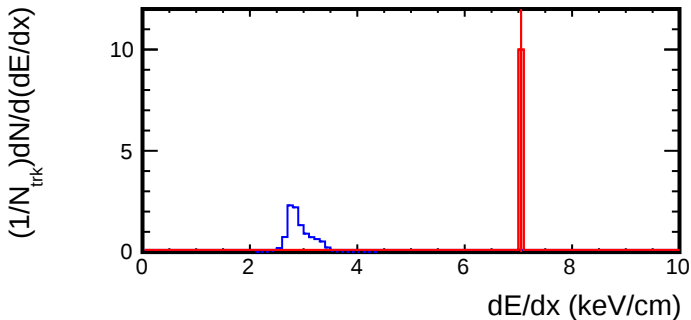


— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

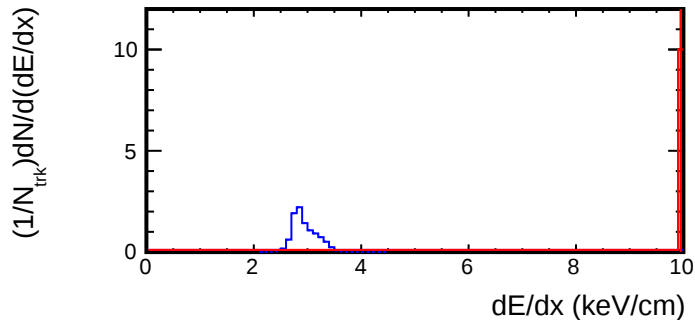
— pi+
(PRIMARY, |n σ_{pi+}| < 2 TPC)

Projection of dE/dx for each p bin

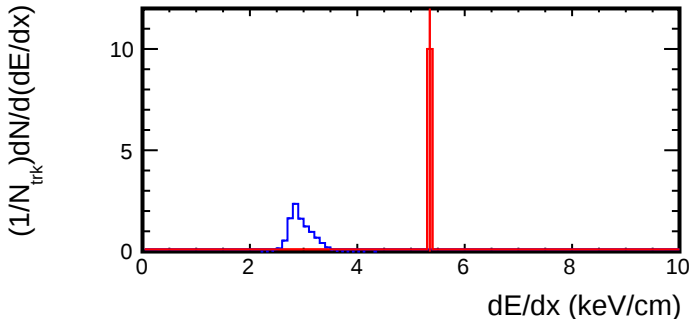
< Mc p < 2.8 GeV/c



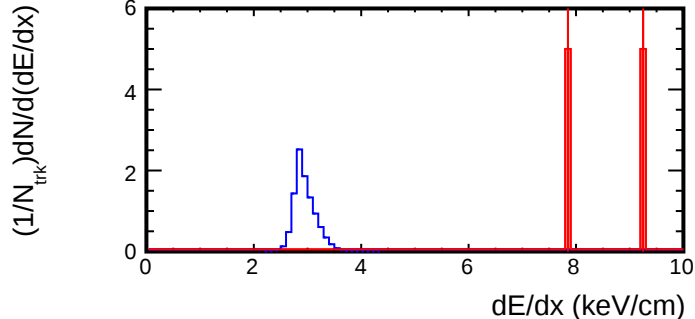
< Mc p < 3.0 GeV/c



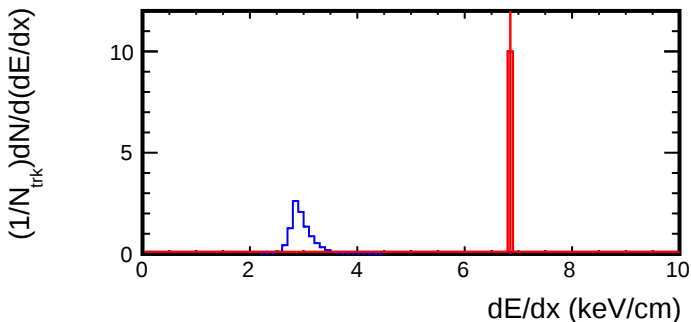
< Mc p < 3.2 GeV/c



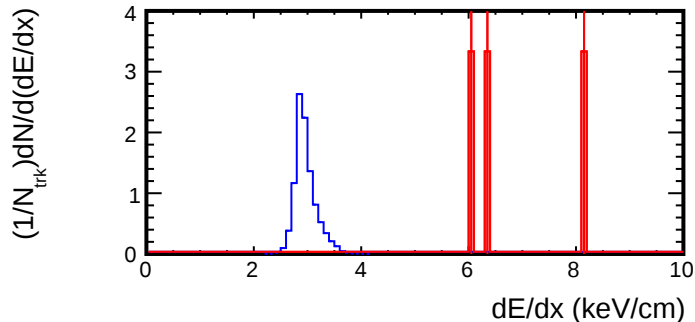
< Mc p < 3.4 GeV/c



< Mc p < 3.6 GeV/c



< Mc p < 3.8 GeV/c

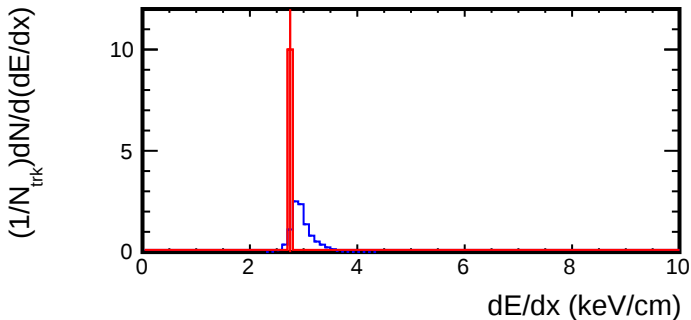


— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

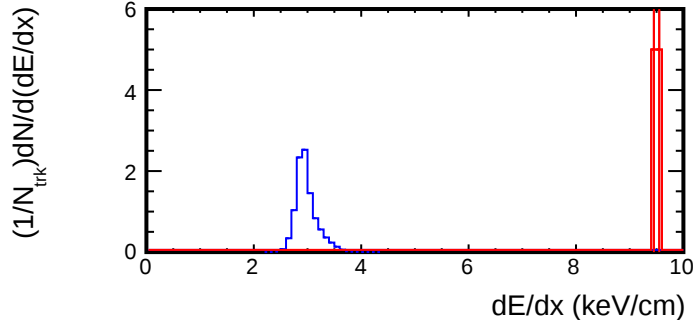
— pi+
(PRIMARY, $|n \sigma_{\text{pi}+}| < 2$ TPC)

Projection of dE/dx for each p bin

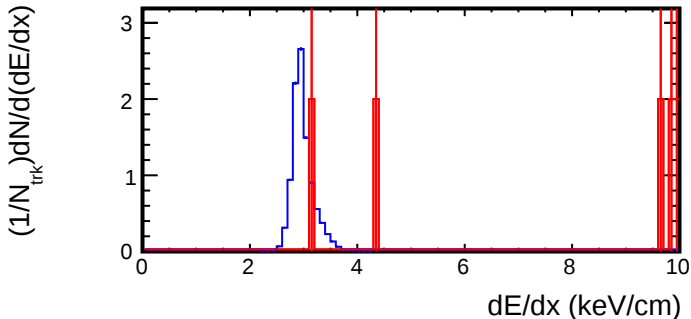
< Mc p < 4.0 GeV/c



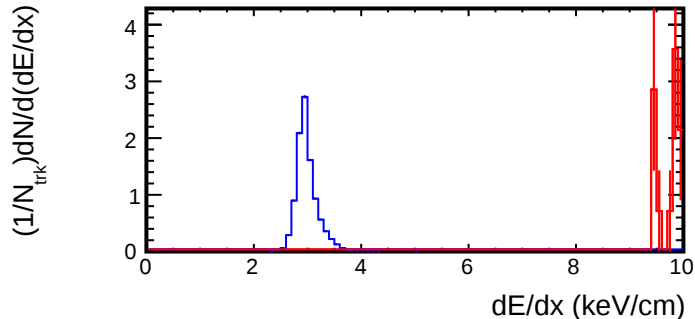
< Mc p < 4.2 GeV/c



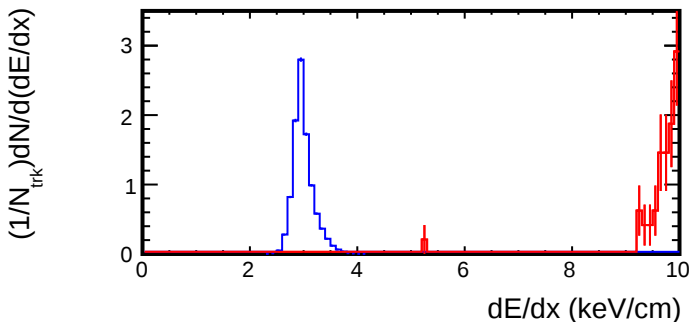
< Mc p < 4.4 GeV/c



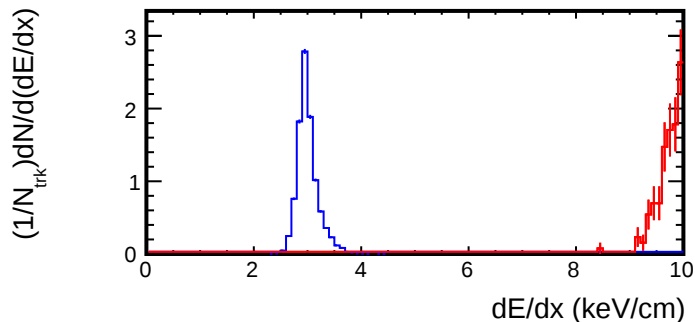
< Mc p < 4.6 GeV/c



< Mc p < 4.8 GeV/c

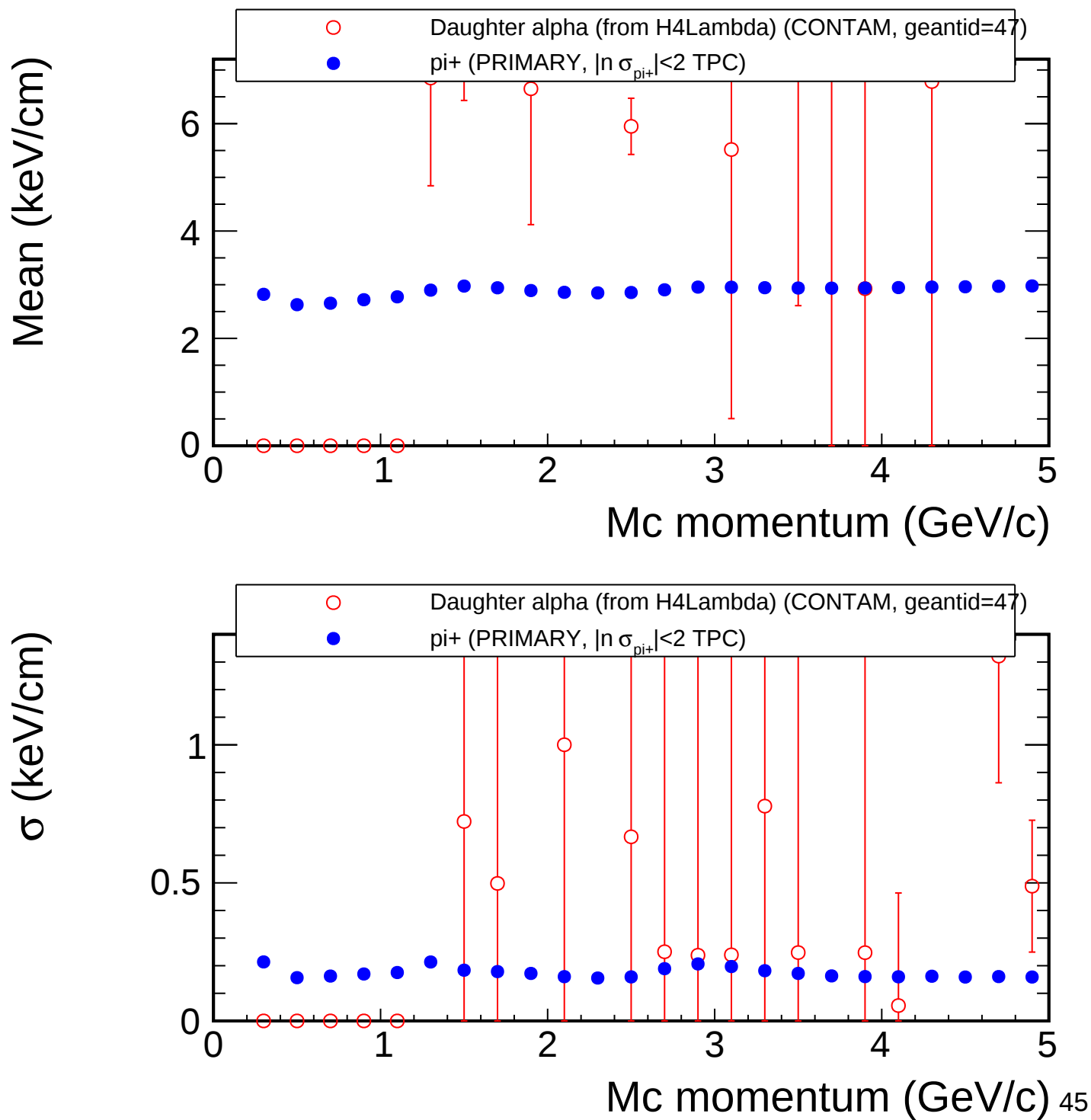


< Mc p < 5.0 GeV/c

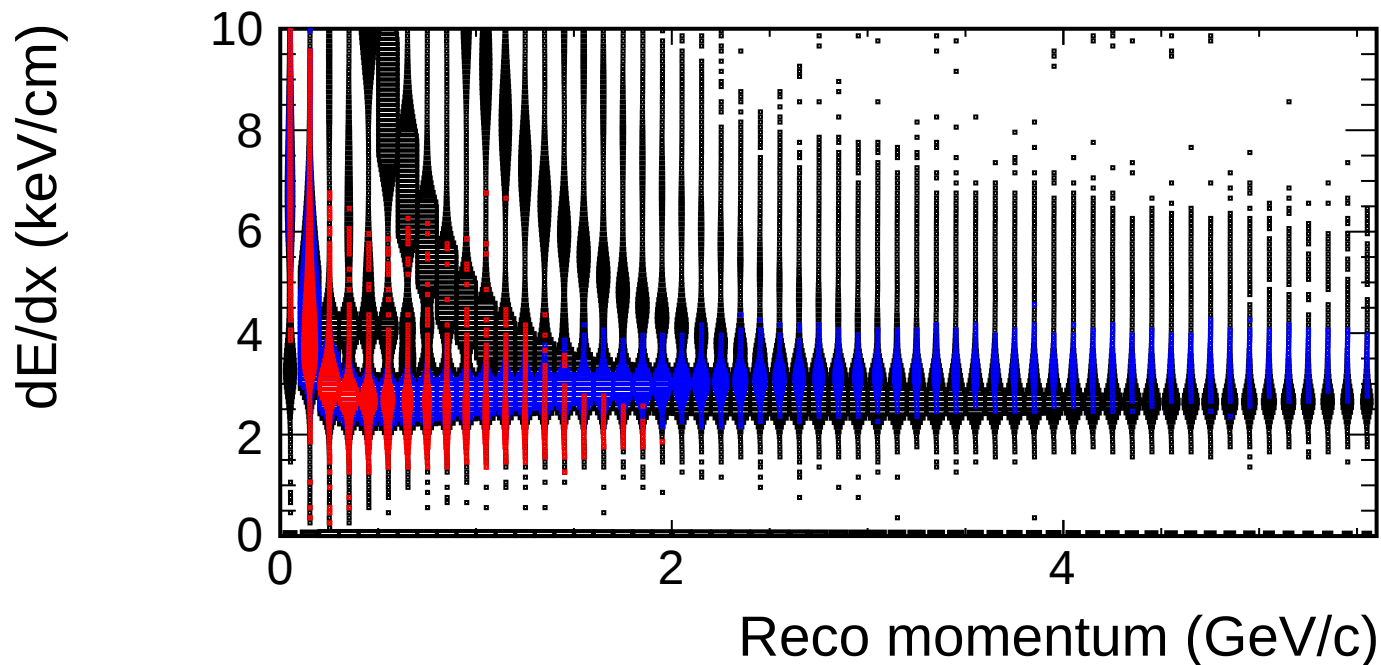


— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

Mean/ σ of dE/dx vs momentum

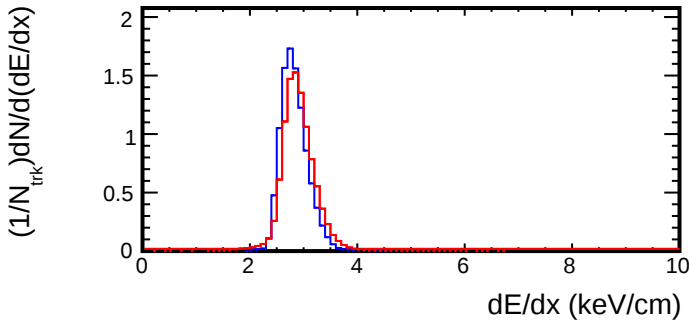
dE/dx vs momentum (Embedding:pi-, Real:pi-)



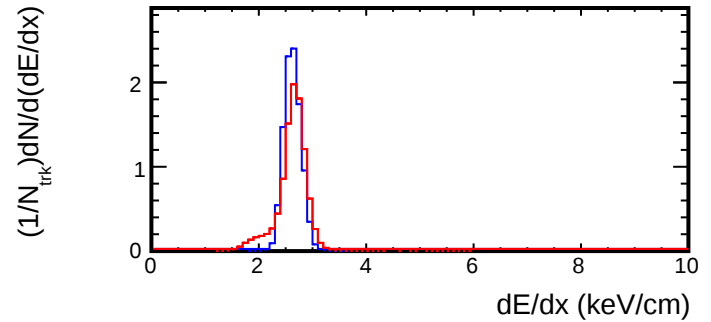
- Daughter π^- (from H4Lambda) (CONTAM, geantid=9)
- Real data
- Real data with PID cut ($\sigma < 2$) TPC

Projection of dE/dx for each p bin

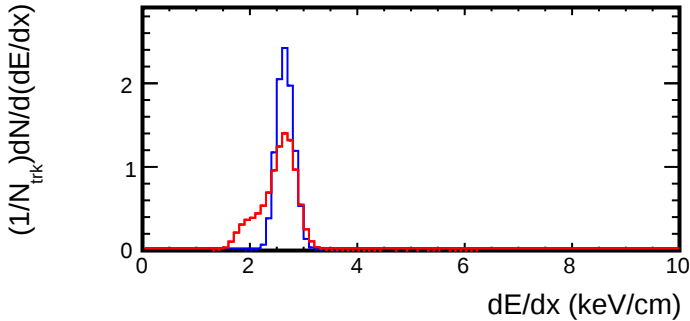
Reco p < 0.4 GeV/c



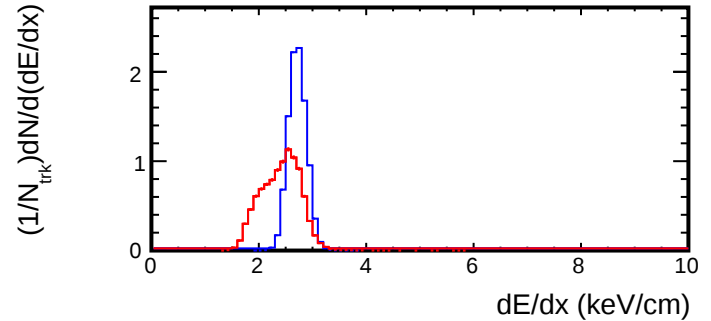
Reco p < 0.6 GeV/c



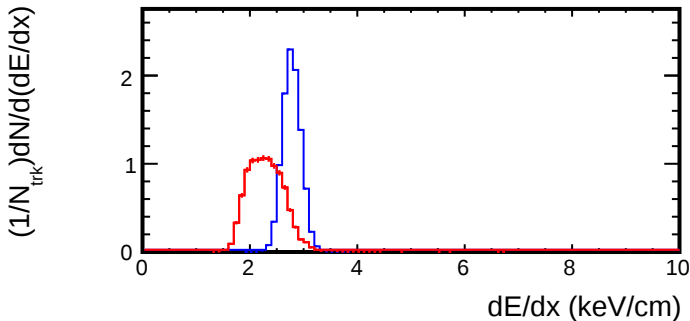
Reco p < 0.8 GeV/c



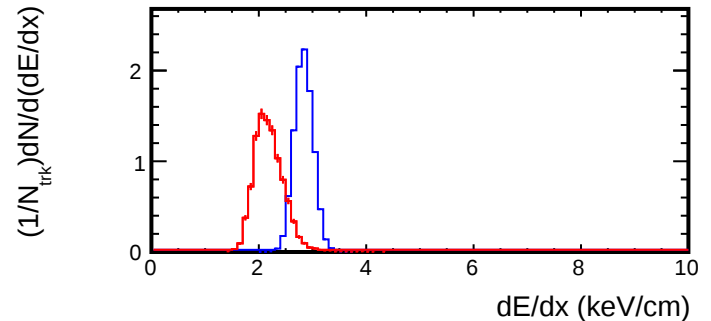
Reco p < 1.0 GeV/c



Reco p < 1.2 GeV/c



Reco p < 1.4 GeV/c

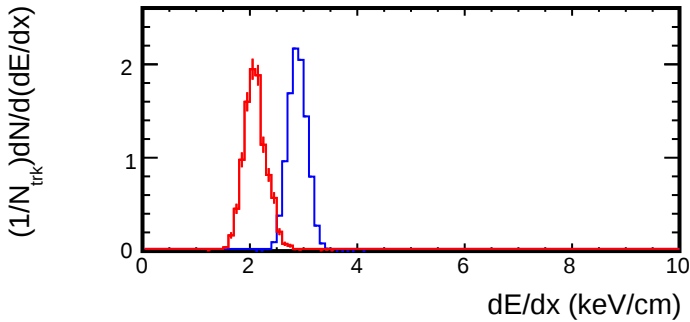


— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

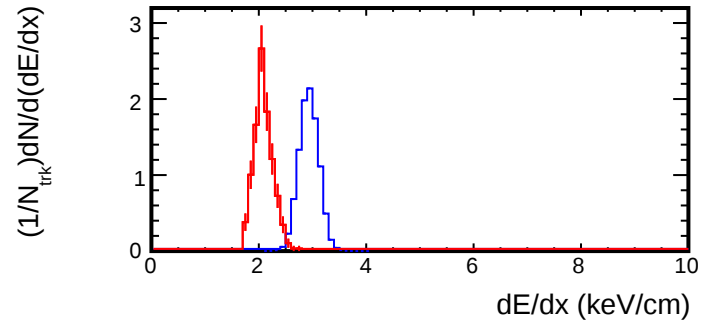
— pi-
(PRIMARY, $|n\sigma_{\text{pi-}}| < 2$ TPC)

Projection of dE/dx for each p bin

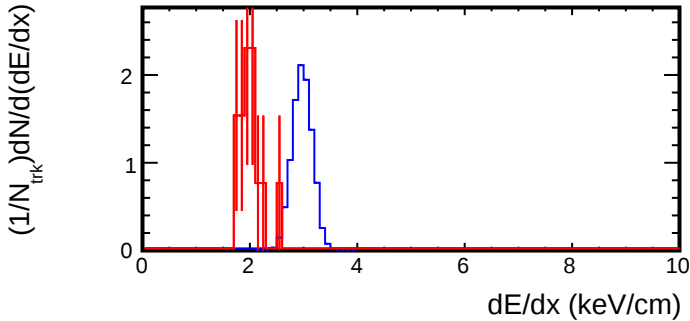
Reco p < 1.6 GeV/c



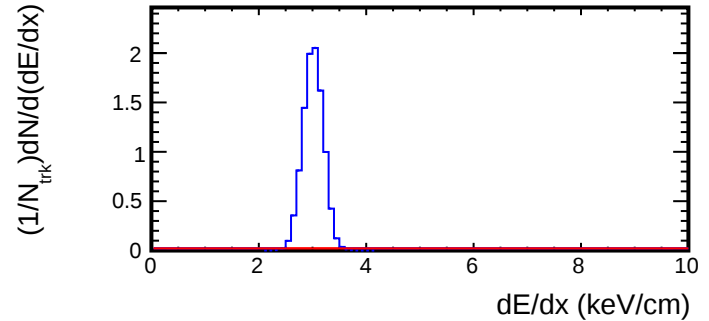
Reco p < 1.8 GeV/c



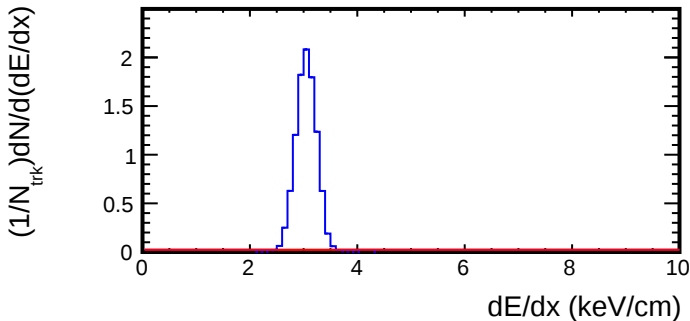
Reco p < 2.0 GeV/c



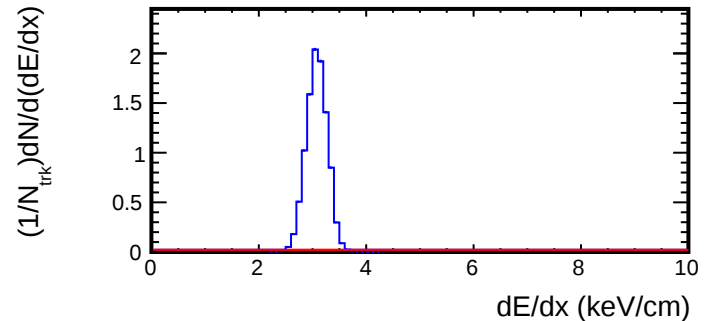
Reco p < 2.2 GeV/c



Reco p < 2.4 GeV/c



Reco p < 2.6 GeV/c

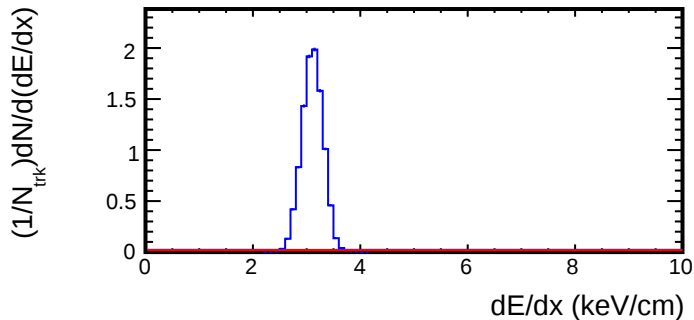


— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

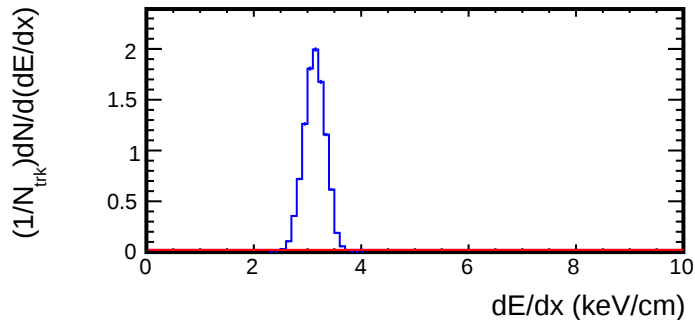
— pi-
(PRIMARY, $|n \sigma_{\pi^-}| < 2$ TPC)

Projection of dE/dx for each p bin

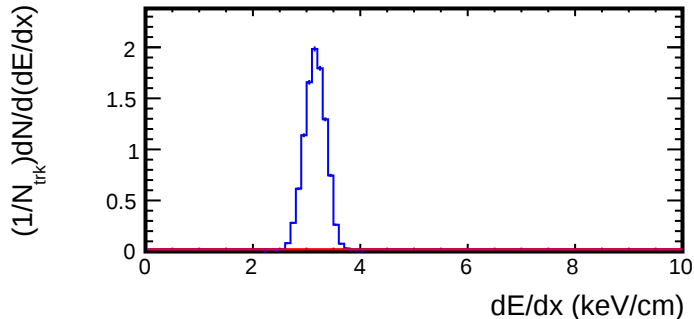
Reco p < 2.8 GeV/c



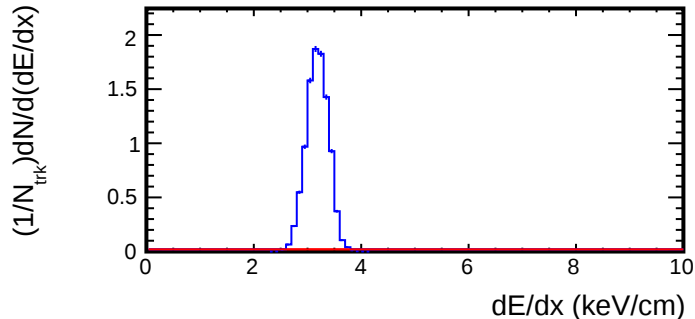
Reco p < 3.0 GeV/c



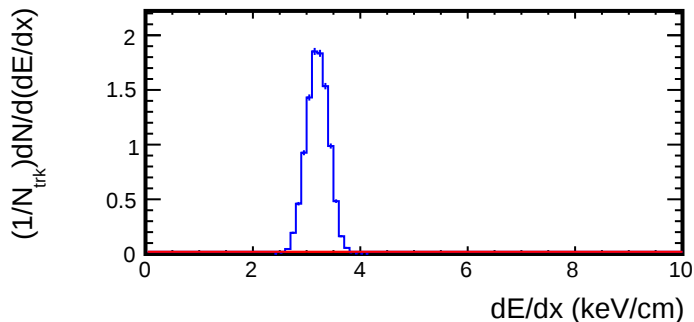
Reco p < 3.2 GeV/c



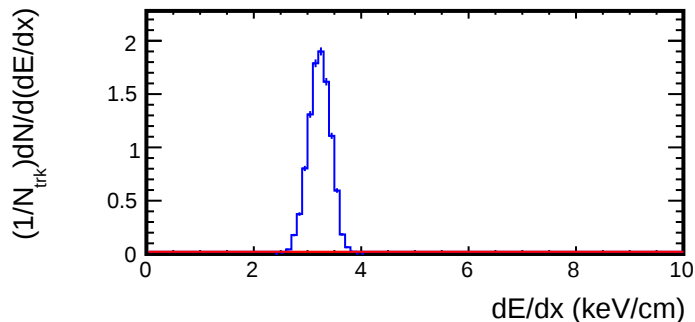
Reco p < 3.4 GeV/c



Reco p < 3.6 GeV/c



Reco p < 3.8 GeV/c

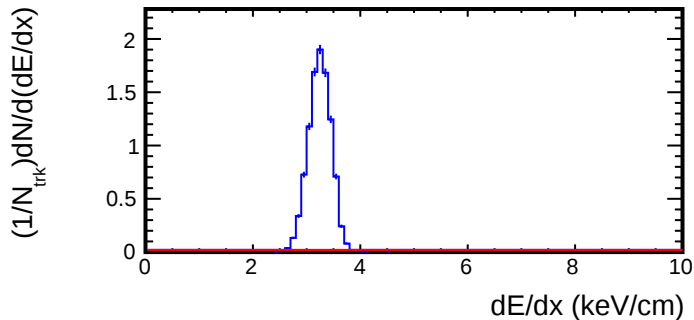


— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

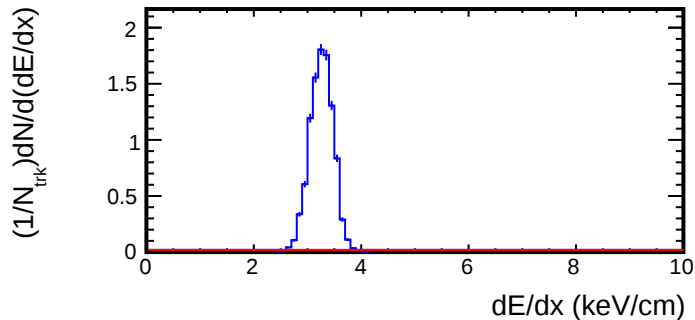
— pi-
(PRIMARY, $|n \sigma_{\text{pi-}}| < 2$ TPC)

Projection of dE/dx for each p bin

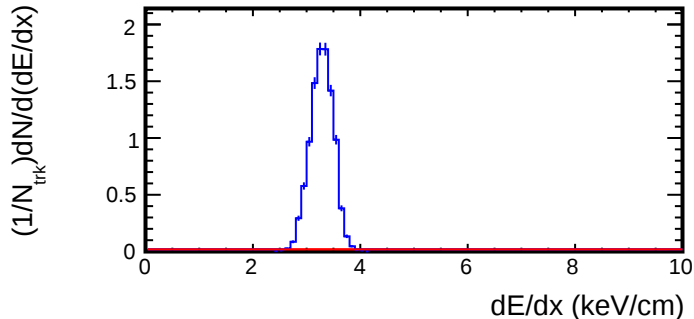
Reco p < 4.0 GeV/c



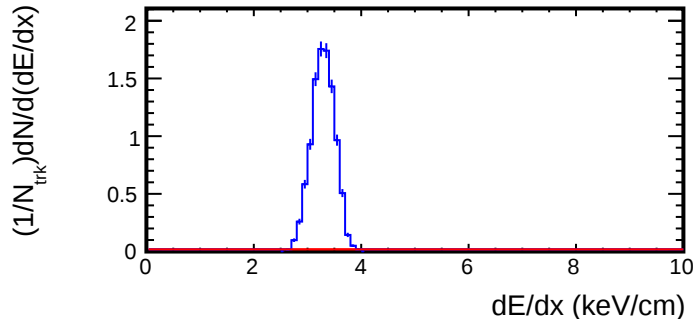
Reco p < 4.2 GeV/c



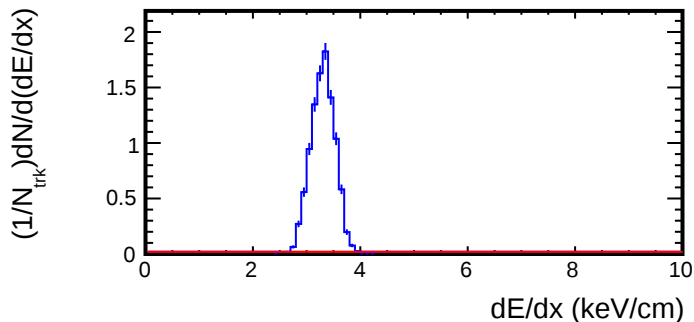
Reco p < 4.4 GeV/c



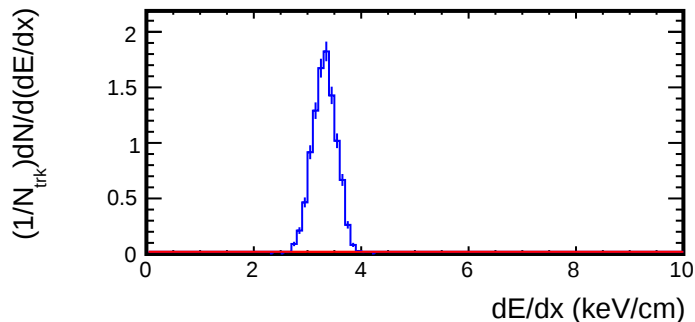
Reco p < 4.6 GeV/c



Reco p < 4.8 GeV/c

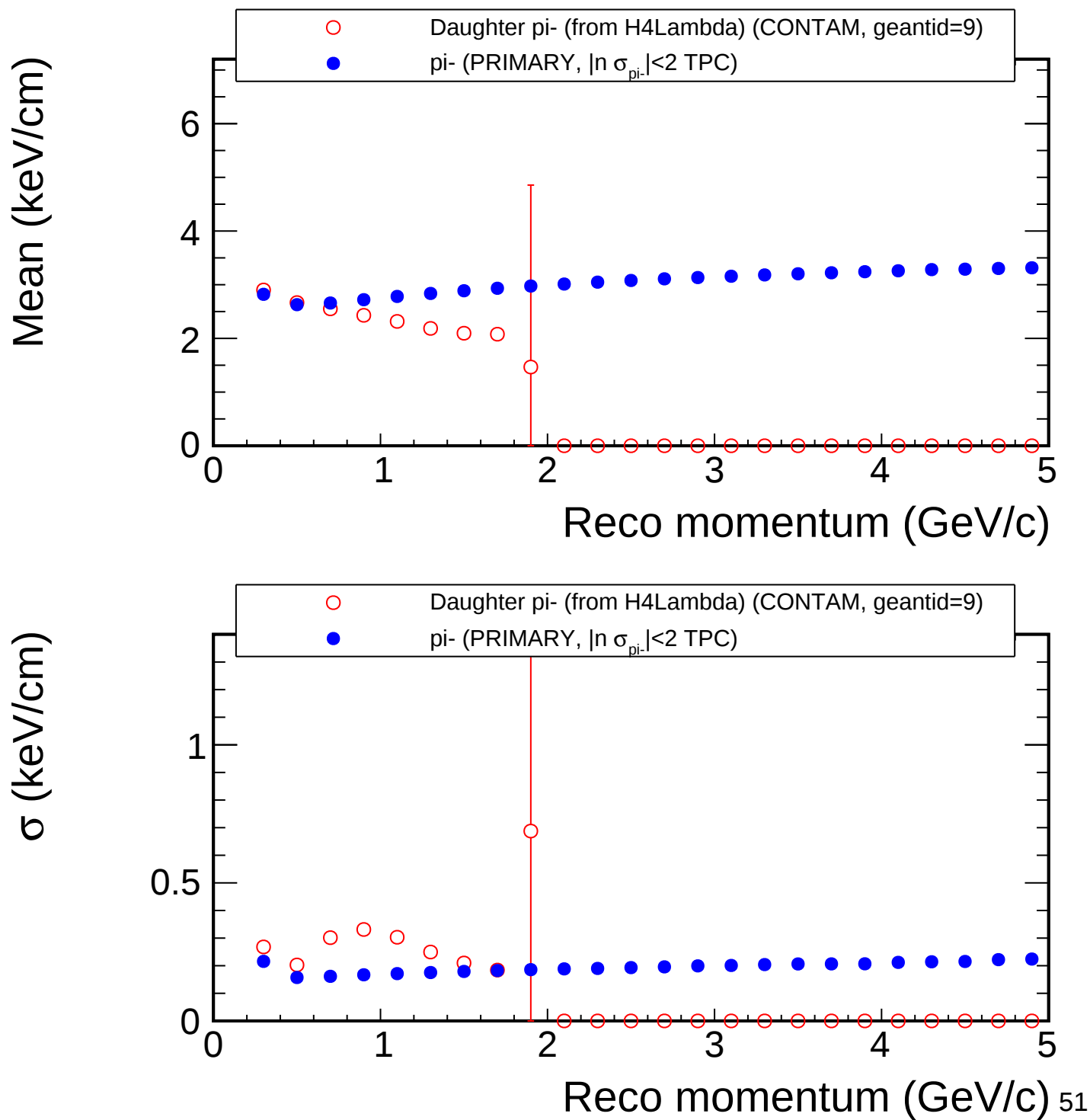


Reco p < 5.0 GeV/c

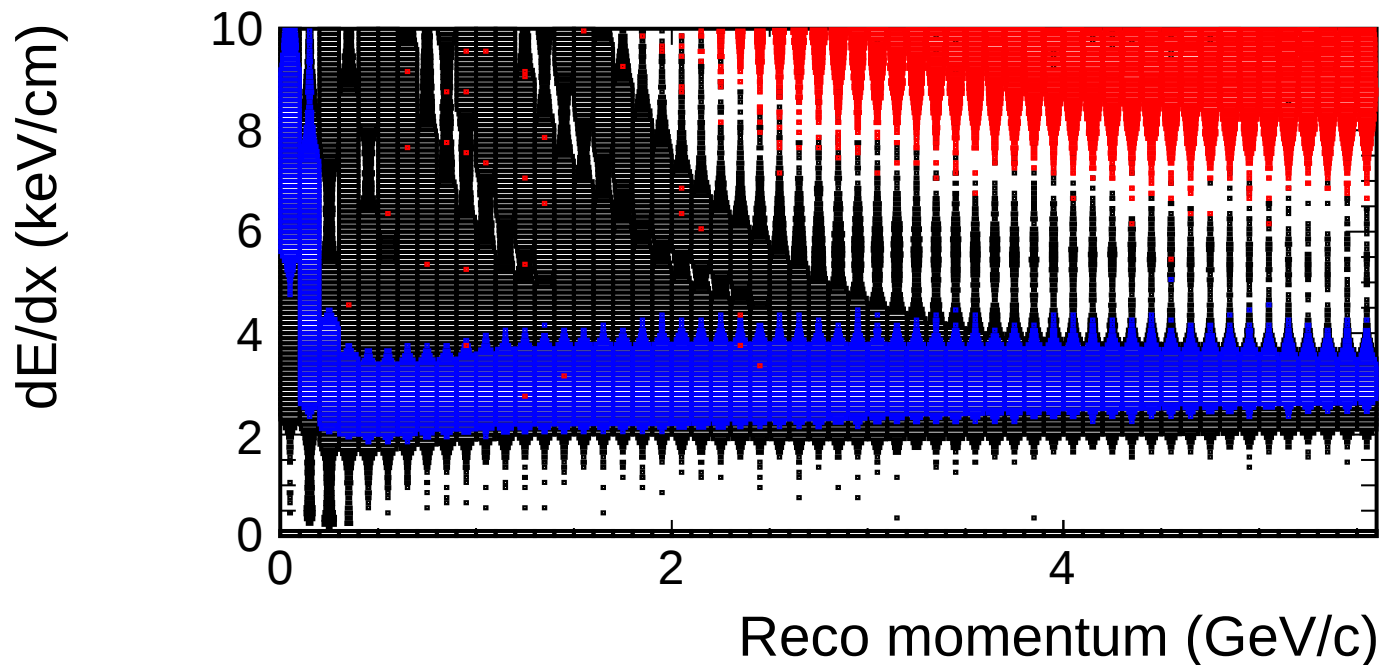


— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

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

Mean/ σ of dE/dx vs momentum

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



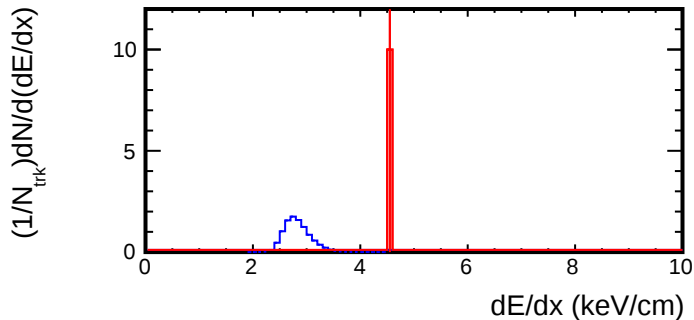
— Daughter alpha (from H4Lambda) (CONTAM, geantid=47)

— Real data

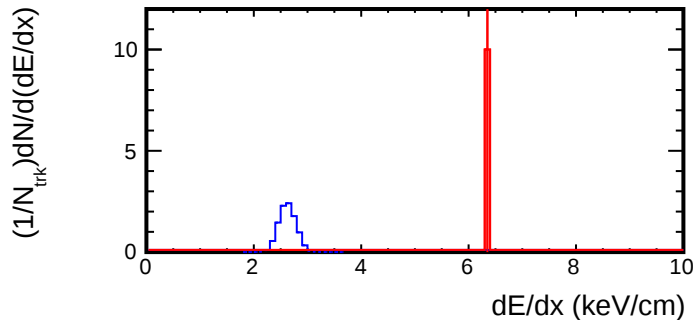
— Real data with PID cut ($\sigma < 2$) TPC

Projection of dE/dx for each p bin

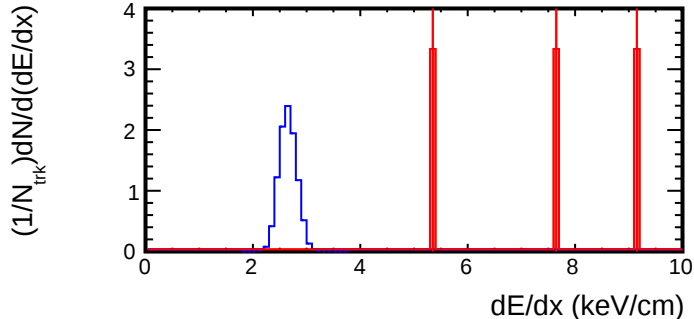
Reco p < 0.4 GeV/c



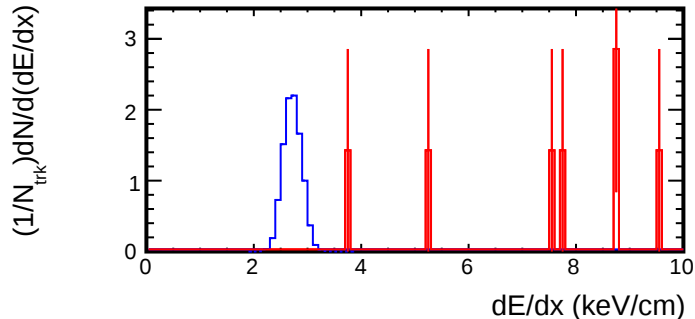
Reco p < 0.6 GeV/c



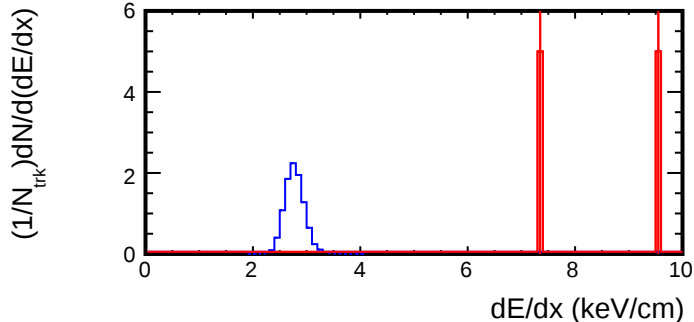
Reco p < 0.8 GeV/c



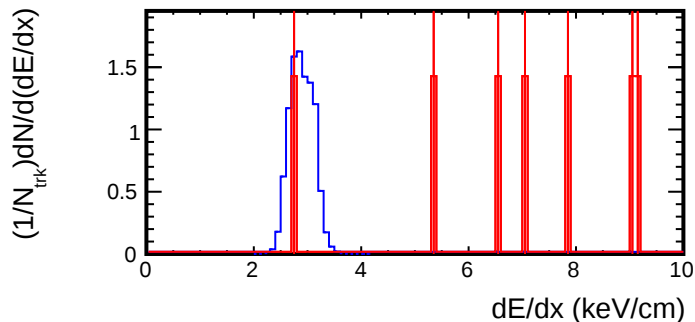
Reco p < 1.0 GeV/c



Reco p < 1.2 GeV/c



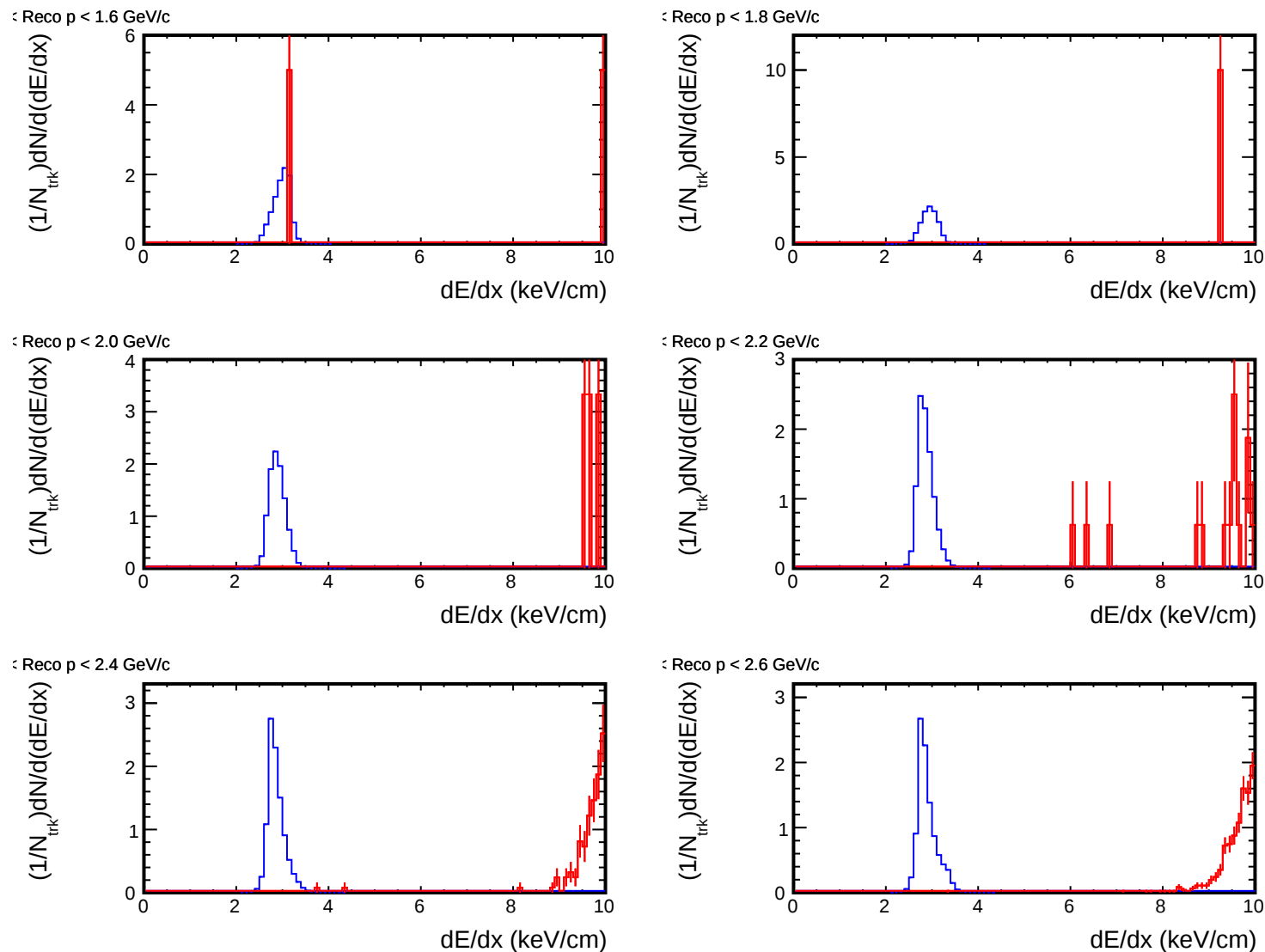
Reco p < 1.4 GeV/c



— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

Projection of dE/dx for each p bin

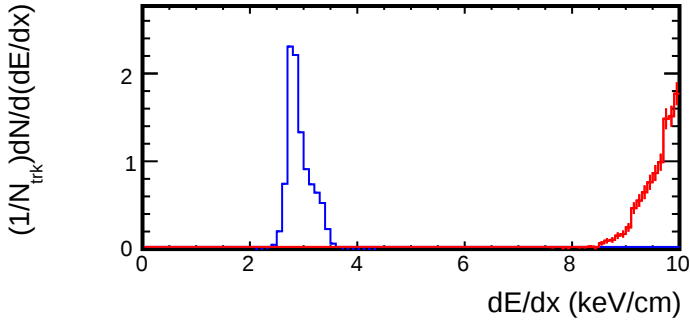


— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

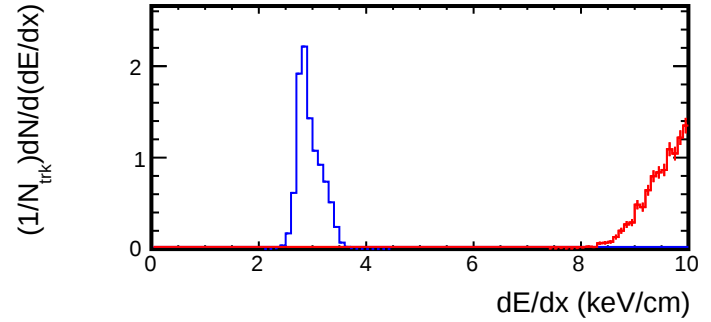
— pi+
(PRIMARY, $|n \sigma_{\text{pi}+}| < 2$ TPC)

Projection of dE/dx for each p bin

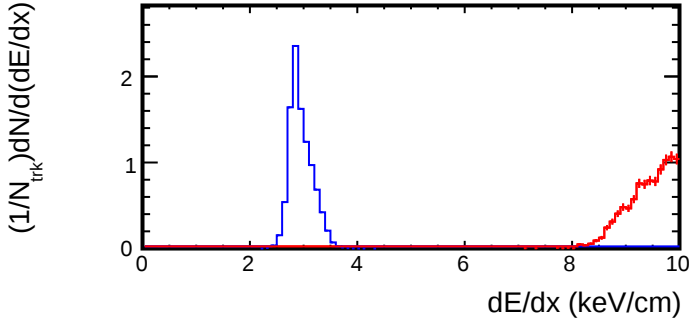
Reco p < 2.8 GeV/c



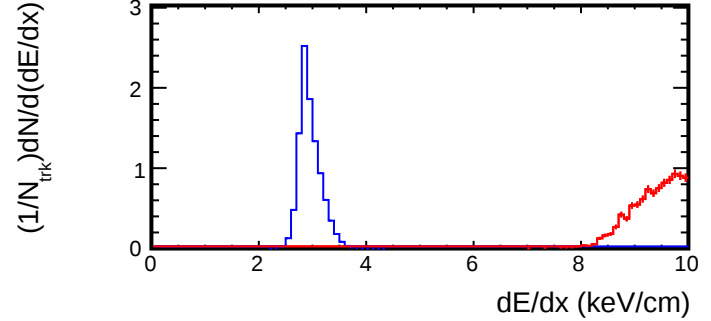
Reco p < 3.0 GeV/c



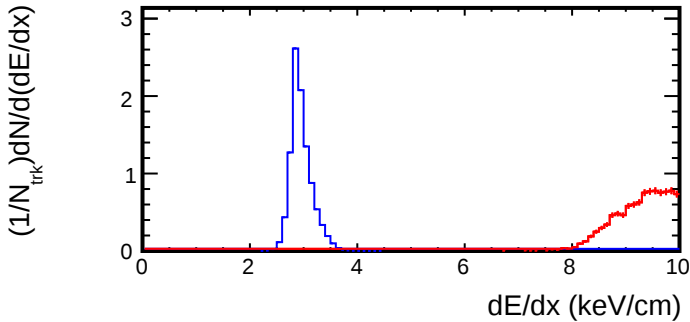
Reco p < 3.2 GeV/c



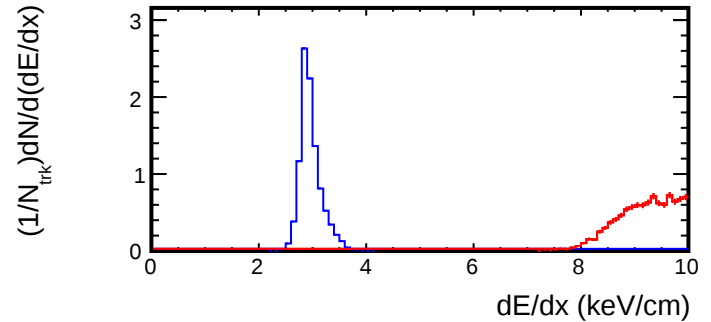
Reco p < 3.4 GeV/c



Reco p < 3.6 GeV/c



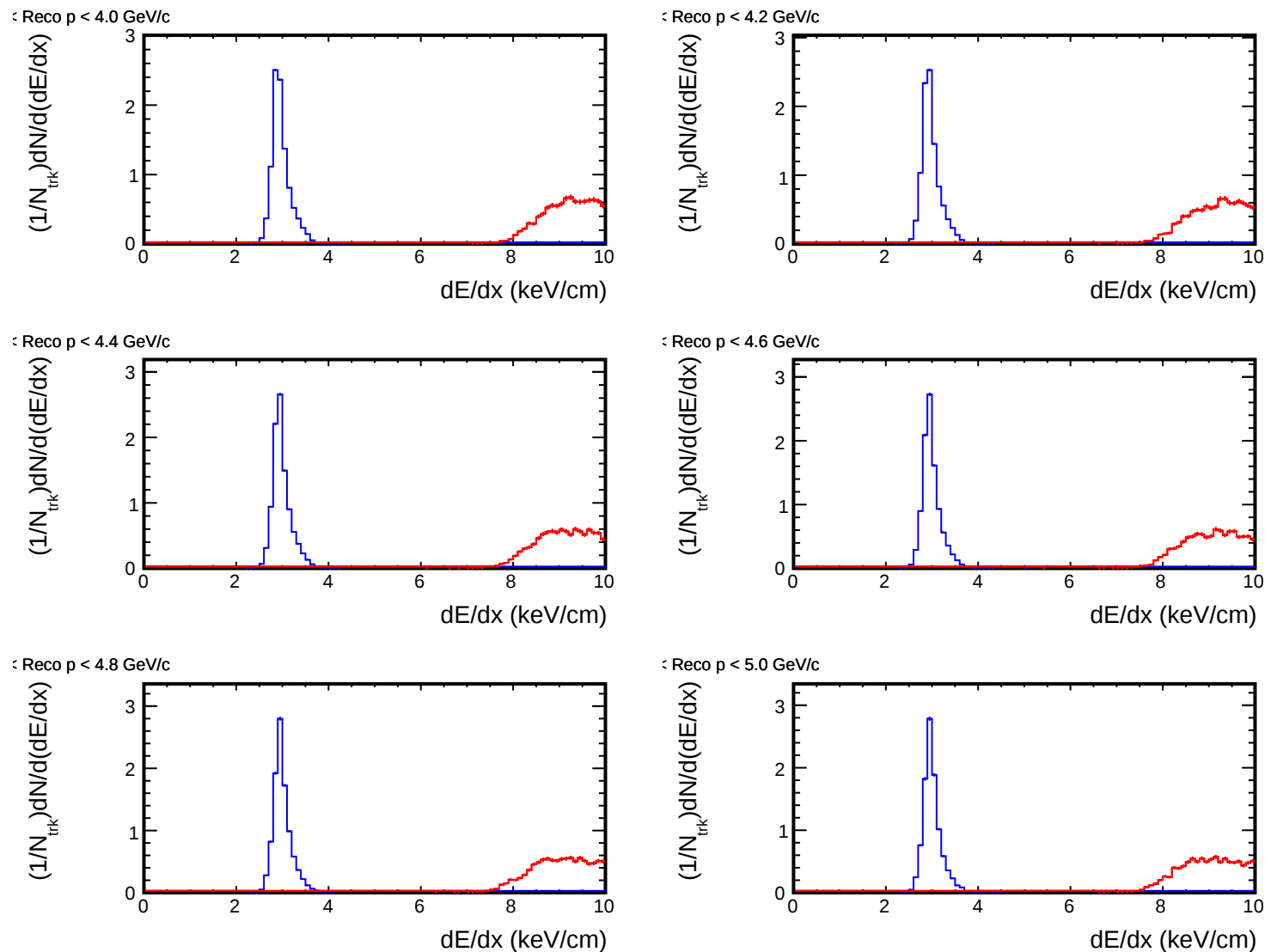
Reco p < 3.8 GeV/c



— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

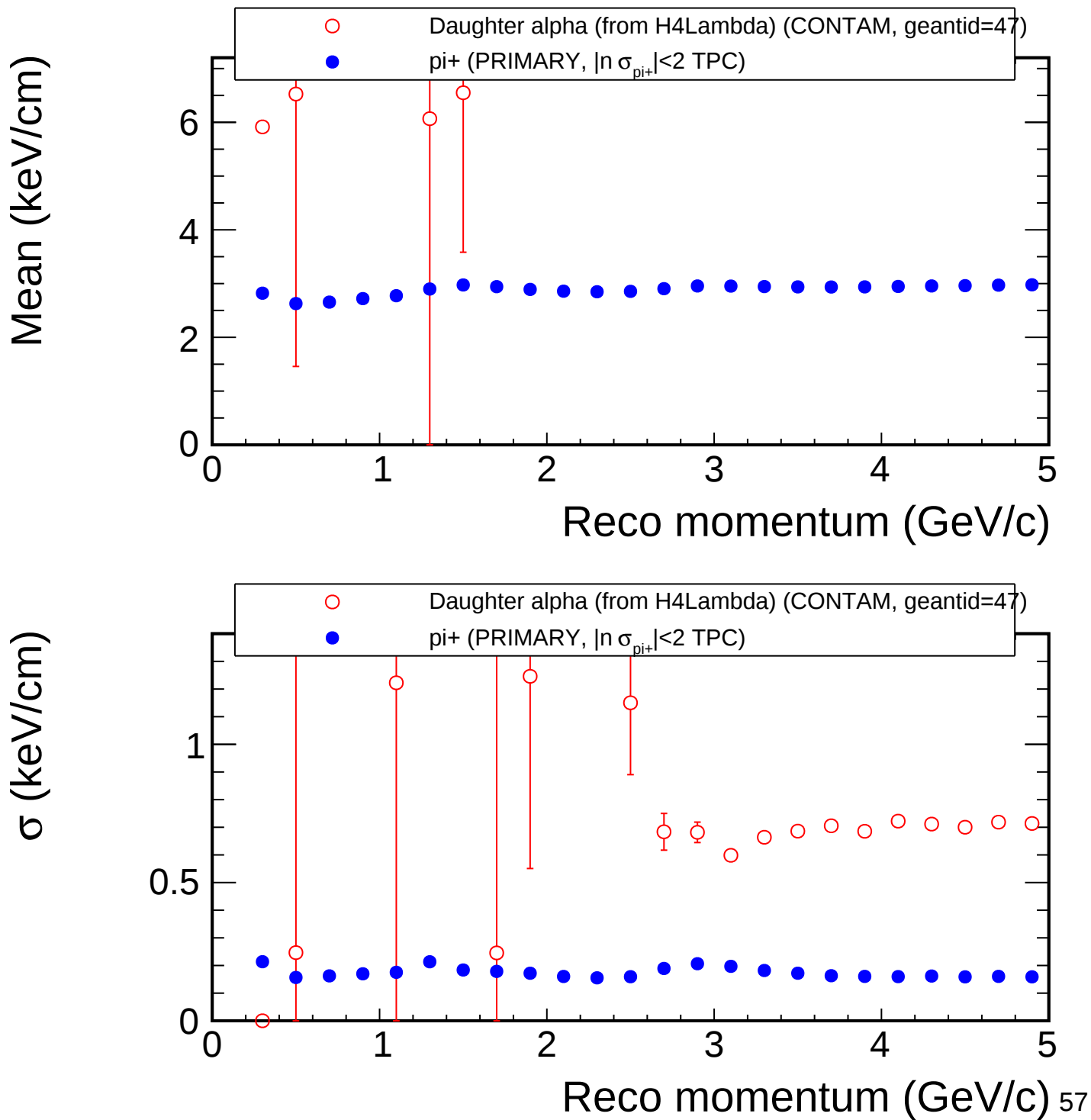
Projection of dE/dx for each p bin

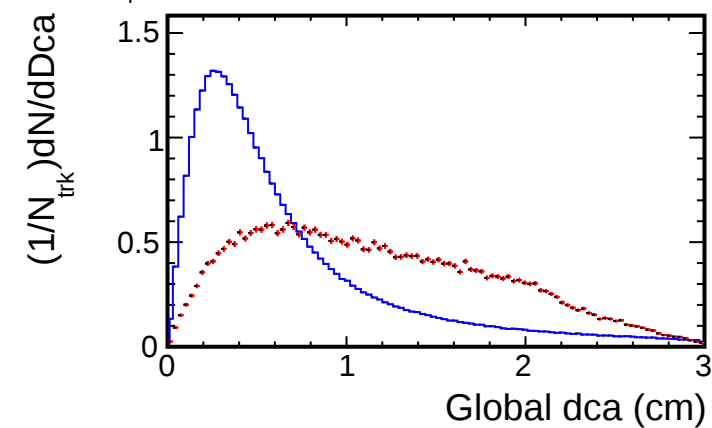
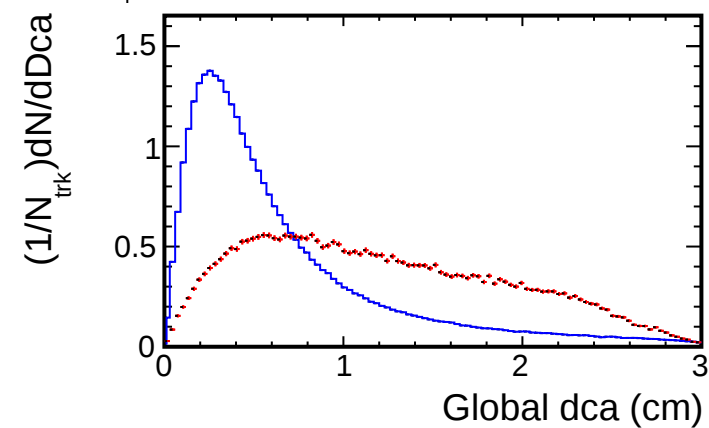
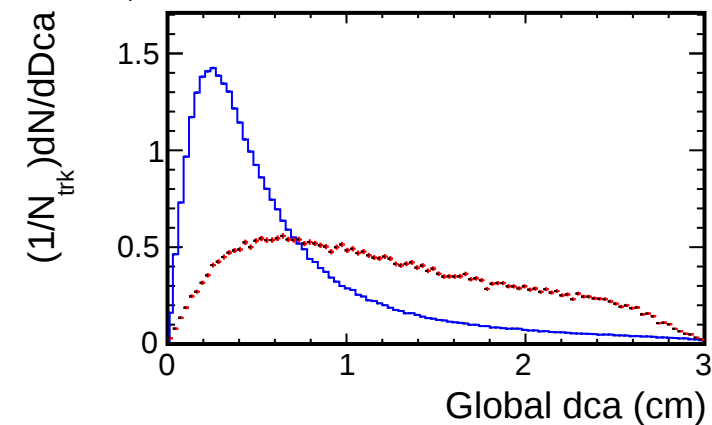
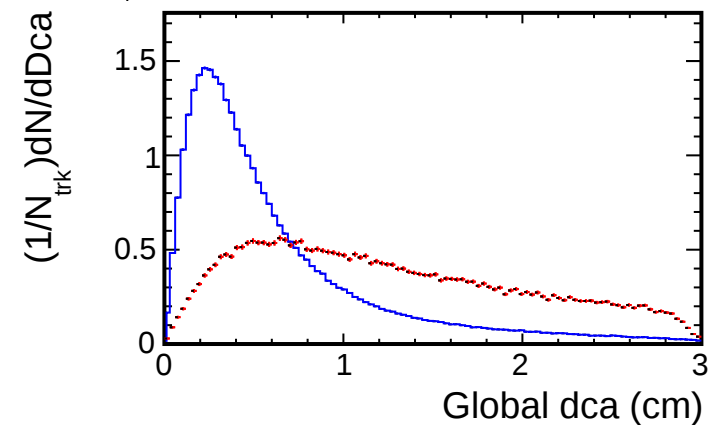
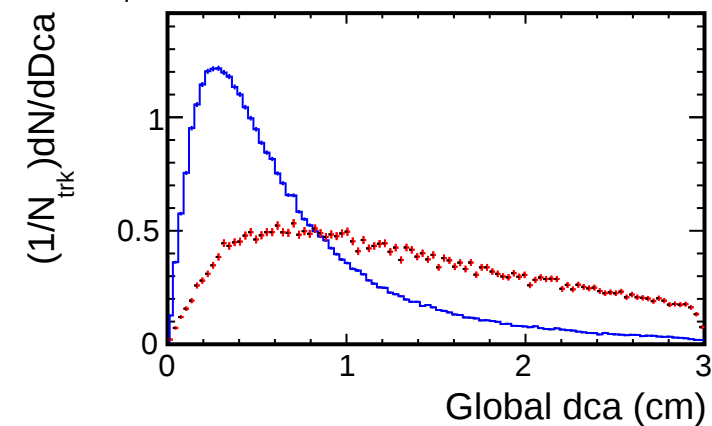


— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

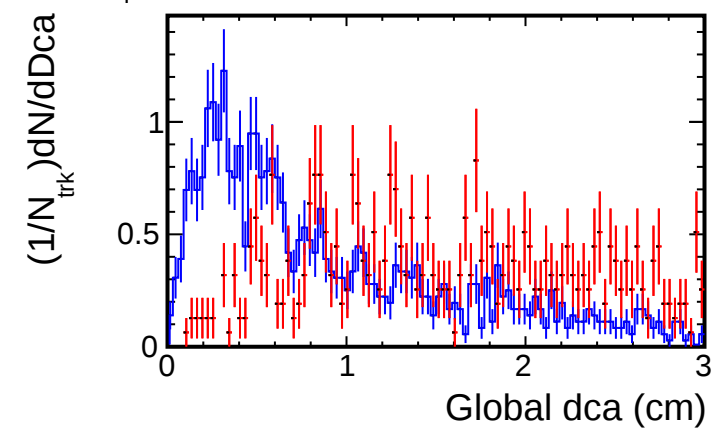
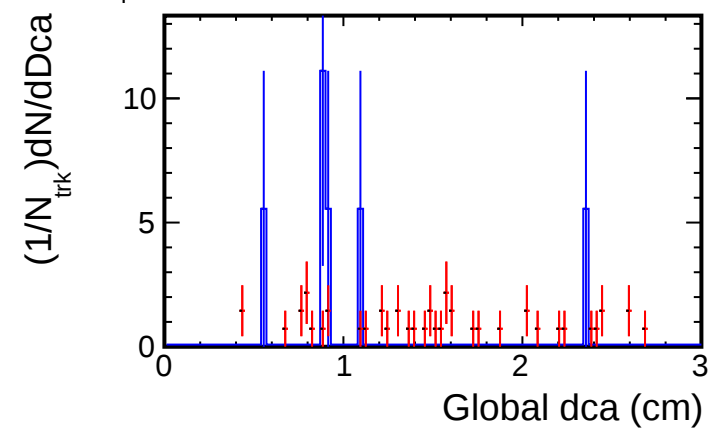
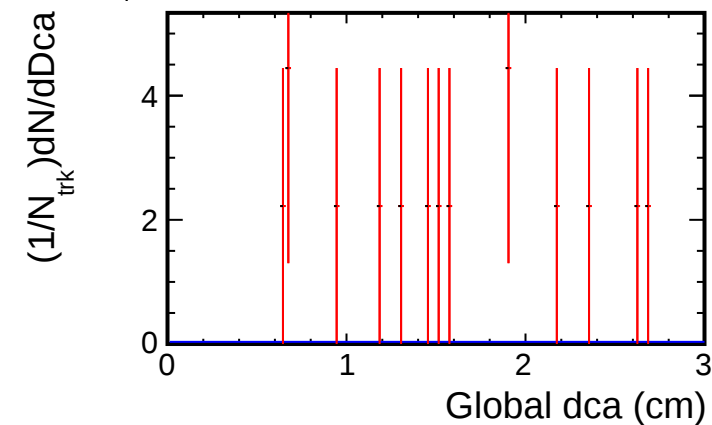
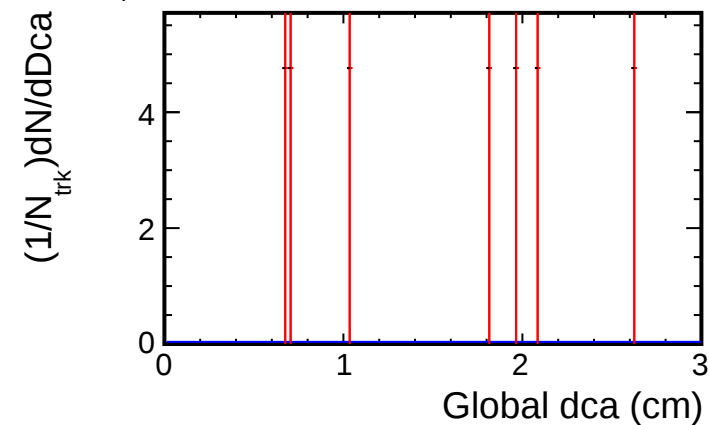
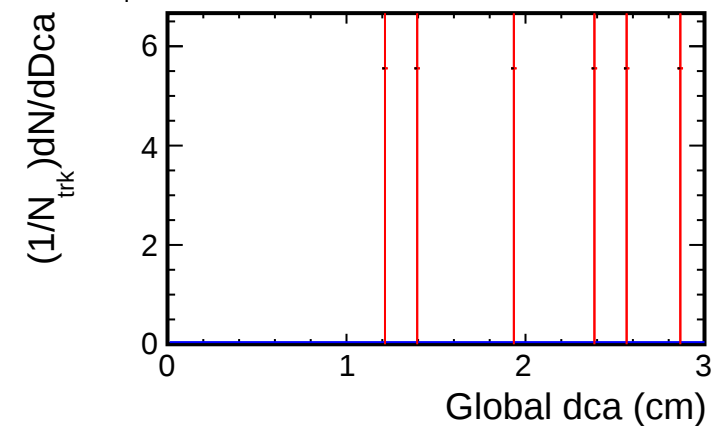
Mean/ σ of dE/dx vs momentum



Dca distribution for (p_T , η) slices $1.8, 0.1 < p_T < 0.5$ (GeV/c) $1.6, 0.1 < p_T < 0.5$ (GeV/c) $1.4, 0.1 < p_T < 0.5$ (GeV/c) $1.2, 0.1 < p_T < 0.5$ (GeV/c) $1.0, 0.1 < p_T < 0.5$ (GeV/c)

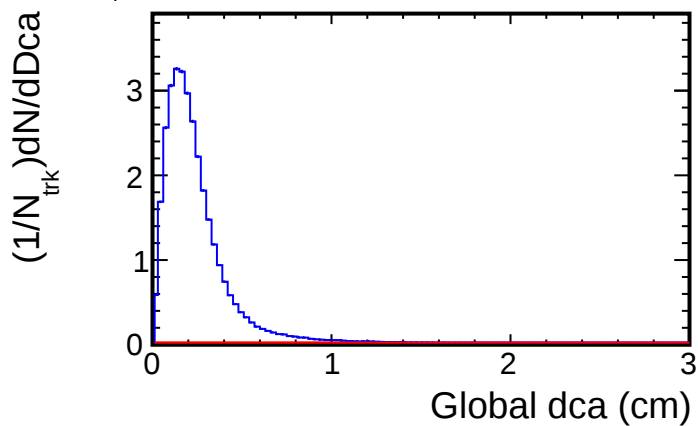
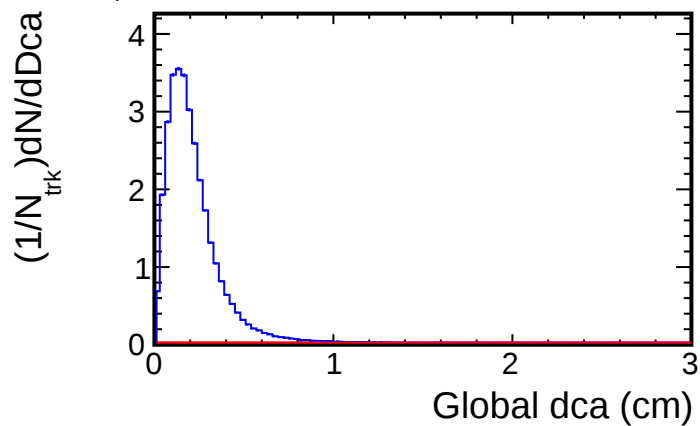
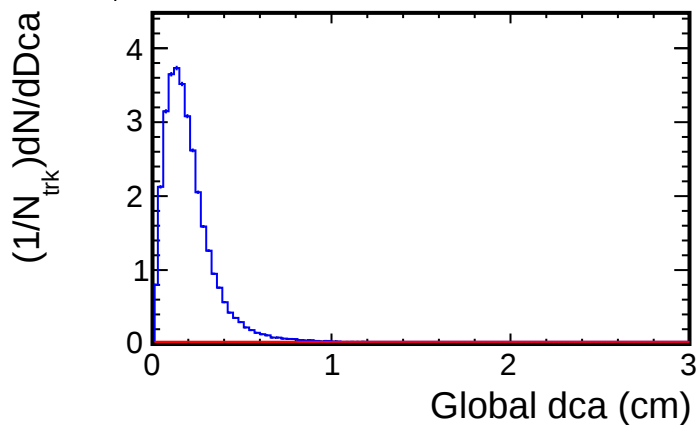
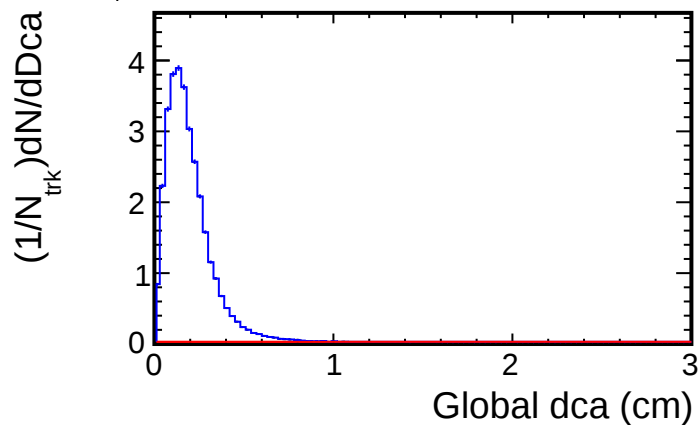
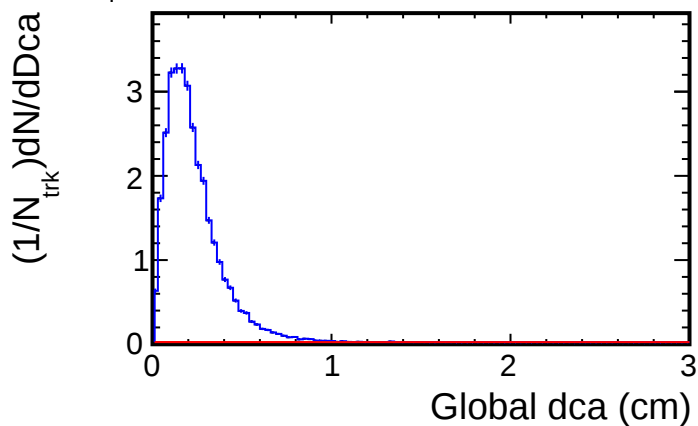
— Daughter π^- (from H4Lambda)
(CONTAM, geantid=9)

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

Dca distribution for (p_T , η) slices2, $0.1 < p_T < 0.5$ (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)

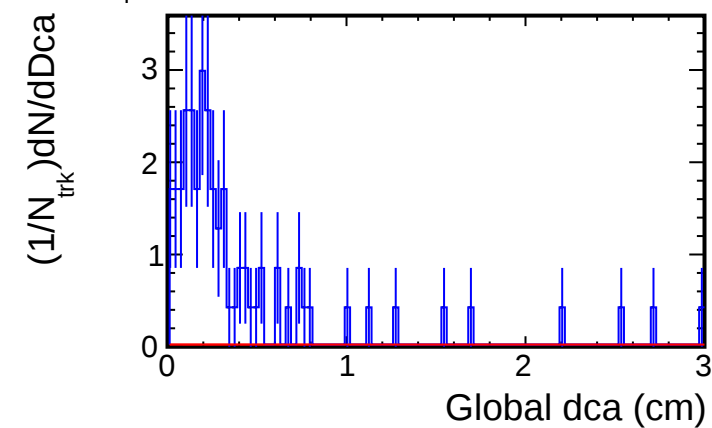
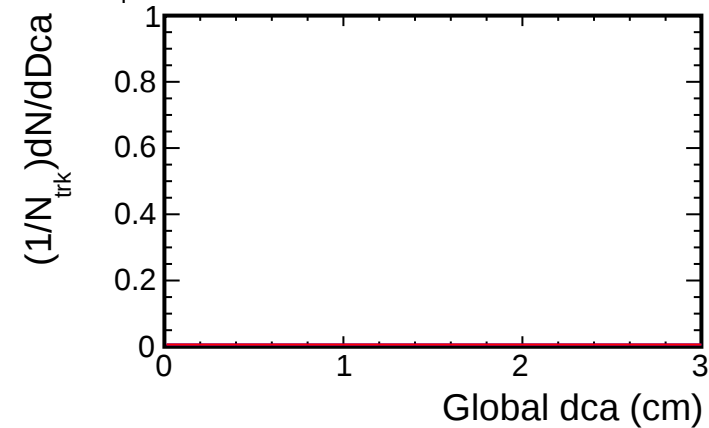
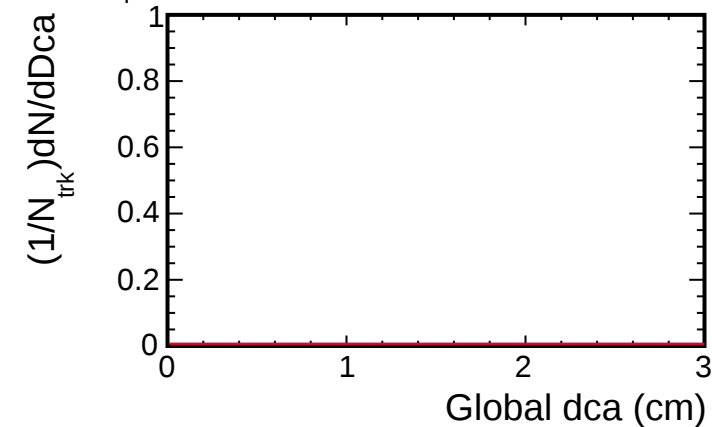
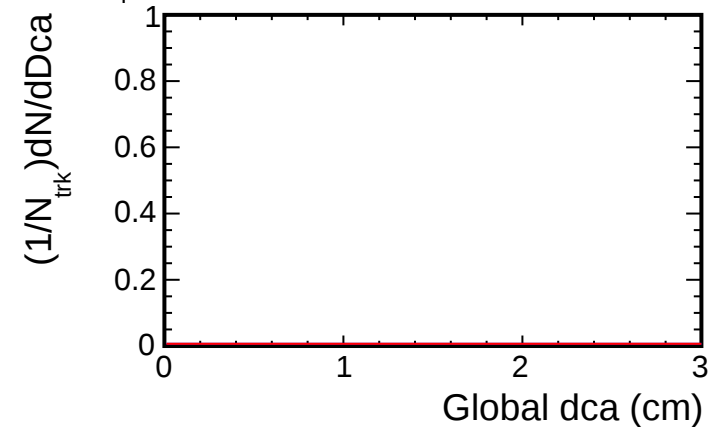
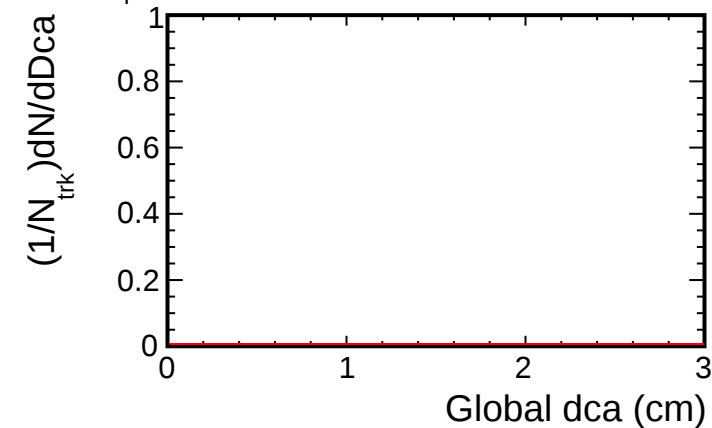
— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

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

Dca distribution for (p_T , η) slices $1.8, 0.5 < p_T < 1.0$ (GeV/c) $1.6, 0.5 < p_T < 1.0$ (GeV/c) $1.4, 0.5 < p_T < 1.0$ (GeV/c) $1.2, 0.5 < p_T < 1.0$ (GeV/c) $1.0, 0.5 < p_T < 1.0$ (GeV/c)

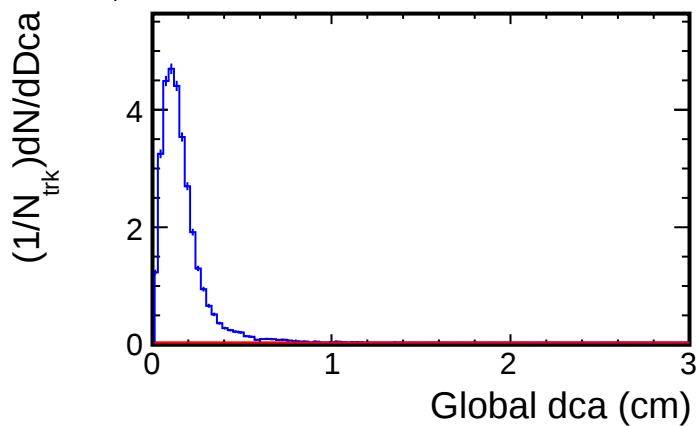
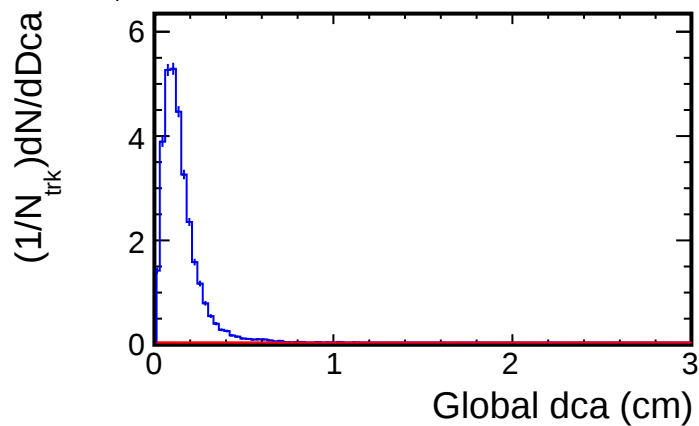
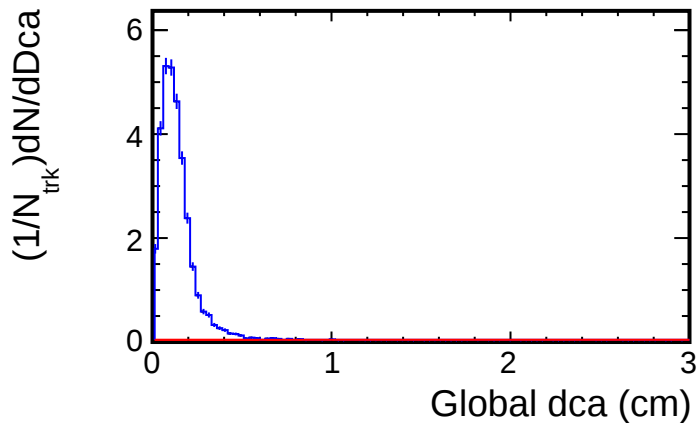
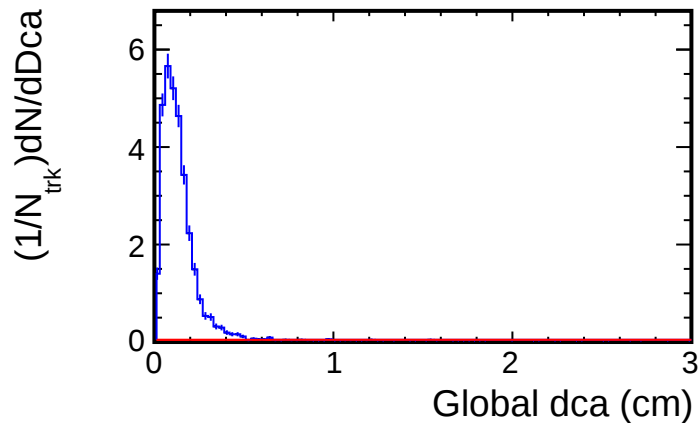
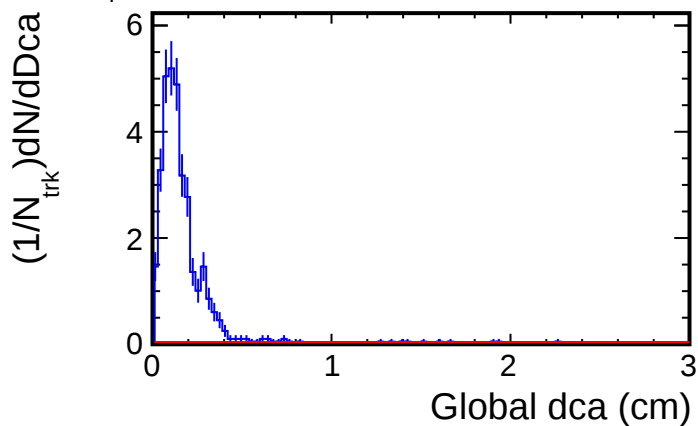
— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

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

Dca distribution for (p_T , η) slices2, $0.5 < p_T < 1.0$ (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)

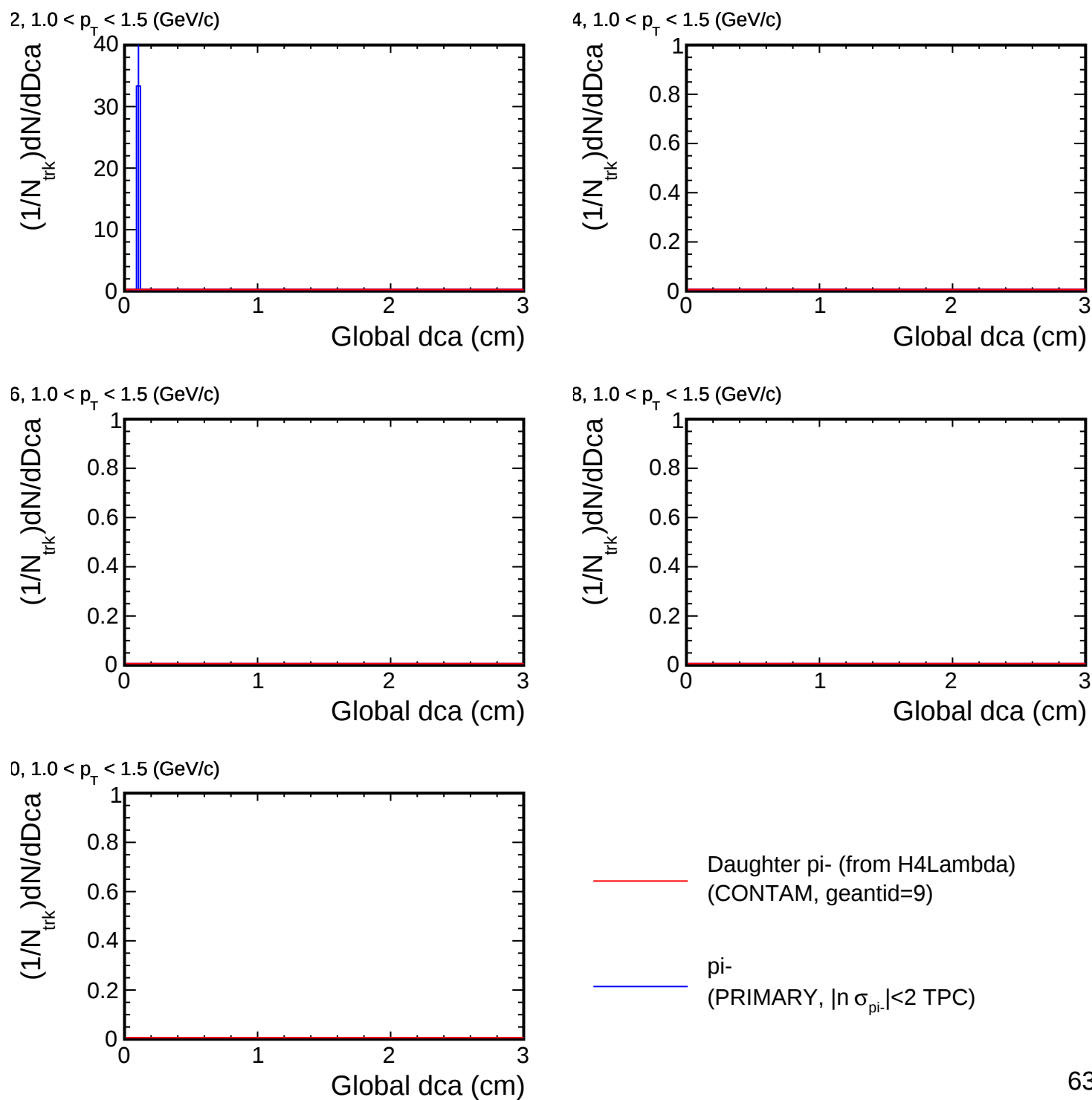
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(CONTAM, geantid=9)

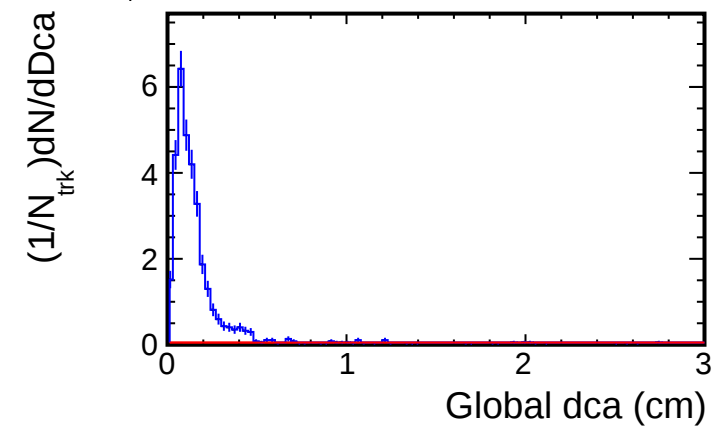
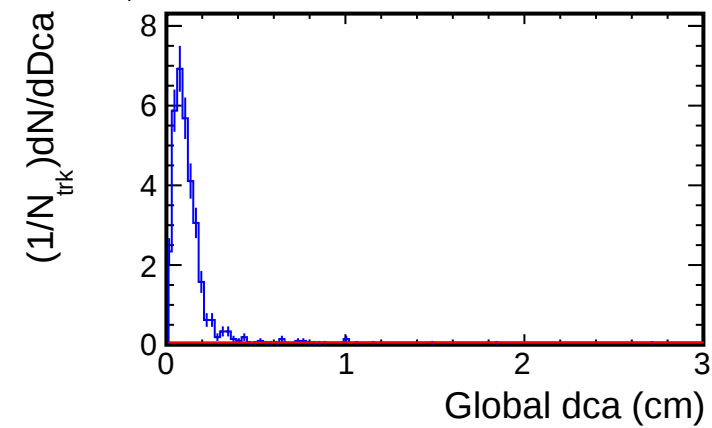
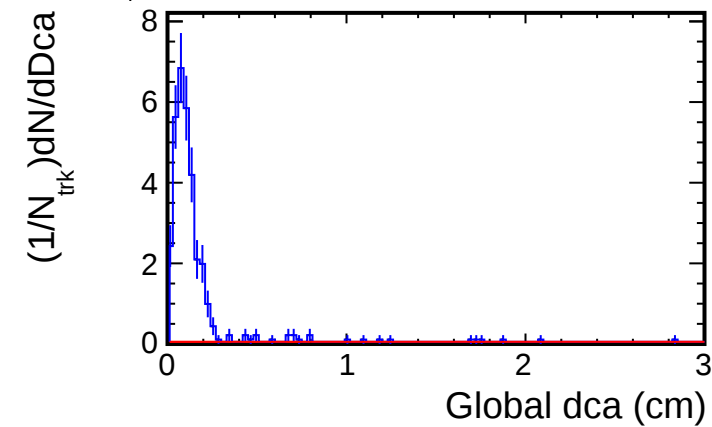
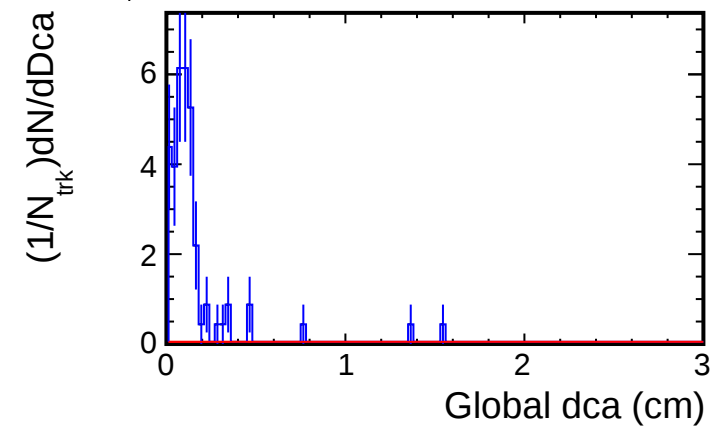
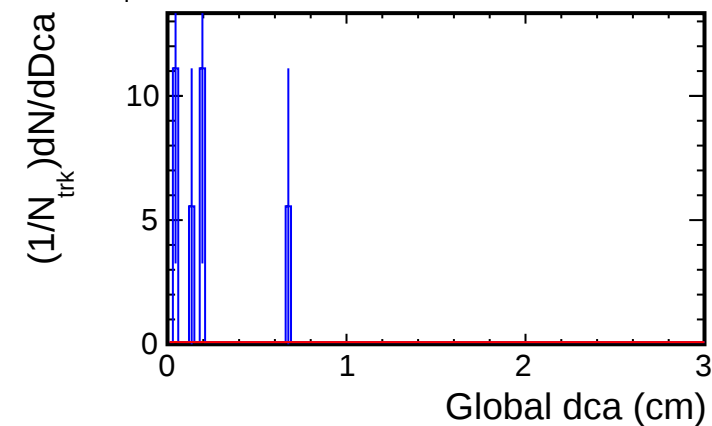
— pi-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices $1.8, 1.0 < p_T < 1.5$ (GeV/c) $1.6, 1.0 < p_T < 1.5$ (GeV/c) $1.4, 1.0 < p_T < 1.5$ (GeV/c) $1.2, 1.0 < p_T < 1.5$ (GeV/c) $1.0, 1.0 < p_T < 1.5$ (GeV/c)

— Daughter π^- (from H4Lambda)
(CONTAM, geantid=9)

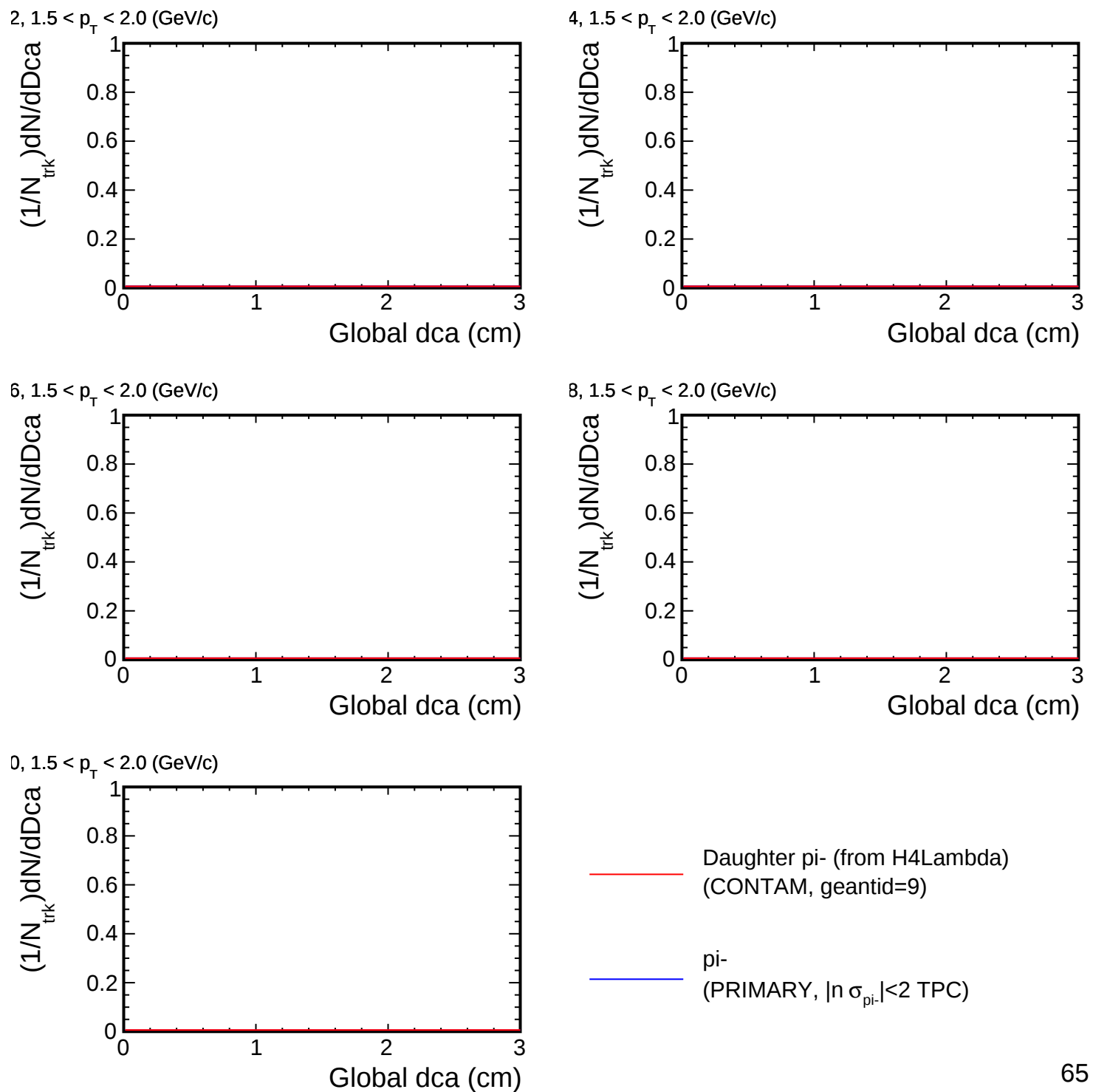
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

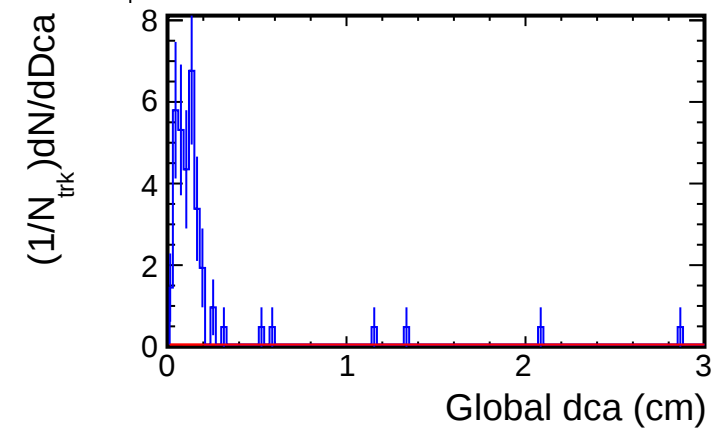
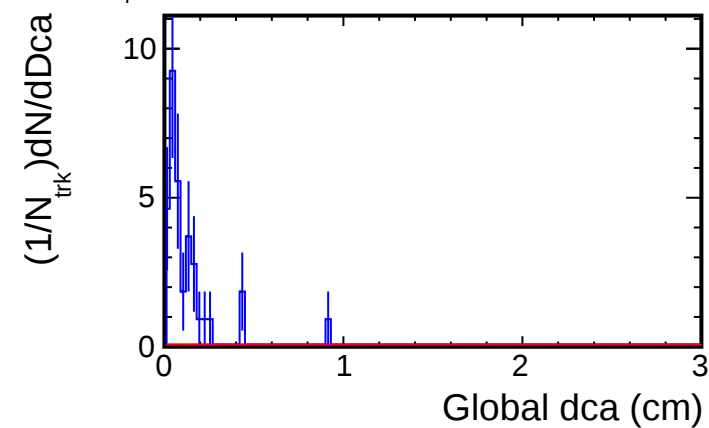
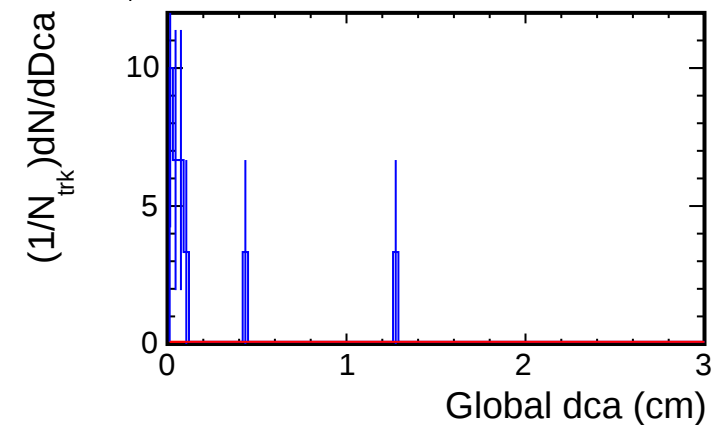
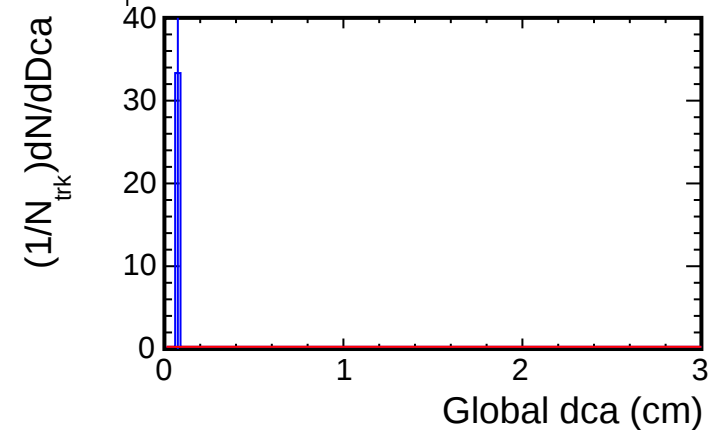
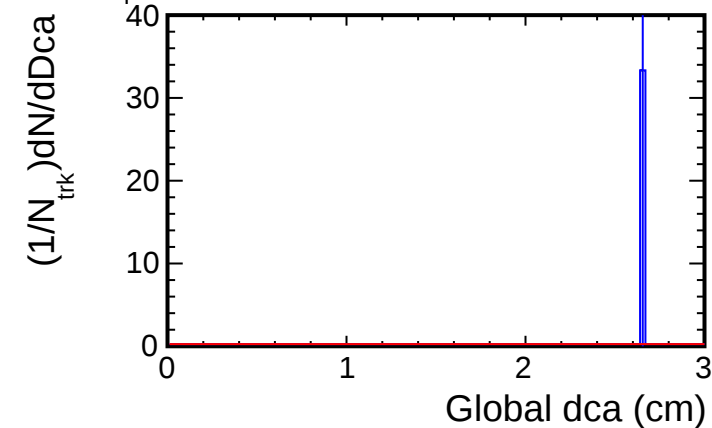
Dca distribution for (p_T , η) slices

Dca distribution for (p_T , η) slices $1.8, 1.5 < p_T < 2.0$ (GeV/c) $1.6, 1.5 < p_T < 2.0$ (GeV/c) $1.4, 1.5 < p_T < 2.0$ (GeV/c) $1.2, 1.5 < p_T < 2.0$ (GeV/c) $1.0, 1.5 < p_T < 2.0$ (GeV/c)

— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

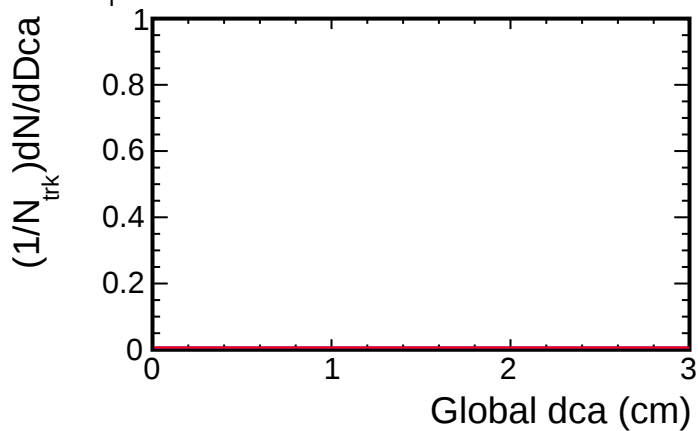
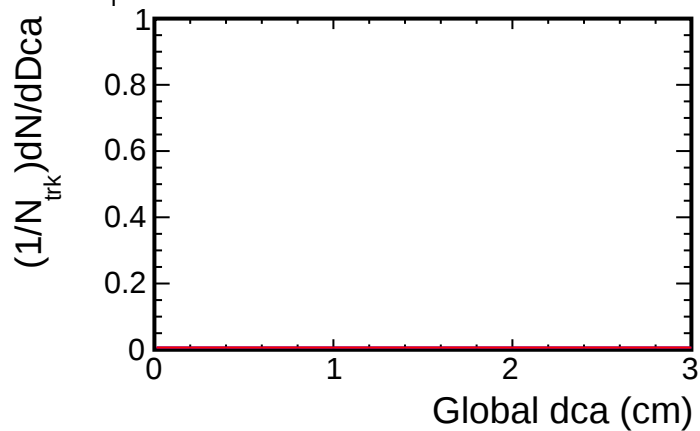
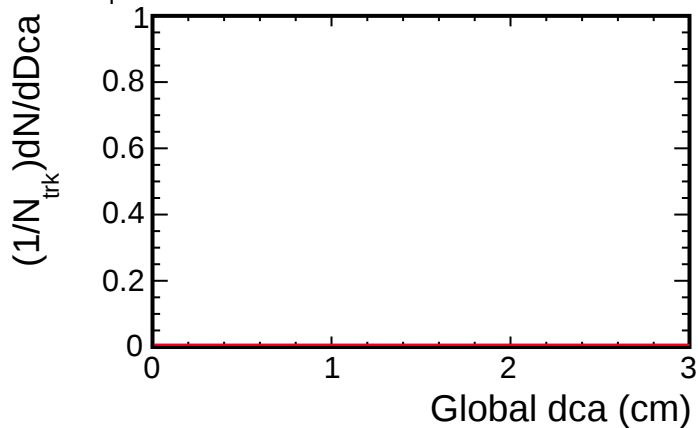
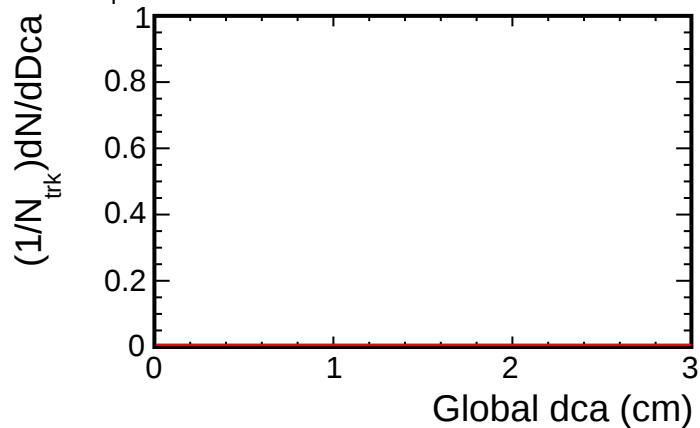
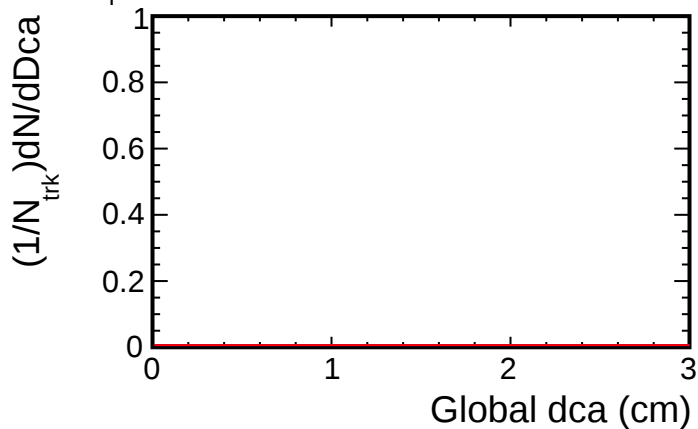
— pi-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices

Dca distribution for (p_T , η) slices $1.8, 2.0 < p_T < 2.5$ (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)

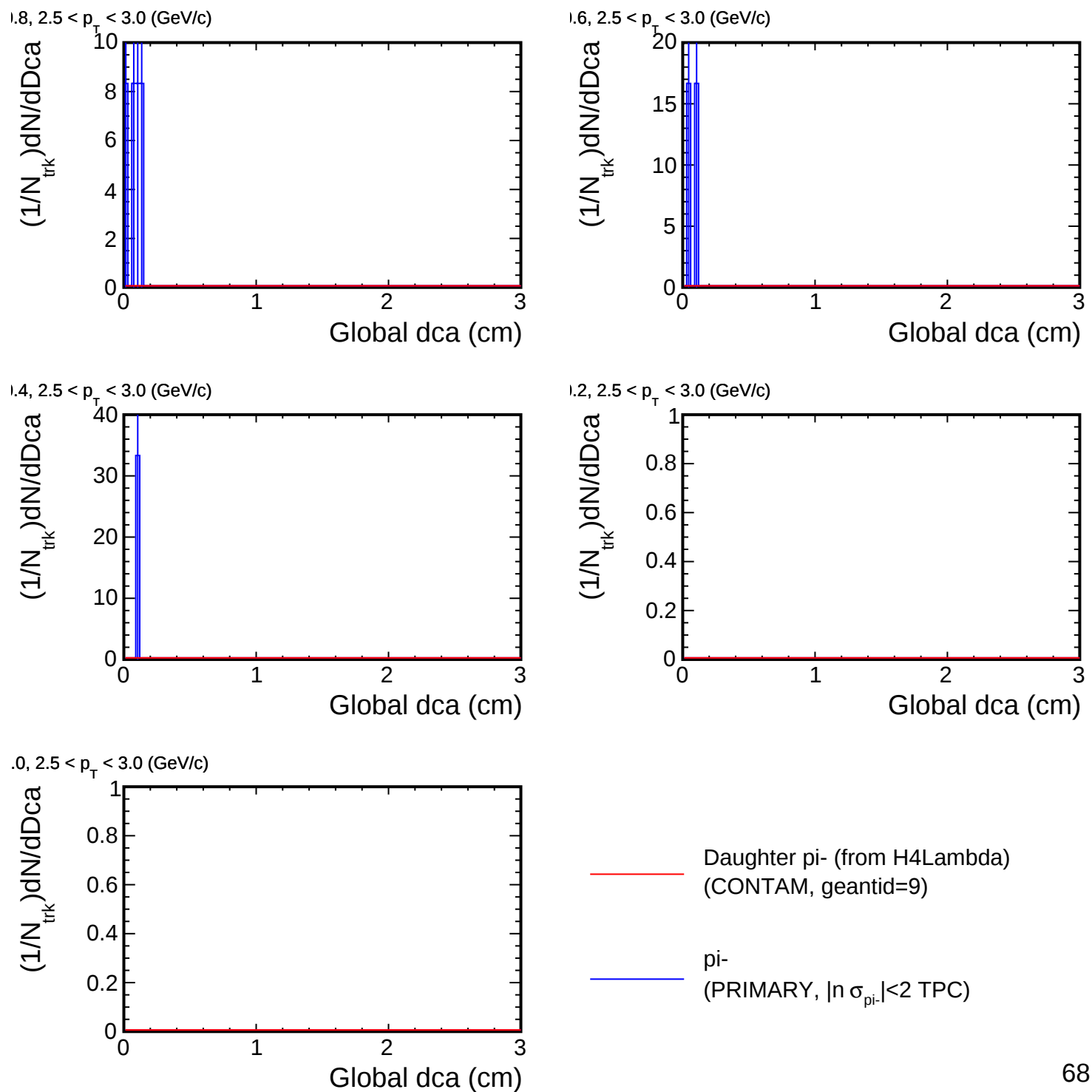
— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

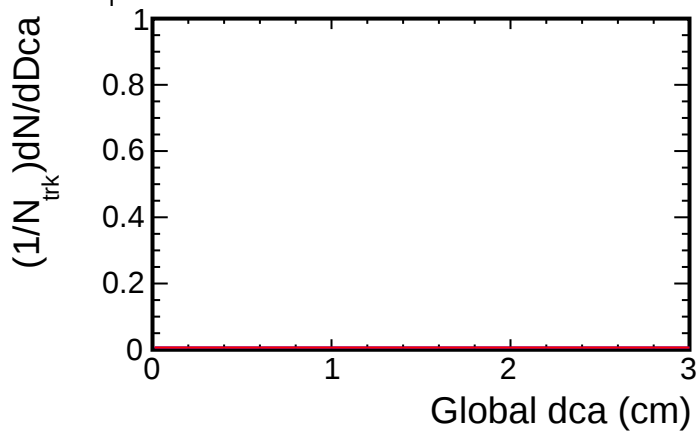
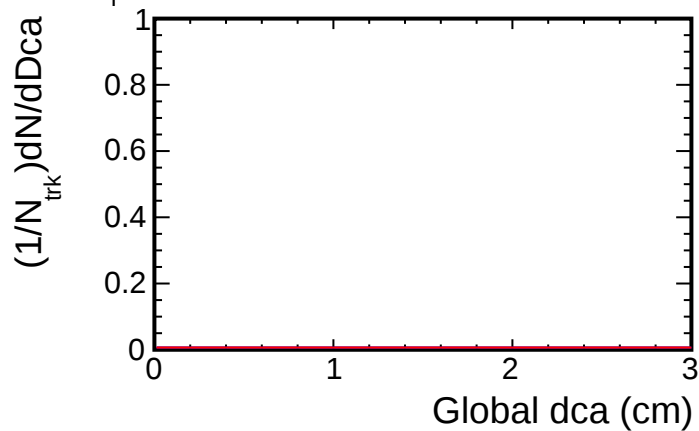
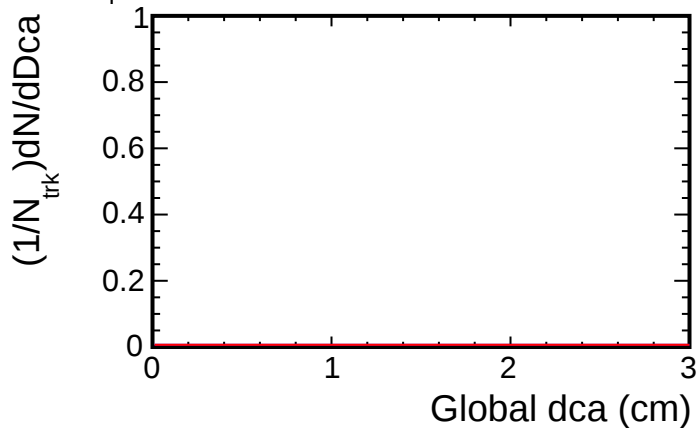
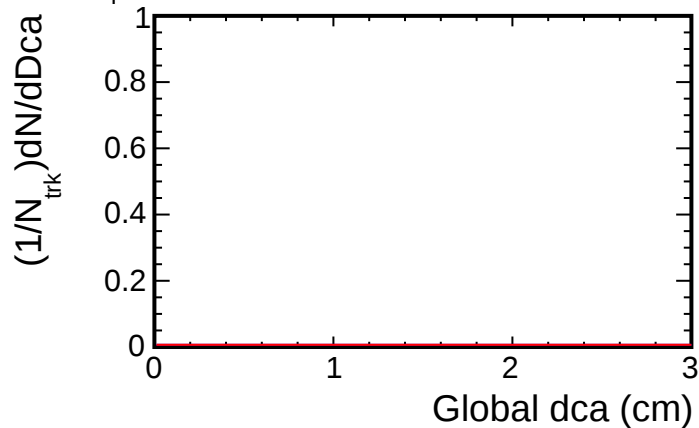
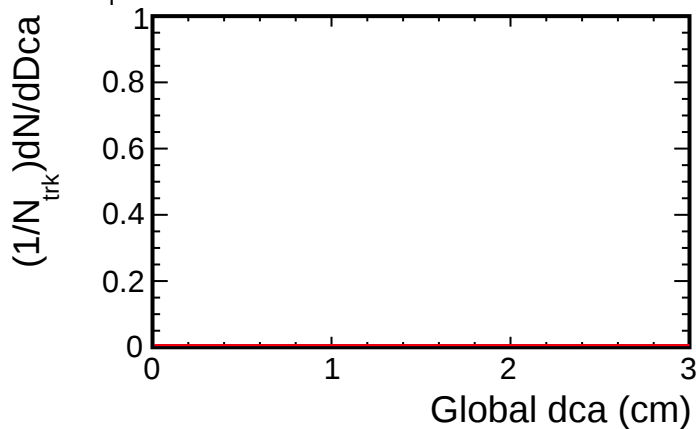
— pi-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices2, $2.0 < p_T < 2.5$ (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 H4Lambda)
(CONTAM, geantid=9)

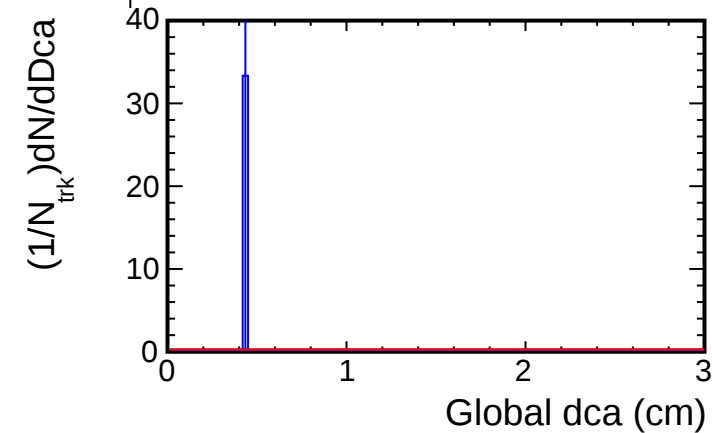
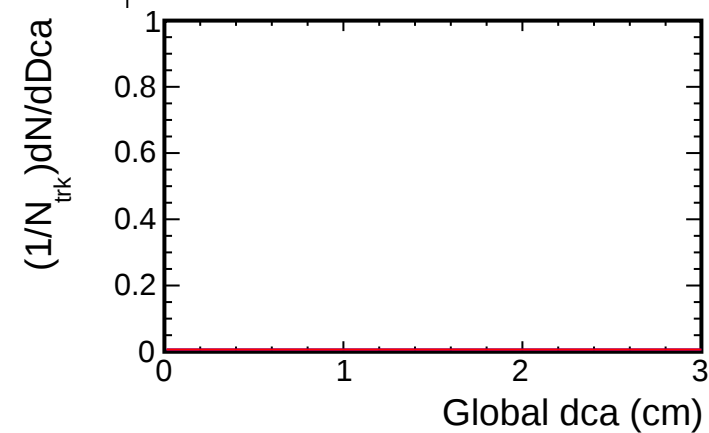
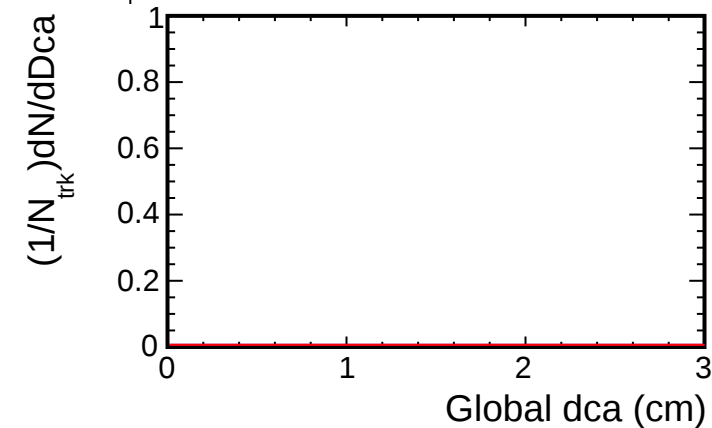
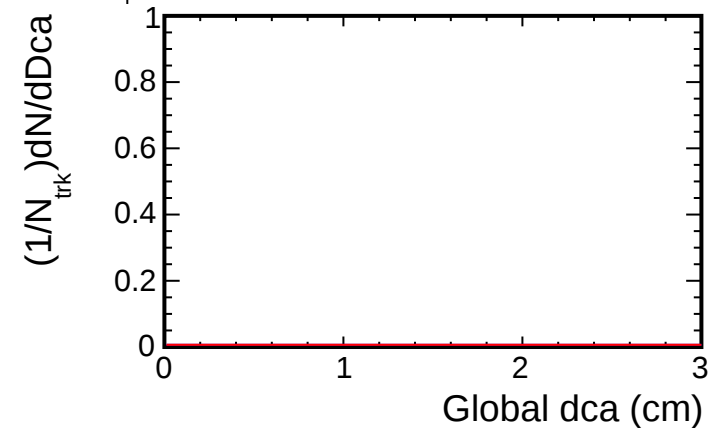
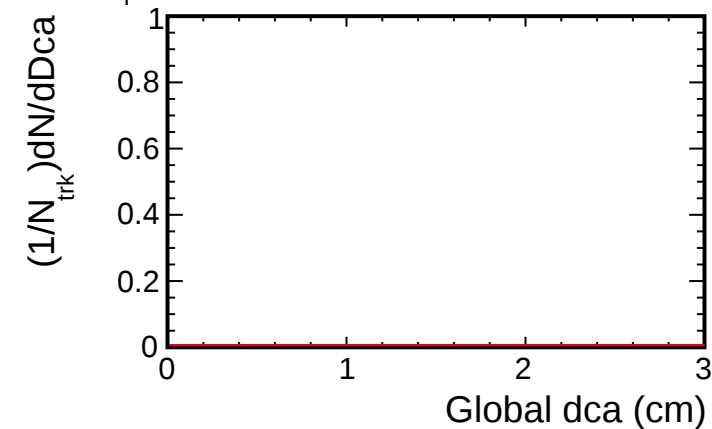
— pi-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

Dca distribution for (p_T , η) slices

Dca distribution for (p_T , η) slices2, $2.5 < p_T < 3.0$ (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)

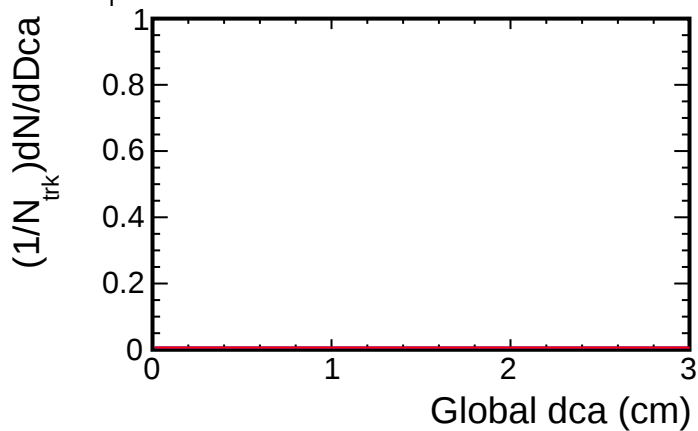
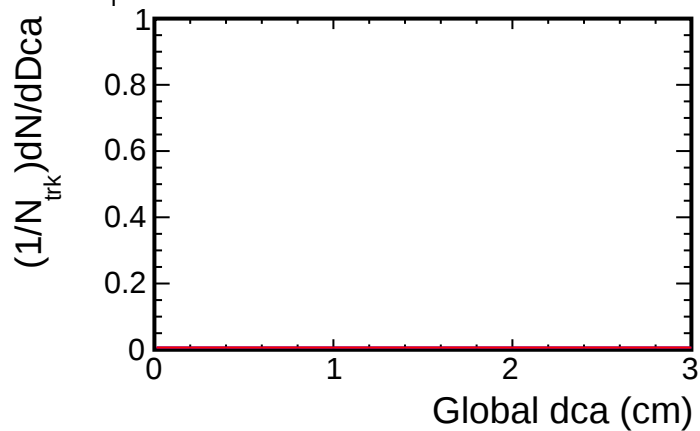
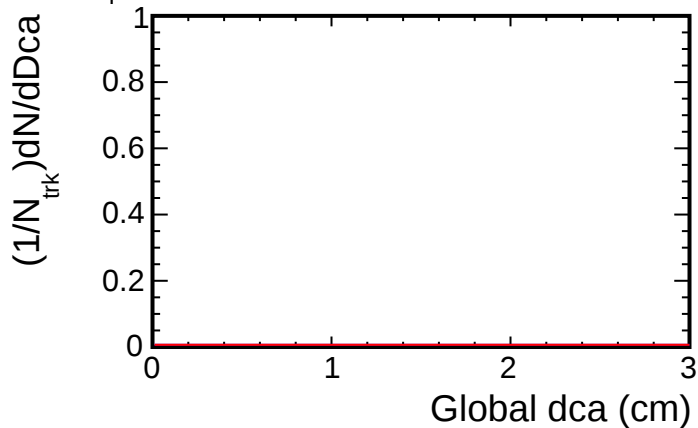
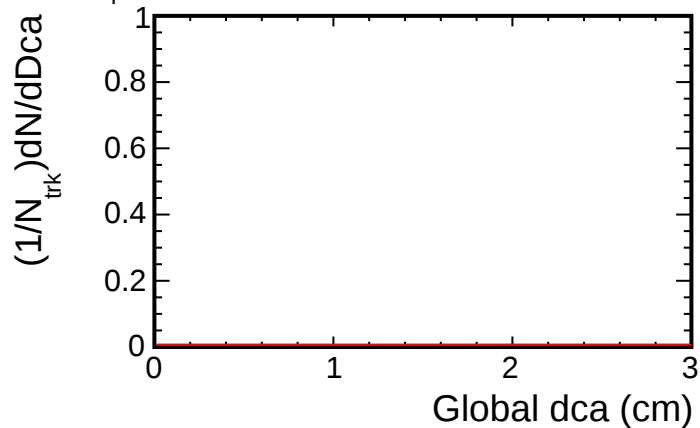
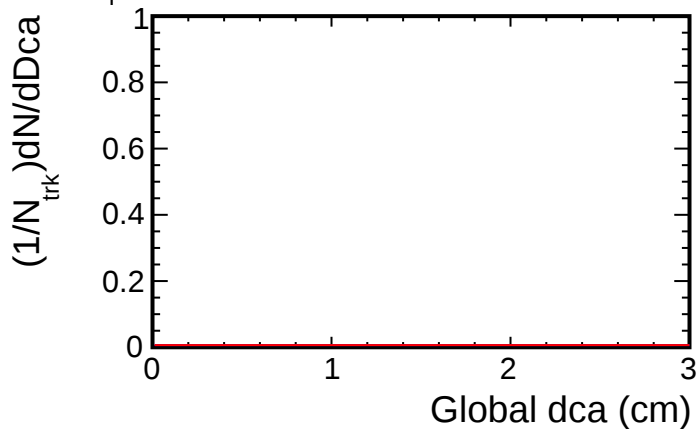
— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

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

Dca distribution for (p_T , η) slices $1.8, 3.0 < p_T < 3.5$ (GeV/c) $1.6, 3.0 < p_T < 3.5$ (GeV/c) $1.4, 3.0 < p_T < 3.5$ (GeV/c) $1.2, 3.0 < p_T < 3.5$ (GeV/c) $1.0, 3.0 < p_T < 3.5$ (GeV/c)

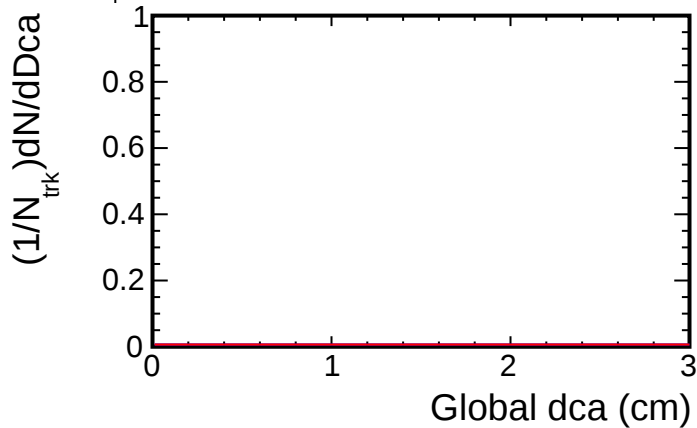
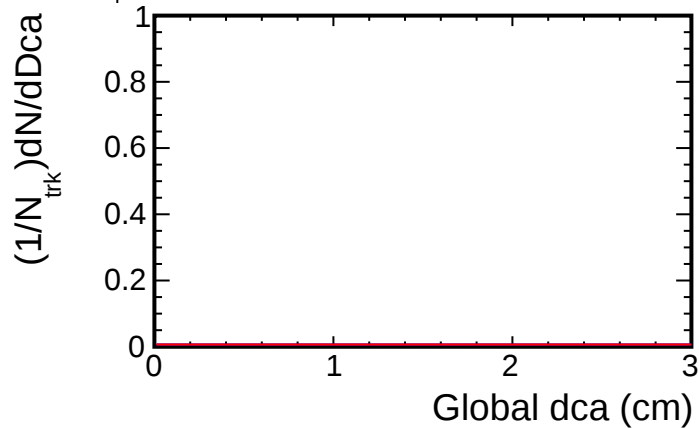
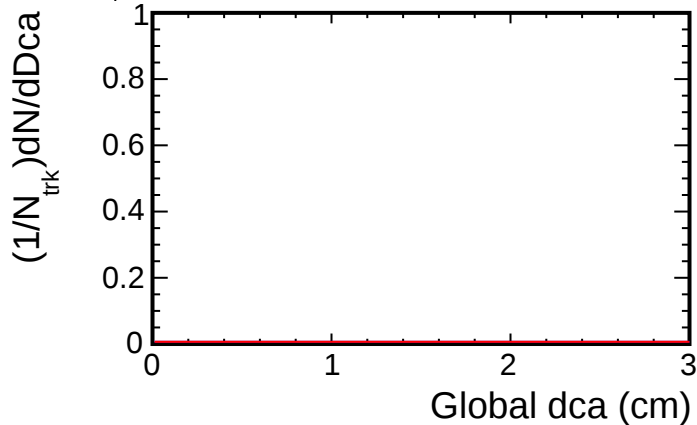
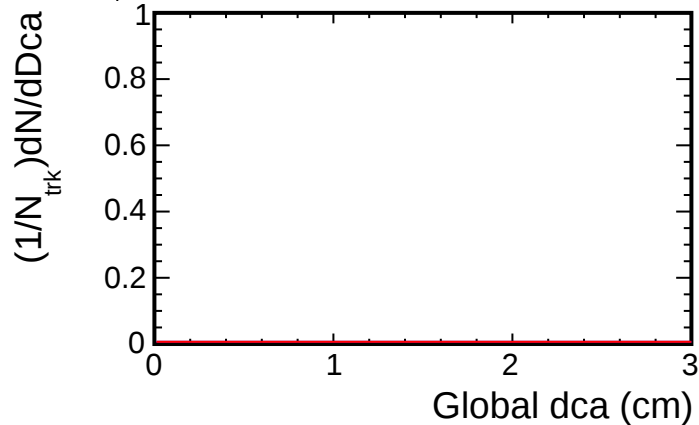
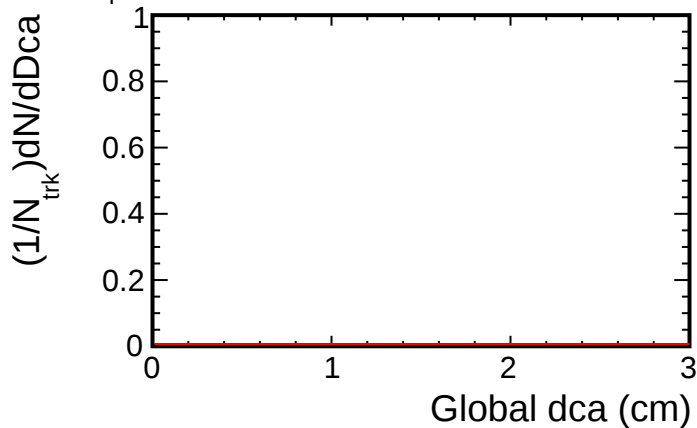
— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

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

Dca distribution for (p_T , η) slices2, $3.0 < p_T < 3.5$ (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)

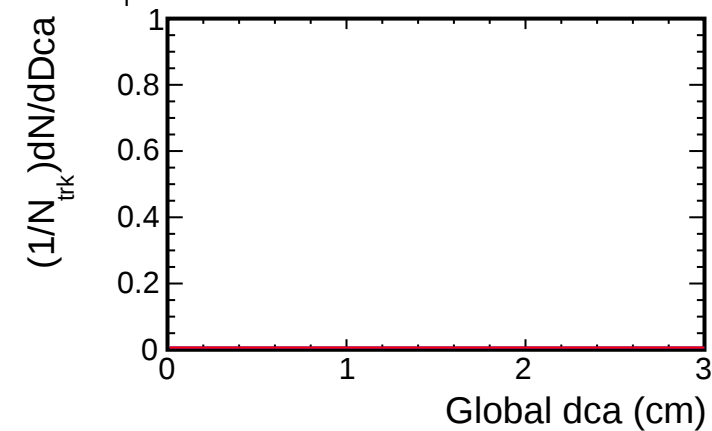
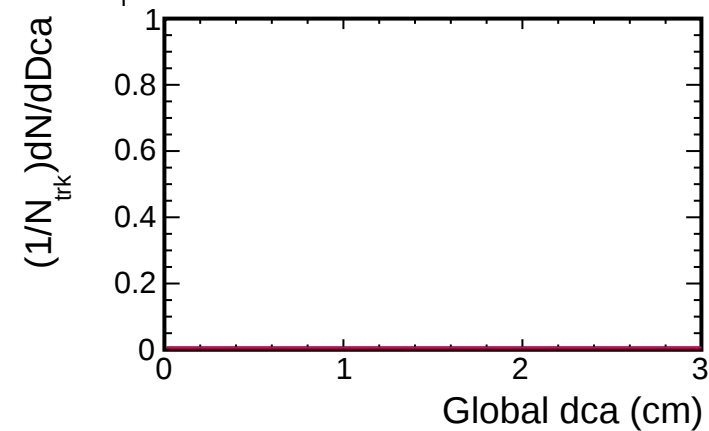
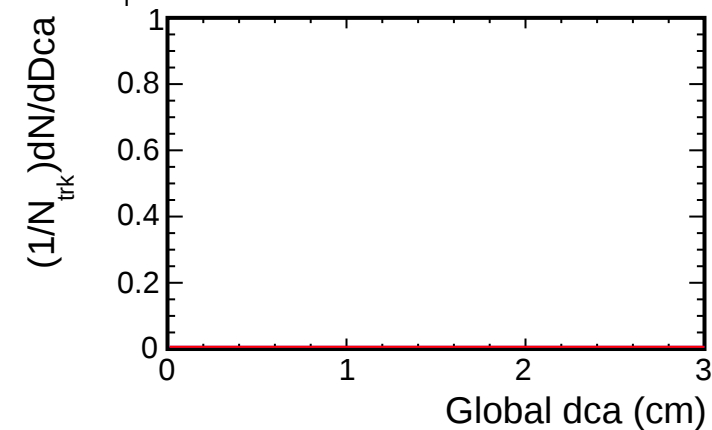
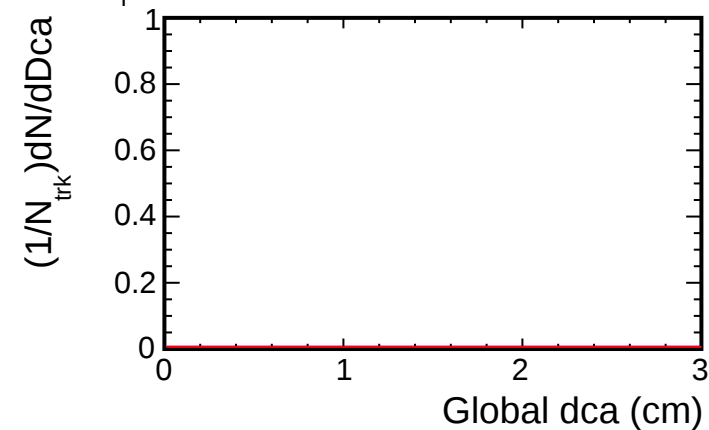
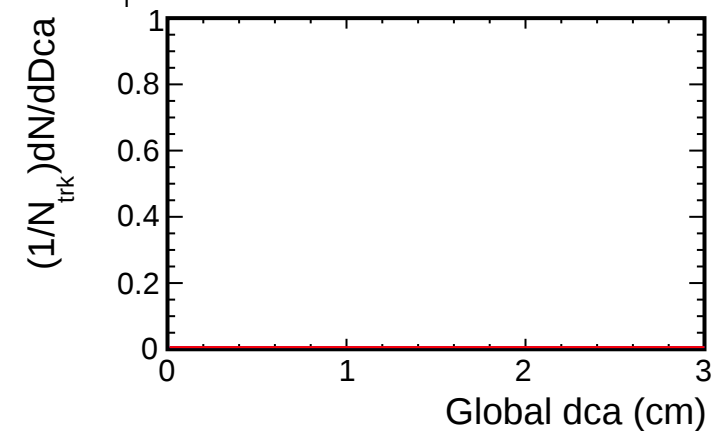
— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

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

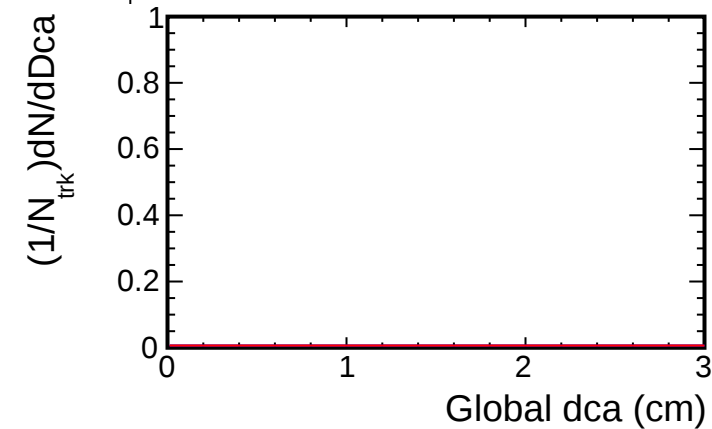
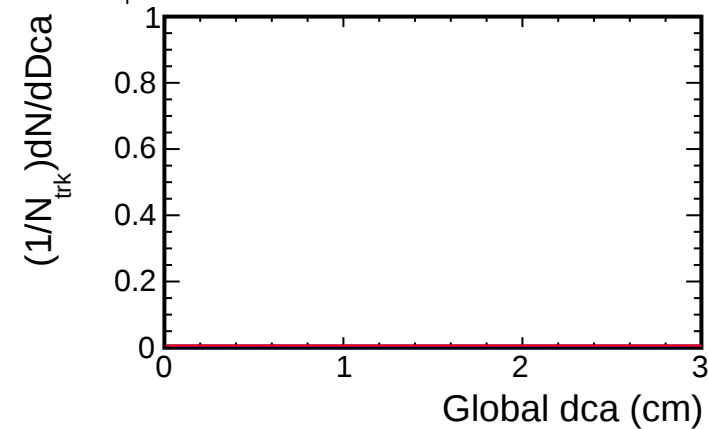
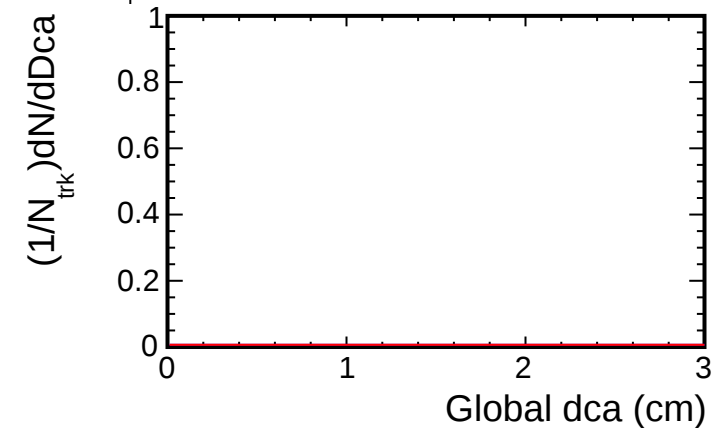
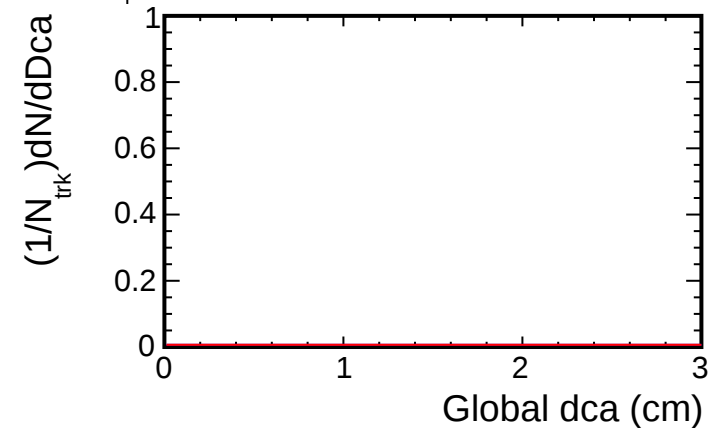
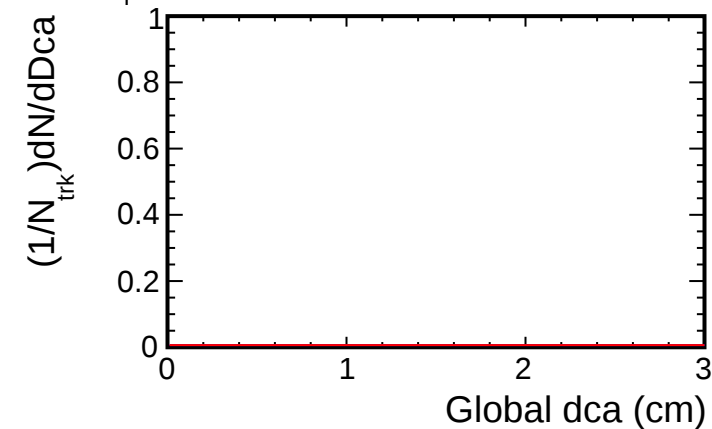
— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

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

Dca distribution for (p_T , η) slices2, $3.5 < p_T < 4.0$ (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)

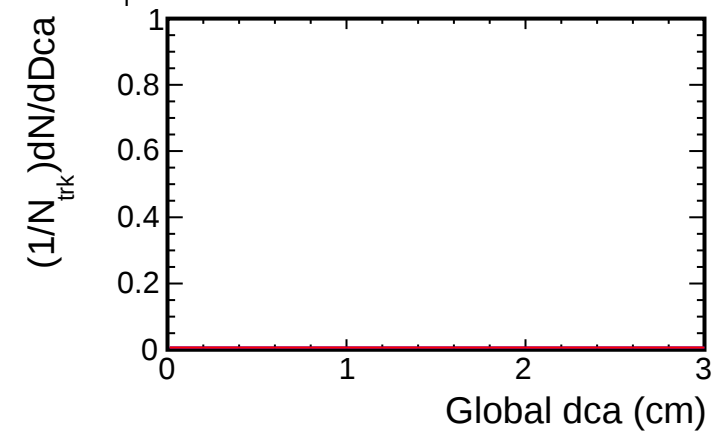
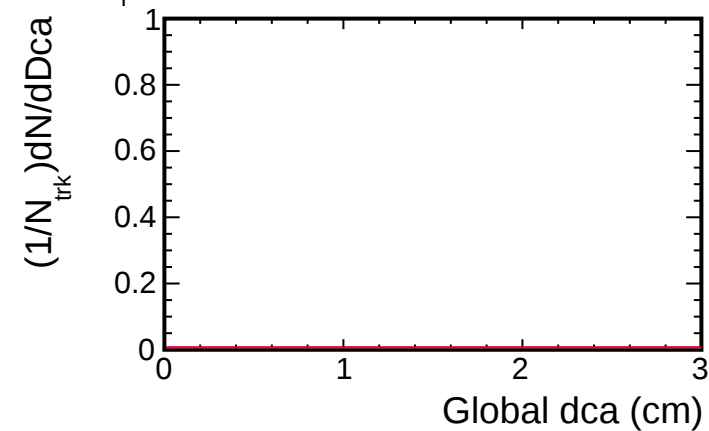
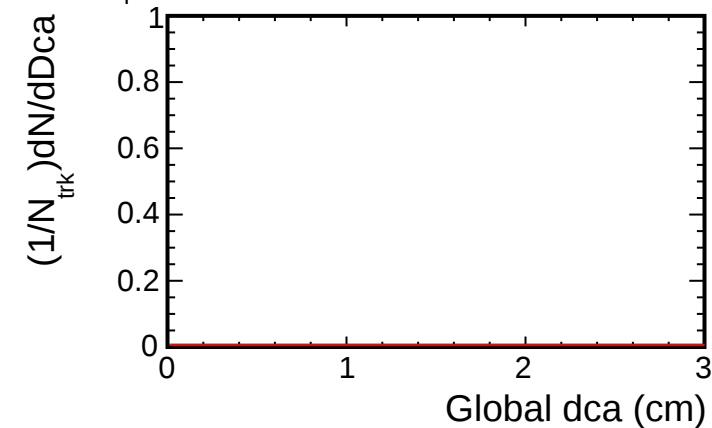
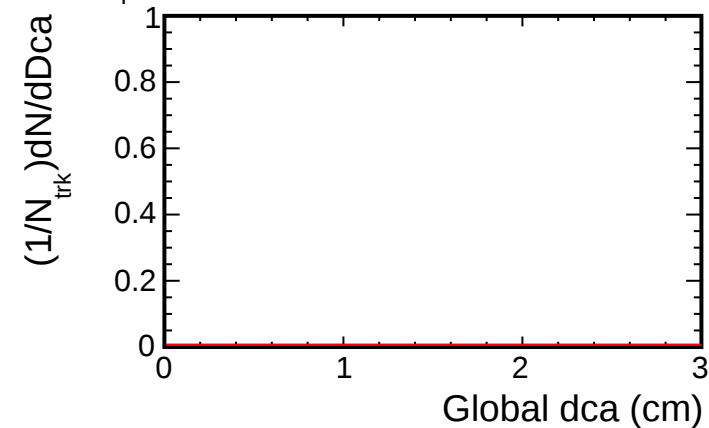
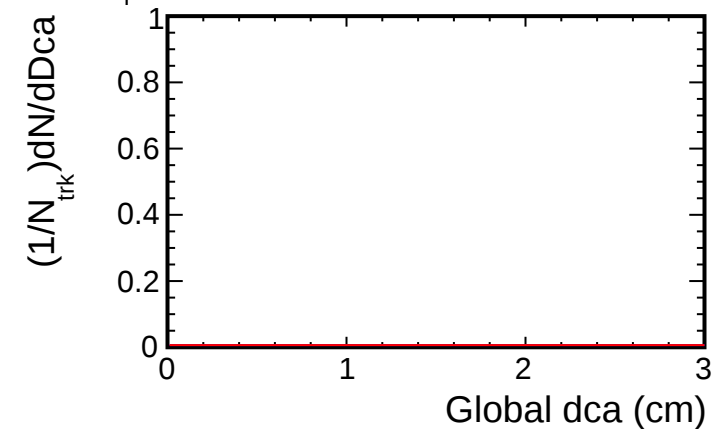
— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

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

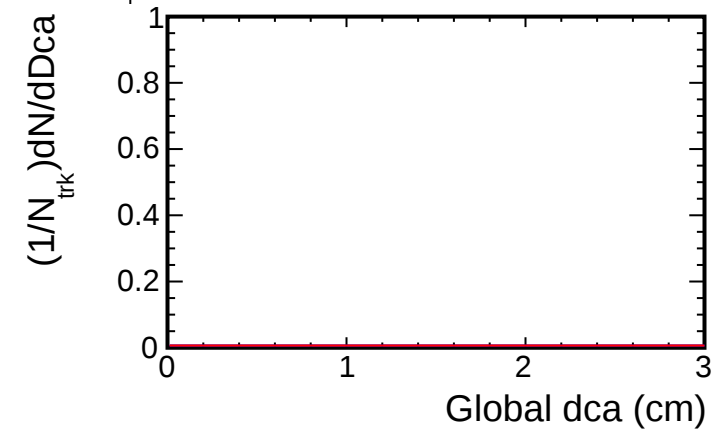
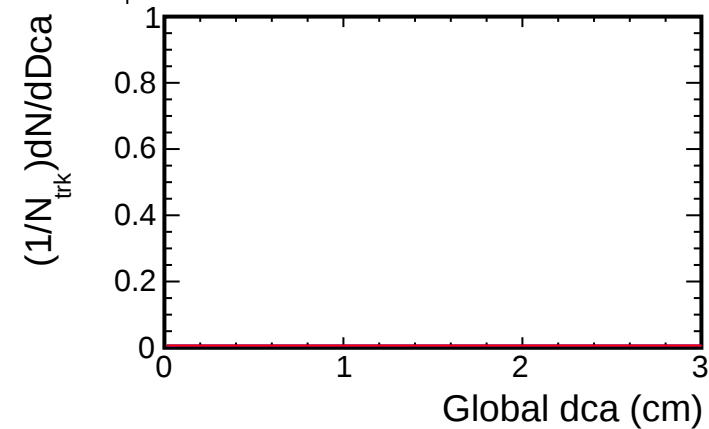
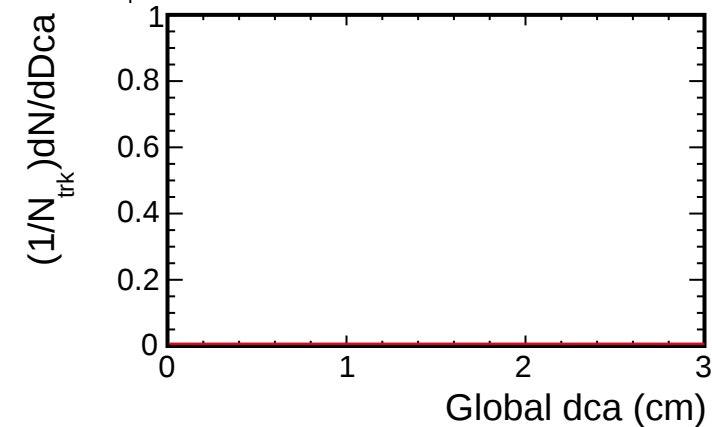
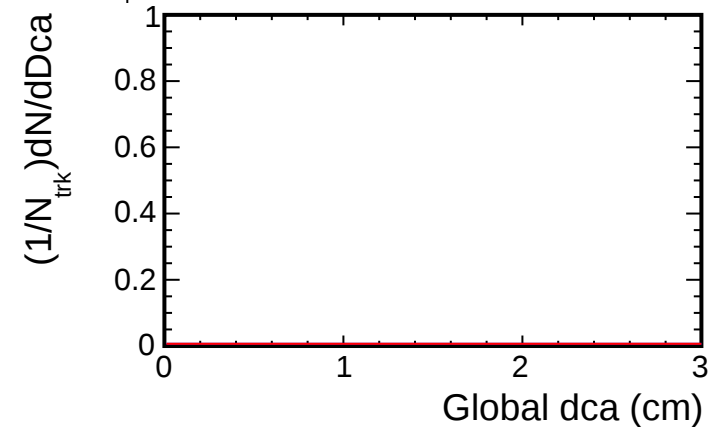
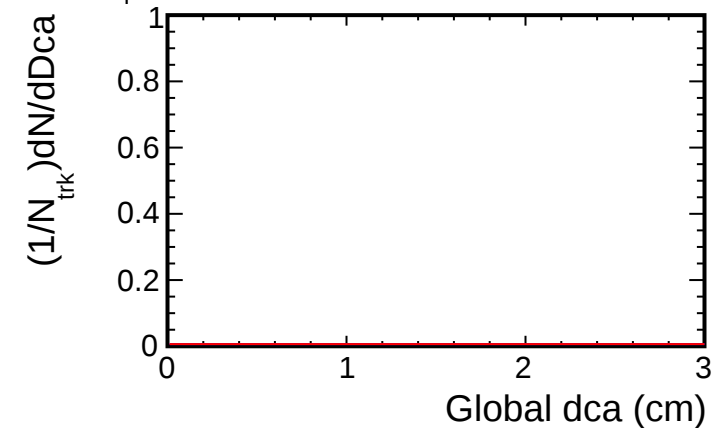
— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

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

Dca distribution for (p_T , η) slices2, $4.0 < p_T < 4.5$ (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)

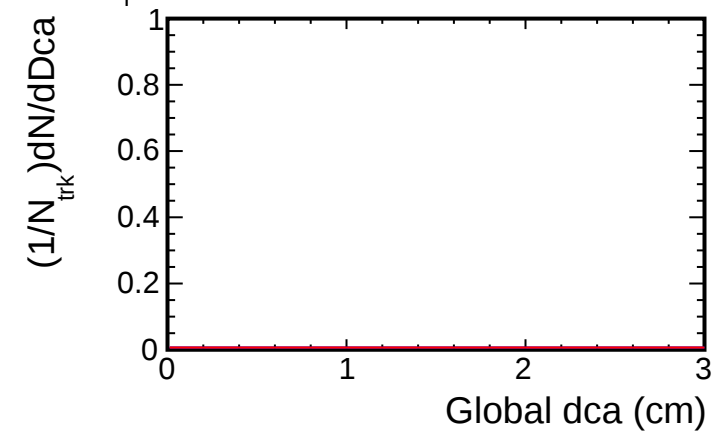
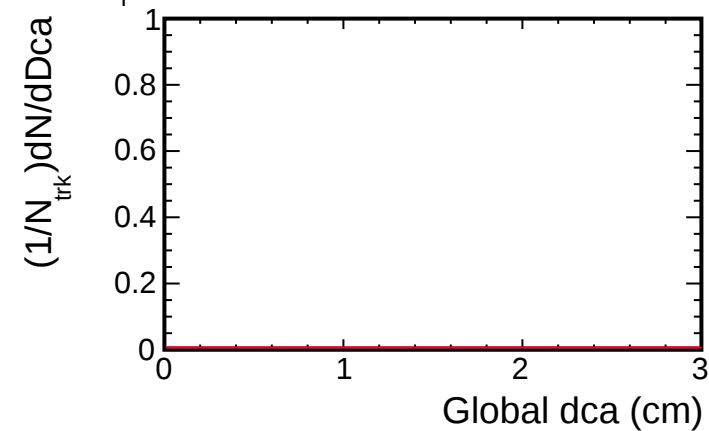
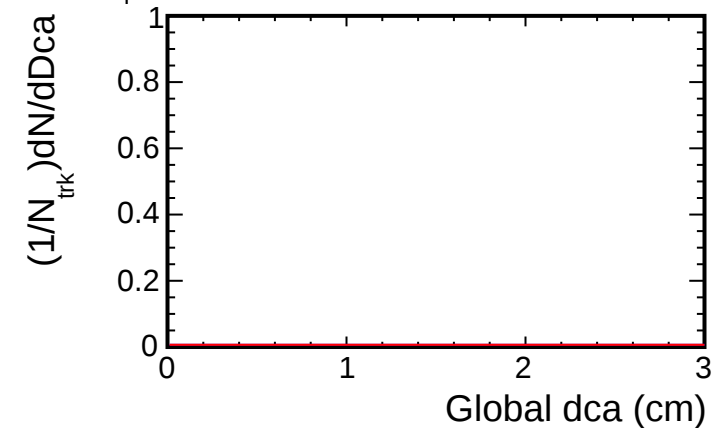
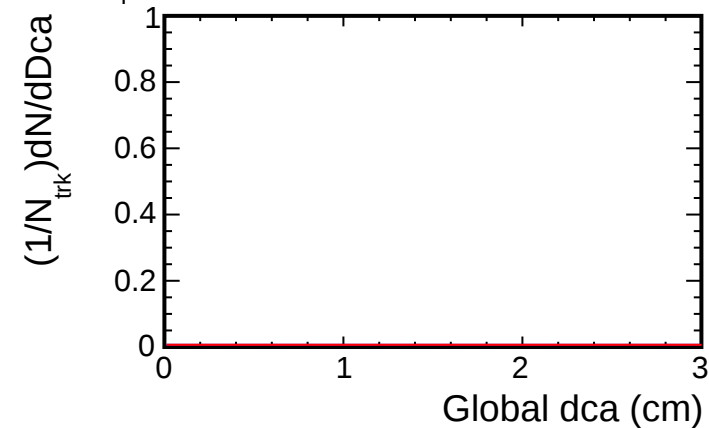
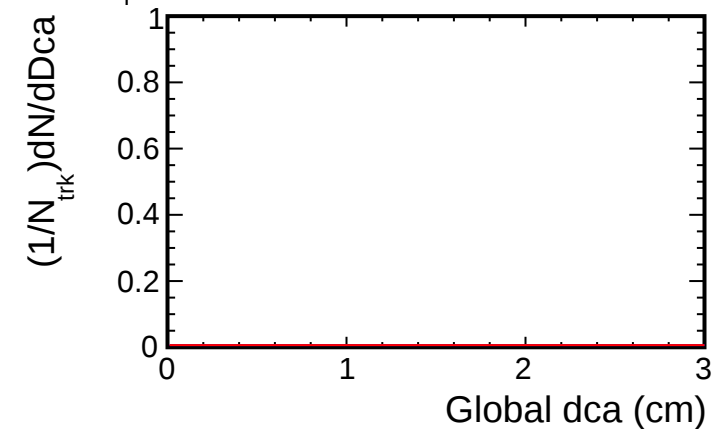
— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

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

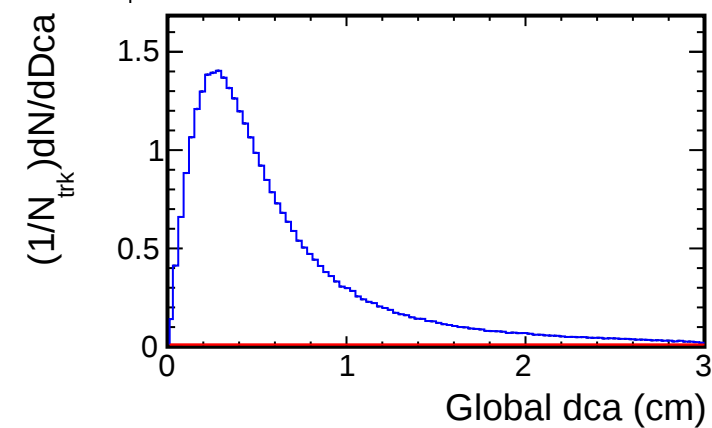
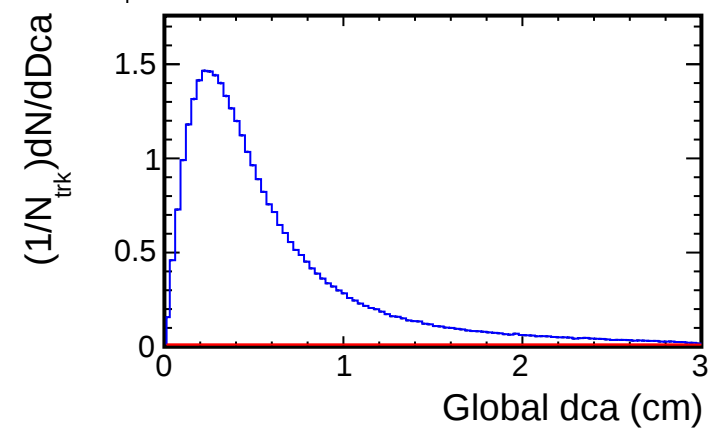
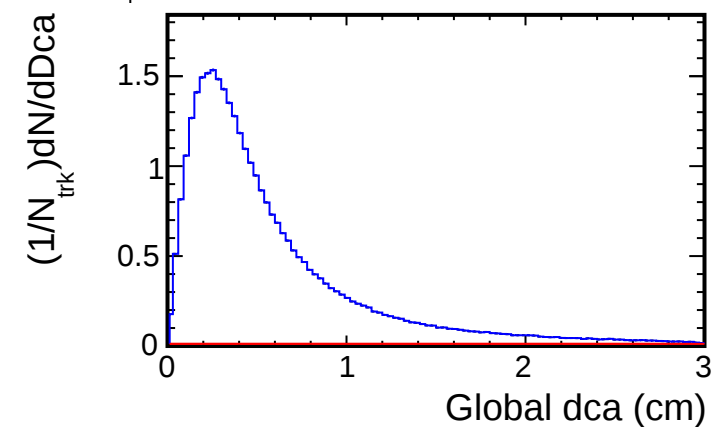
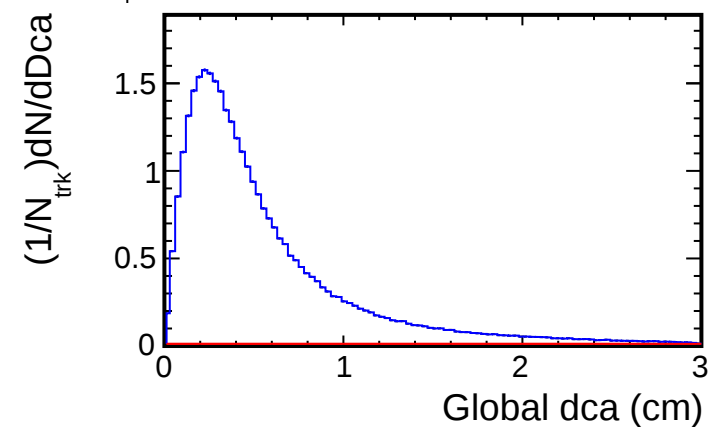
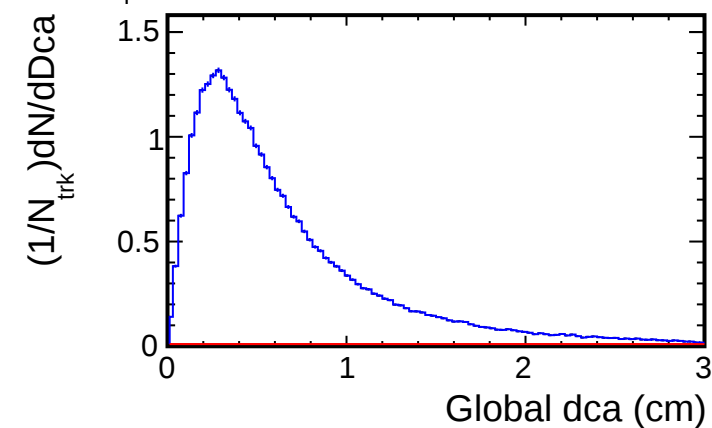
— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

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

Dca distribution for (p_T , η) slices2, $4.5 < p_T < 5.0$ (GeV/c)4, $4.5 < p_T < 5.0$ (GeV/c)6, $4.5 < p_T < 5.0$ (GeV/c)8, $4.5 < p_T < 5.0$ (GeV/c)0, $4.5 < p_T < 5.0$ (GeV/c)

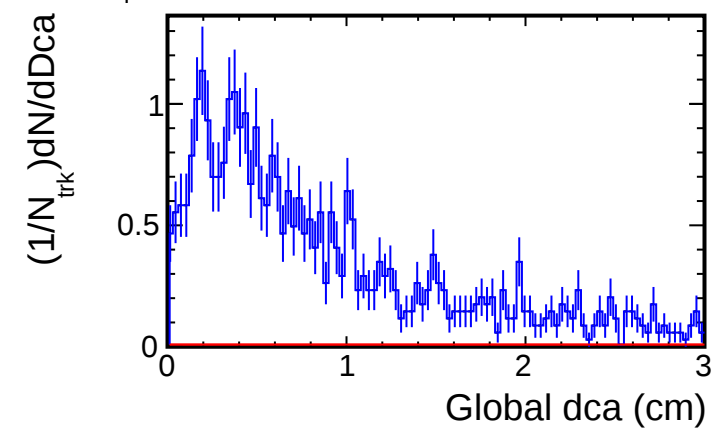
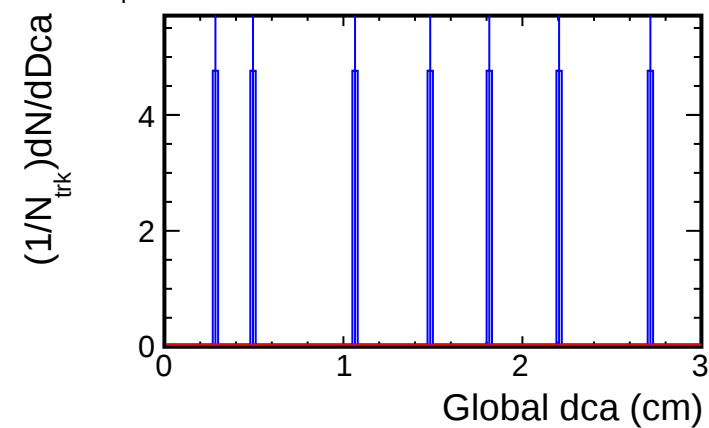
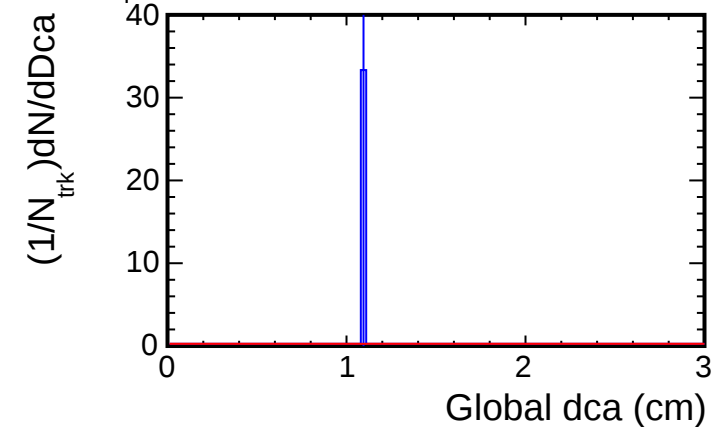
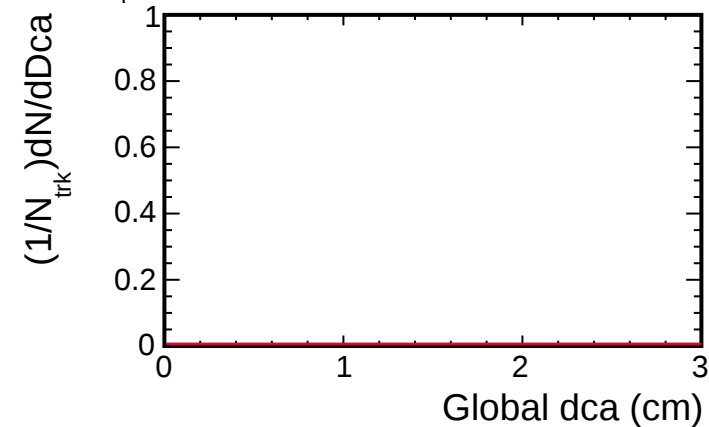
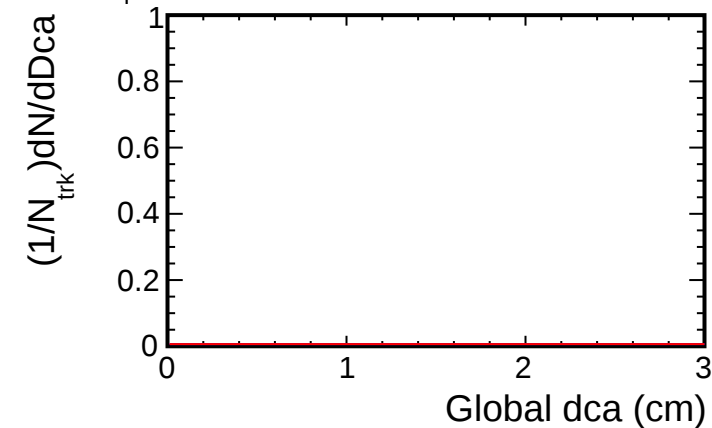
— Daughter π^- (from H4Lambda)
(CONTAM, geantid=9)

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

Dca distribution for (p_T , η) slices $1.8, 0.1 < p_T < 0.5$ (GeV/c) $1.6, 0.1 < p_T < 0.5$ (GeV/c) $1.4, 0.1 < p_T < 0.5$ (GeV/c) $1.2, 0.1 < p_T < 0.5$ (GeV/c) $1.0, 0.1 < p_T < 0.5$ (GeV/c)

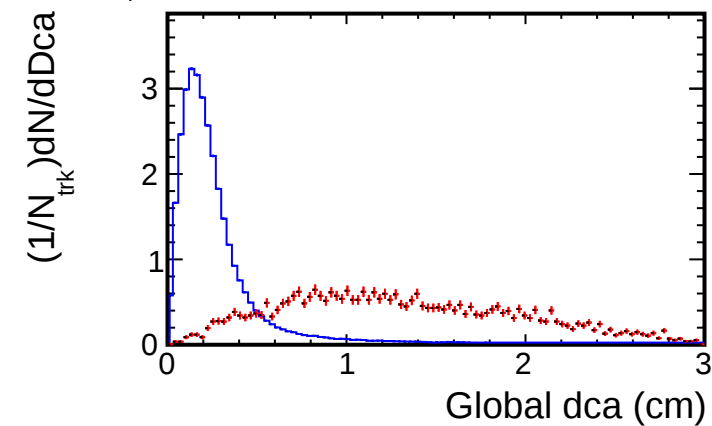
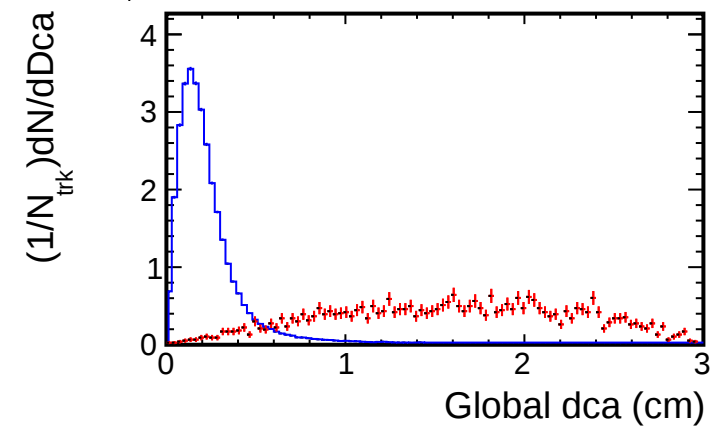
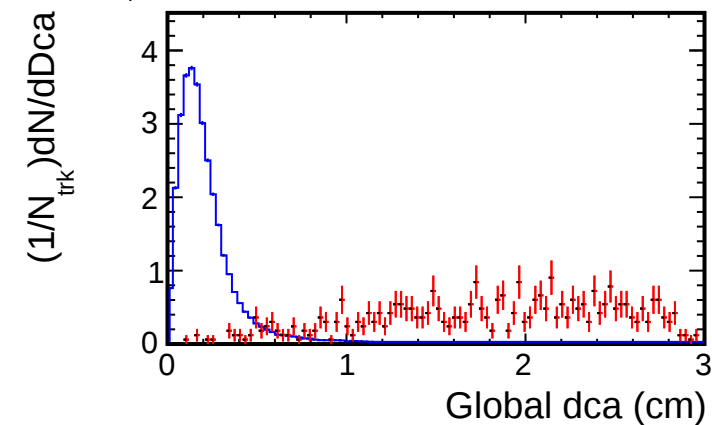
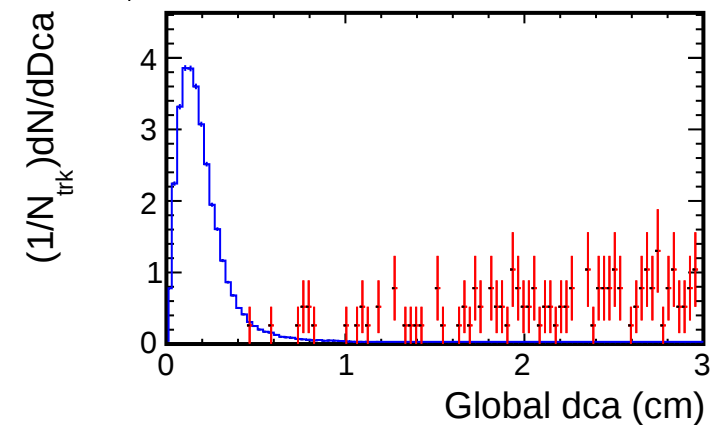
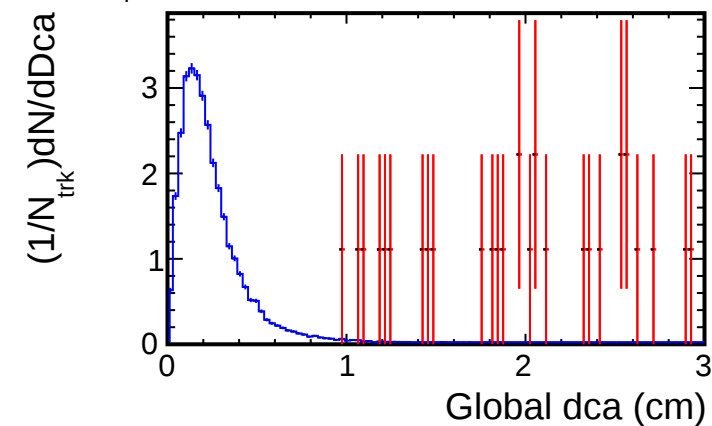
— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

Dca distribution for (p_T , η) slices2, $0.1 < p_T < 0.5$ (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)

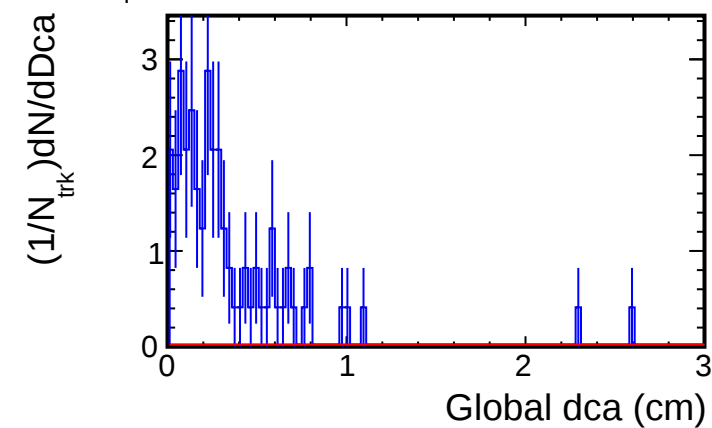
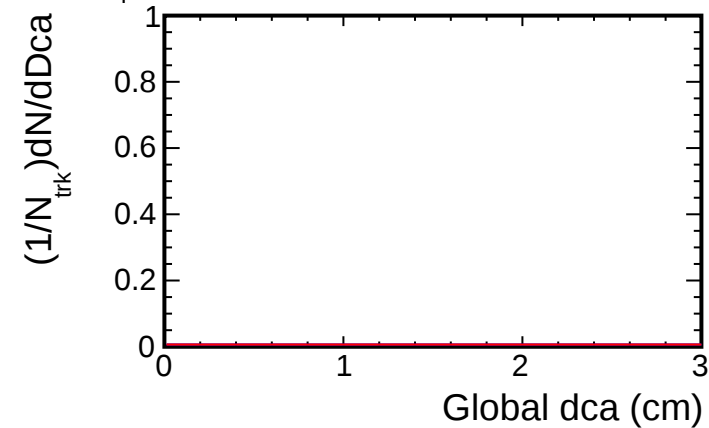
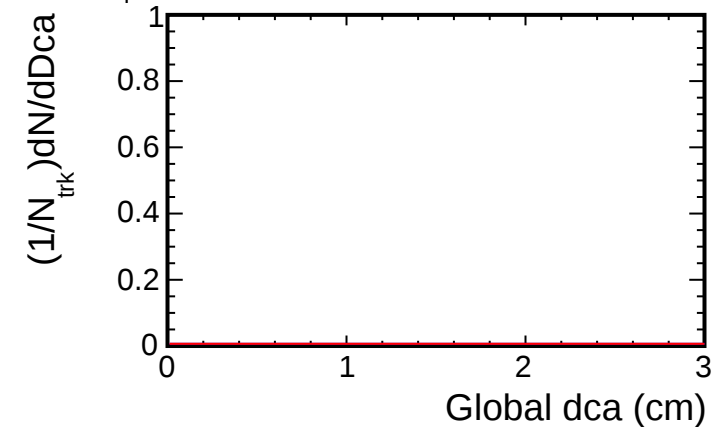
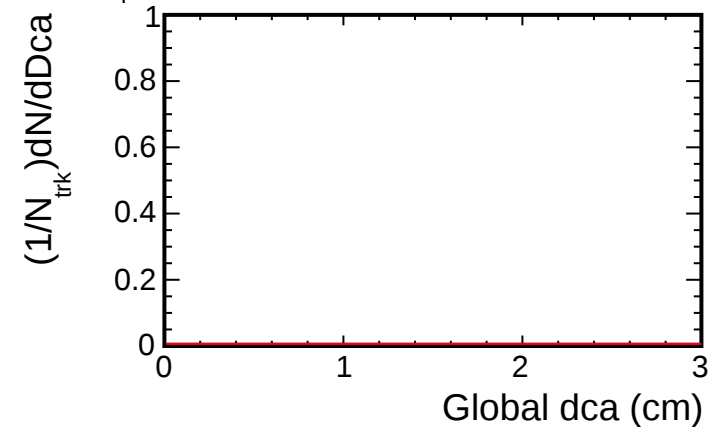
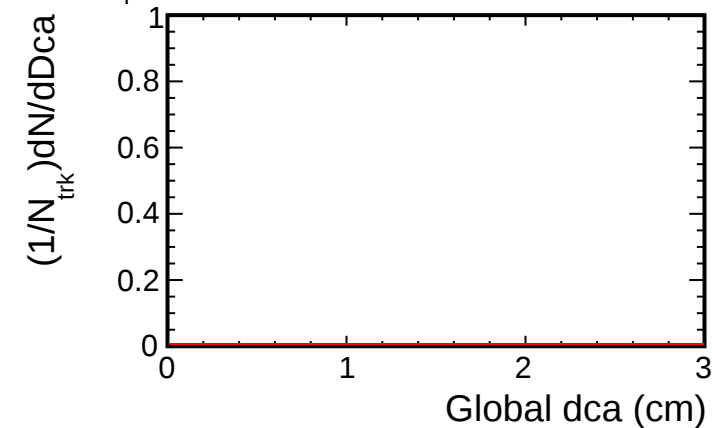
— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

Dca distribution for (p_T , η) slices $1.8, 0.5 < p_T < 1.0$ (GeV/c) $1.6, 0.5 < p_T < 1.0$ (GeV/c) $1.4, 0.5 < p_T < 1.0$ (GeV/c) $1.2, 0.5 < p_T < 1.0$ (GeV/c) $1.0, 0.5 < p_T < 1.0$ (GeV/c)

— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

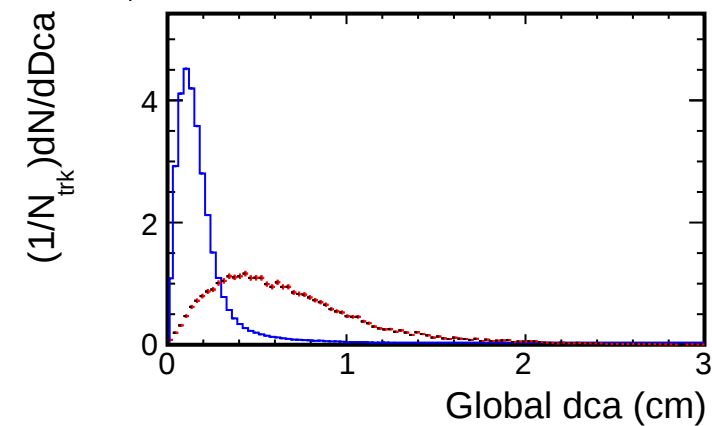
Dca distribution for (p_T , η) slices2, $0.5 < p_T < 1.0$ (GeV/c)4, $0.5 < p_T < 1.0$ (GeV/c)6, $0.5 < p_T < 1.0$ (GeV/c)8, $0.5 < p_T < 1.0$ (GeV/c)0, $0.5 < p_T < 1.0$ (GeV/c)

— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

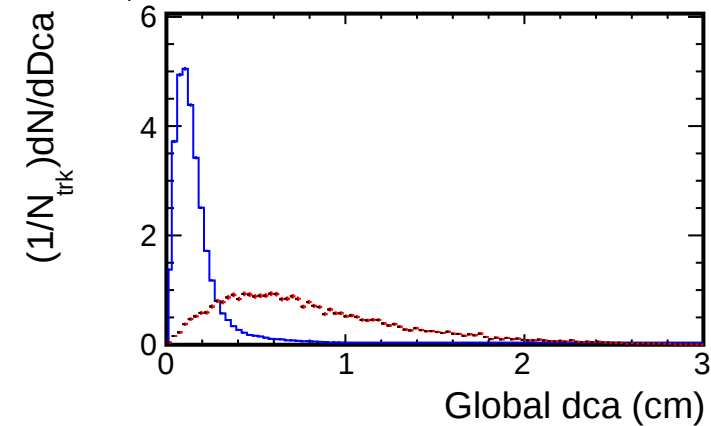
— pi+
(PRIMARY, $|\ln \sigma_{\pi^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices

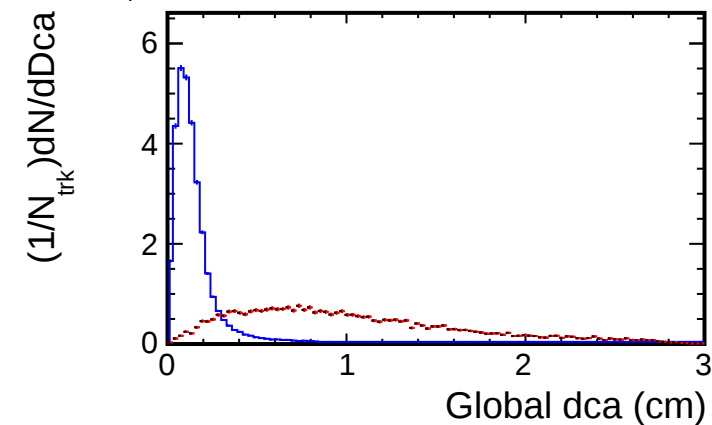
1.8, $1.0 < p_T < 1.5$ (GeV/c)



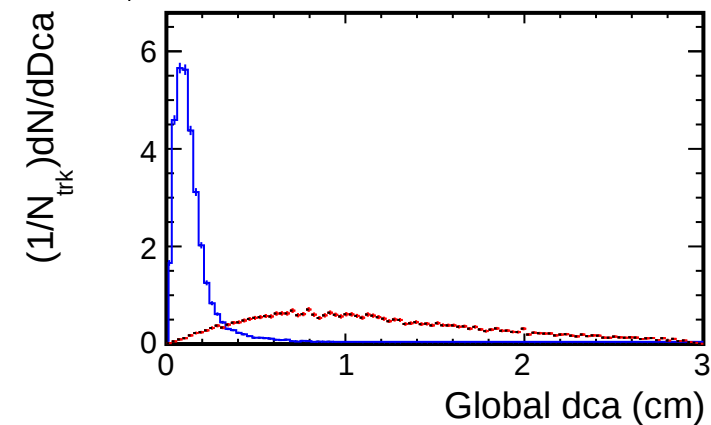
1.6, $1.0 < p_T < 1.5$ (GeV/c)



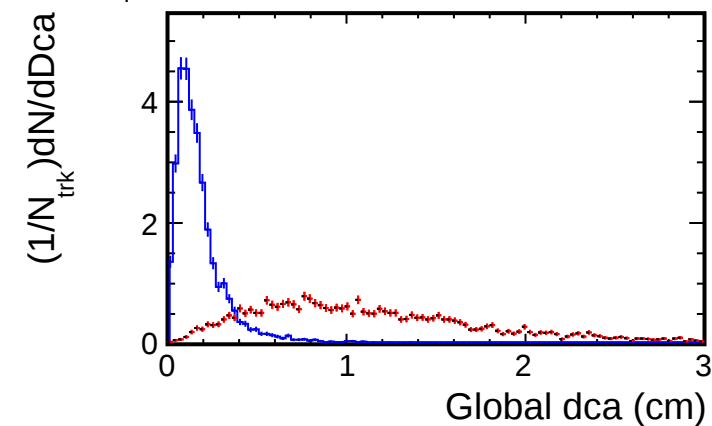
1.4, $1.0 < p_T < 1.5$ (GeV/c)



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

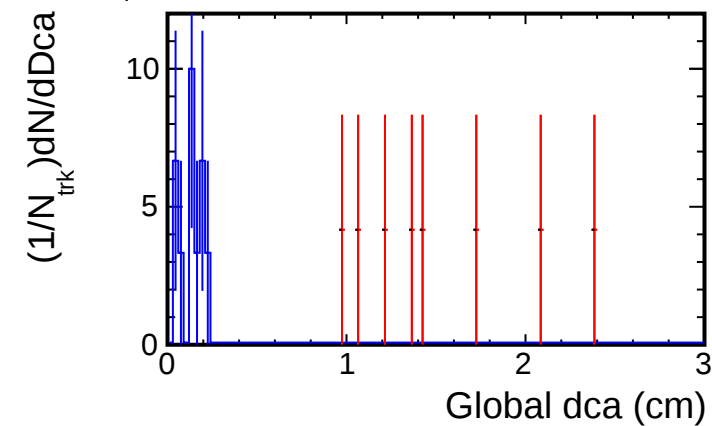
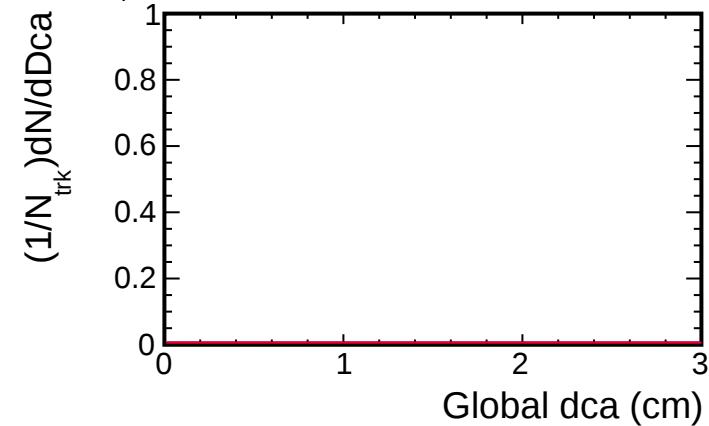
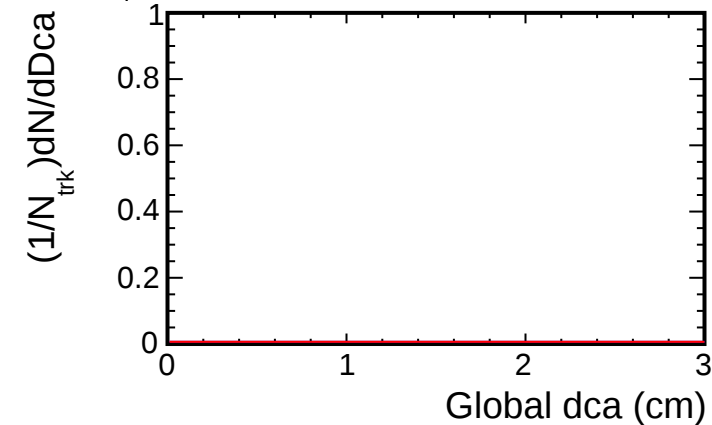
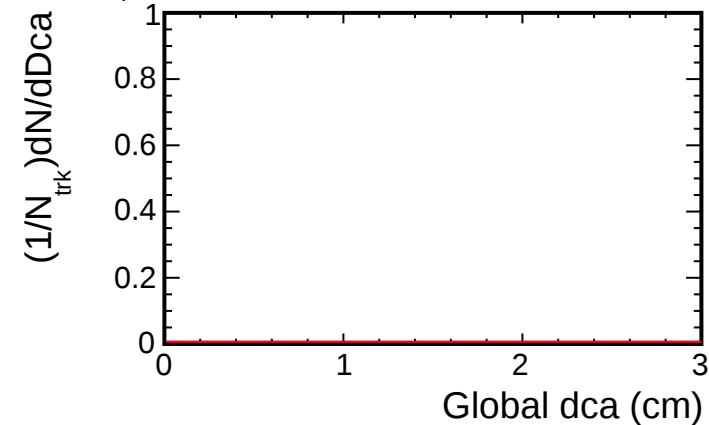
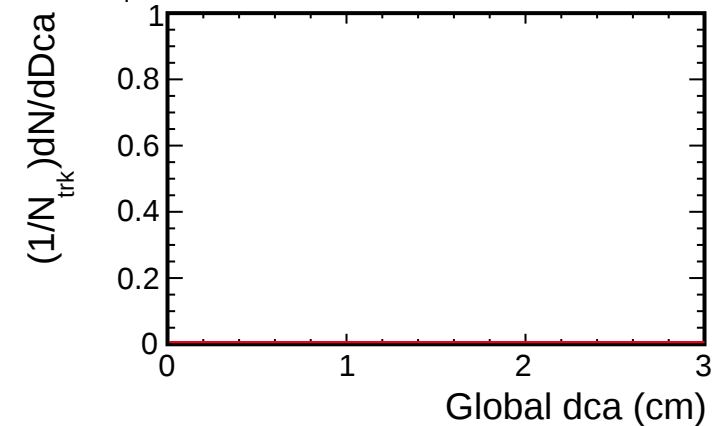


1.0, $1.0 < p_T < 1.5$ (GeV/c)



— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

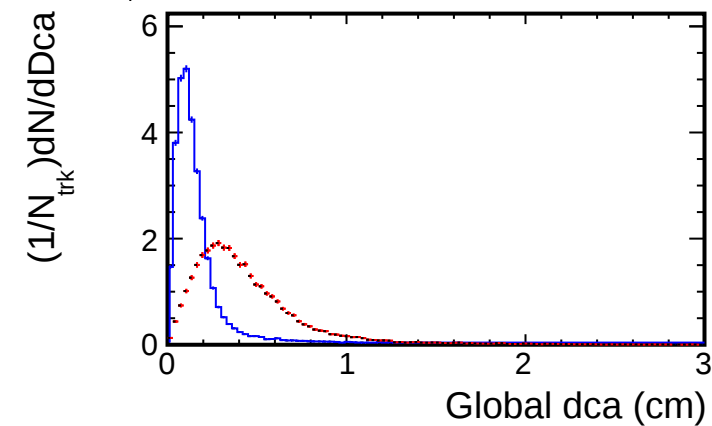
Dca distribution for (p_T , η) slices2, $1.0 < p_T < 1.5$ (GeV/c)4, $1.0 < p_T < 1.5$ (GeV/c)6, $1.0 < p_T < 1.5$ (GeV/c)8, $1.0 < p_T < 1.5$ (GeV/c)0, $1.0 < p_T < 1.5$ (GeV/c)

— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

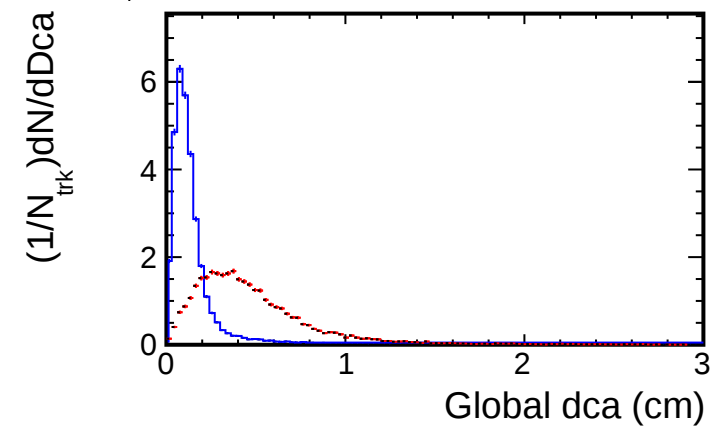
— pi+
(PRIMARY, $|\ln \sigma_{\pi^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices

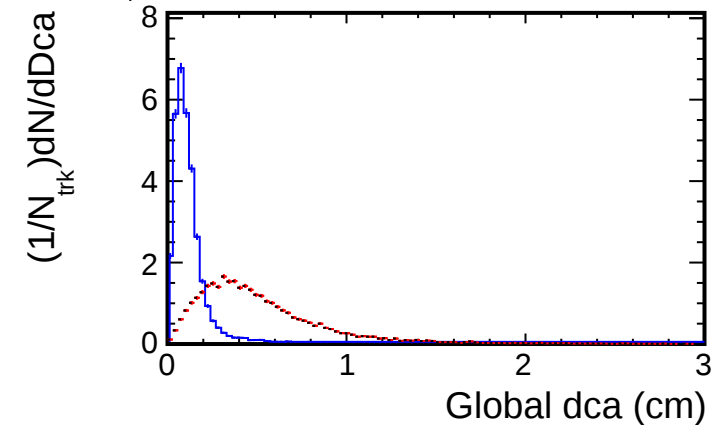
1.8, $1.5 < p_T < 2.0$ (GeV/c)



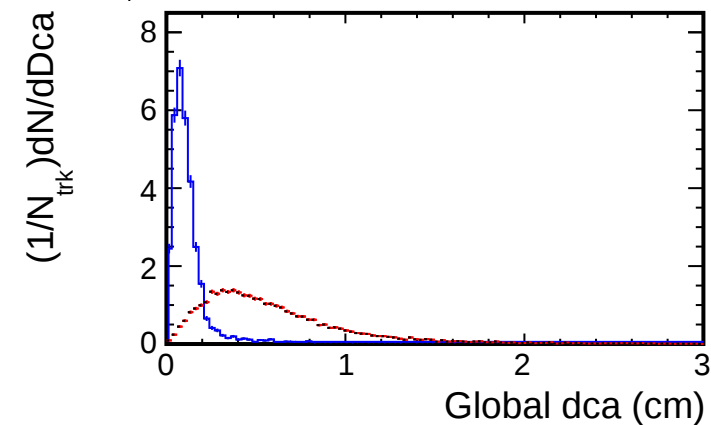
1.6, $1.5 < p_T < 2.0$ (GeV/c)



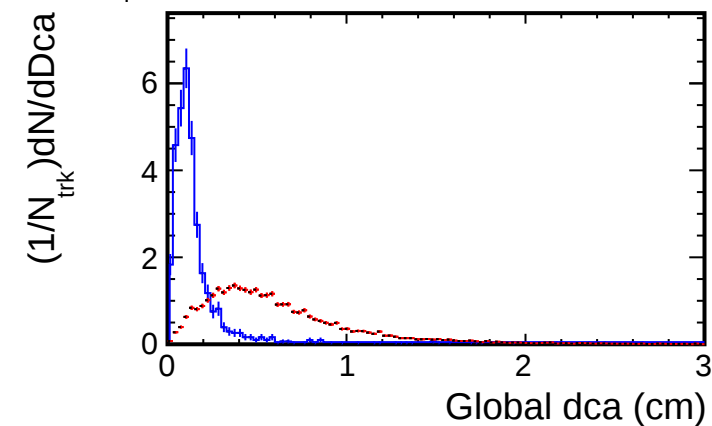
1.4, $1.5 < p_T < 2.0$ (GeV/c)



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

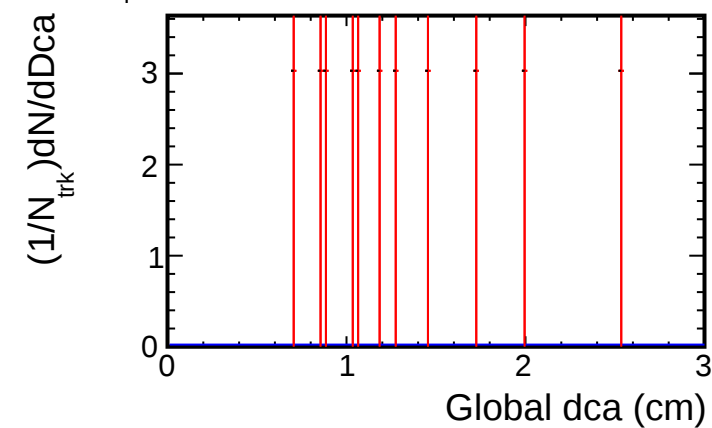
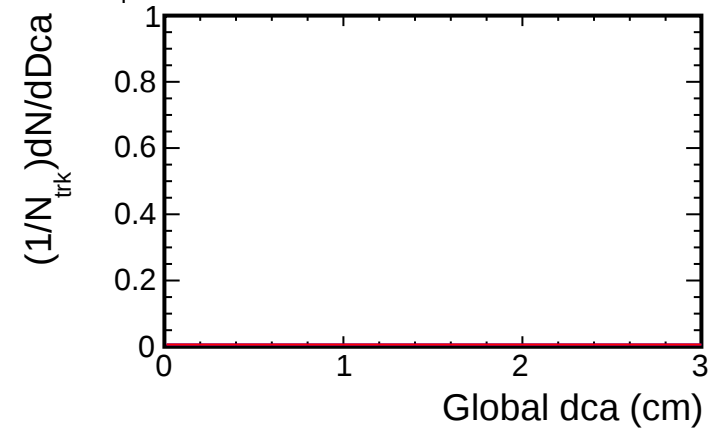
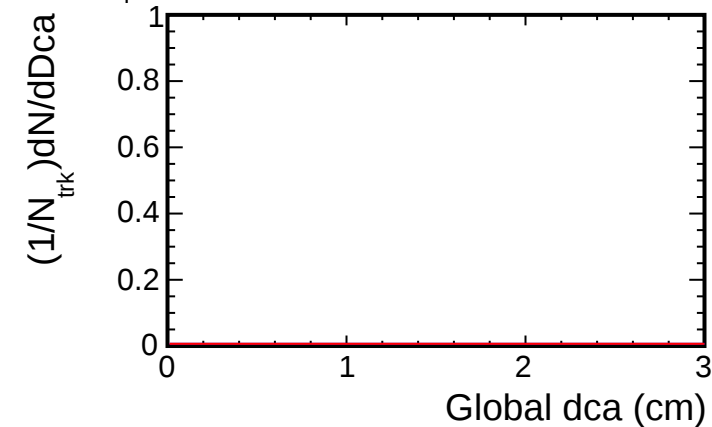
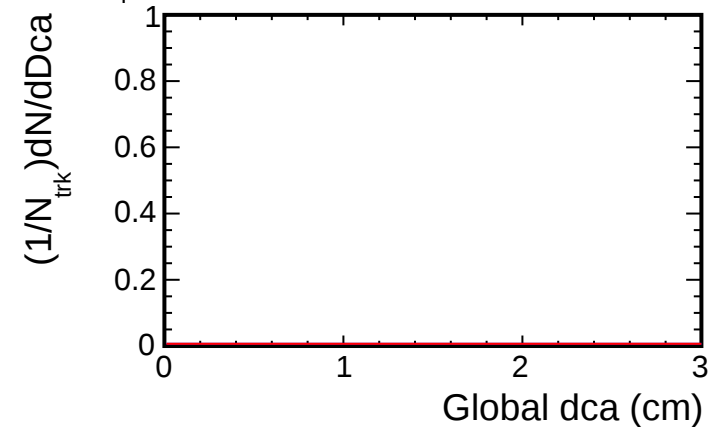
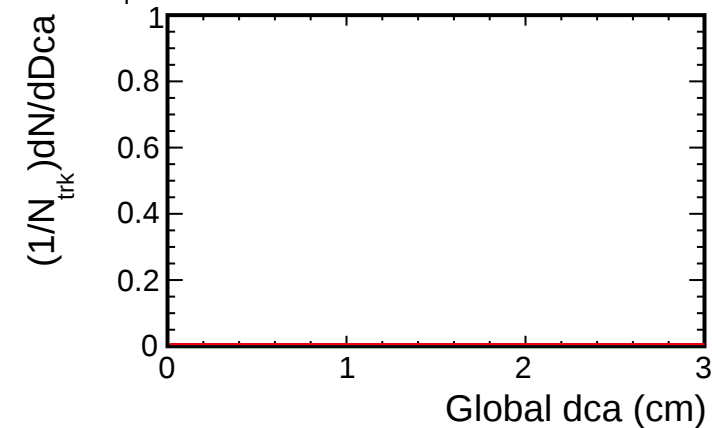


1.0, $1.5 < p_T < 2.0$ (GeV/c)



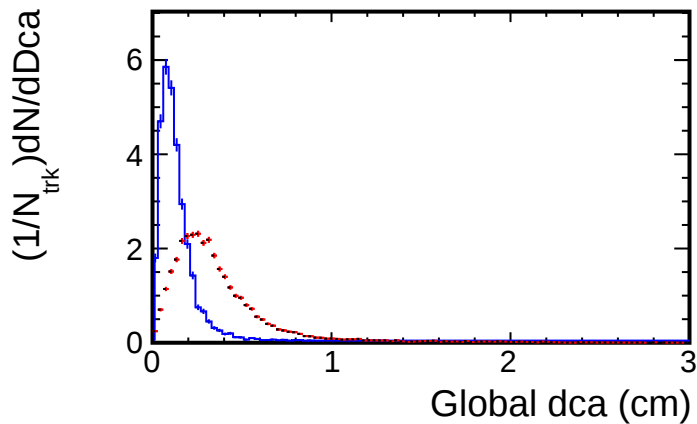
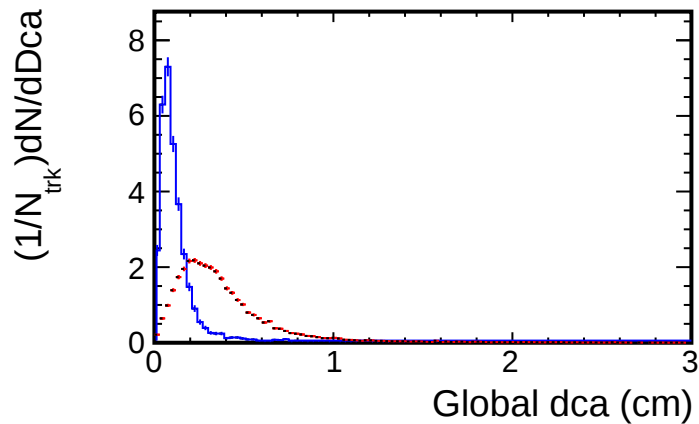
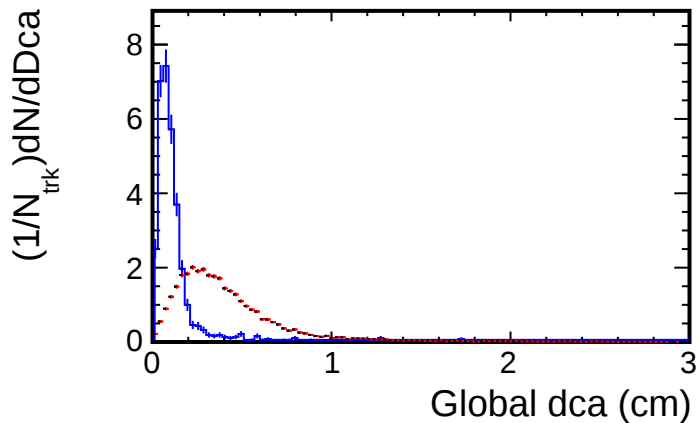
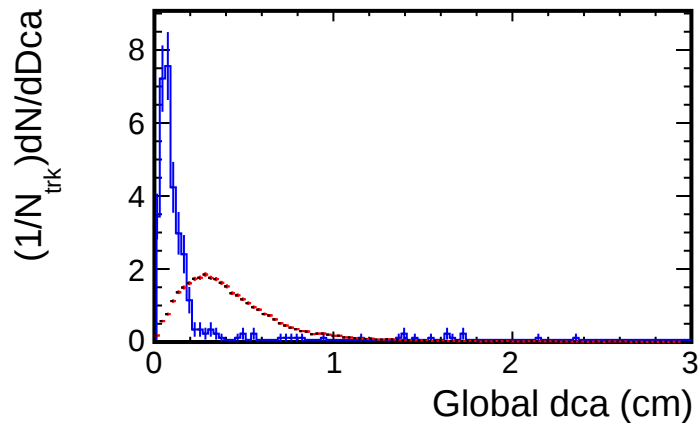
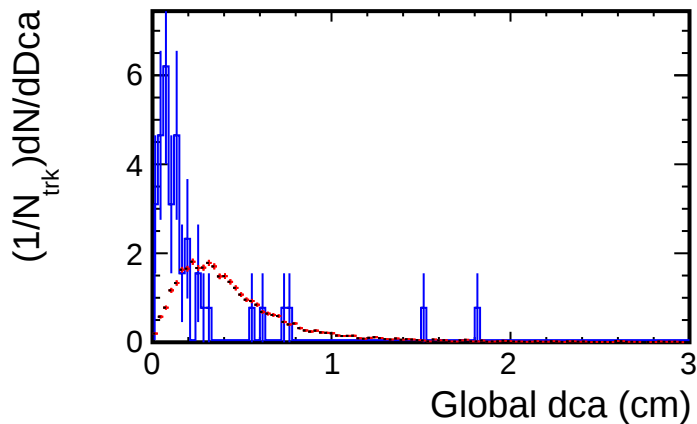
— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

Dca distribution for (p_T , η) slices2, $1.5 < p_T < 2.0$ (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)

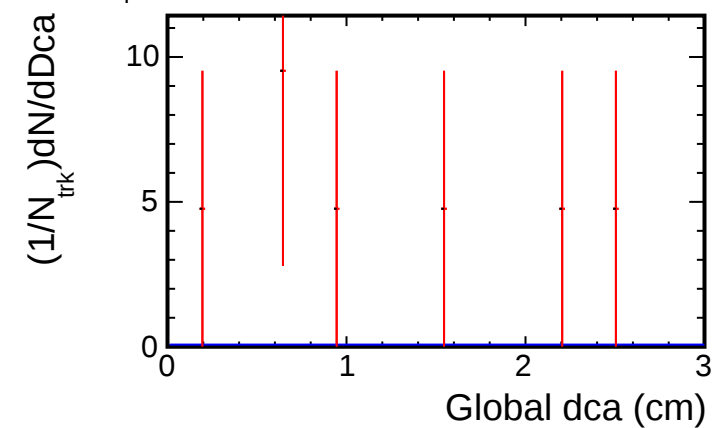
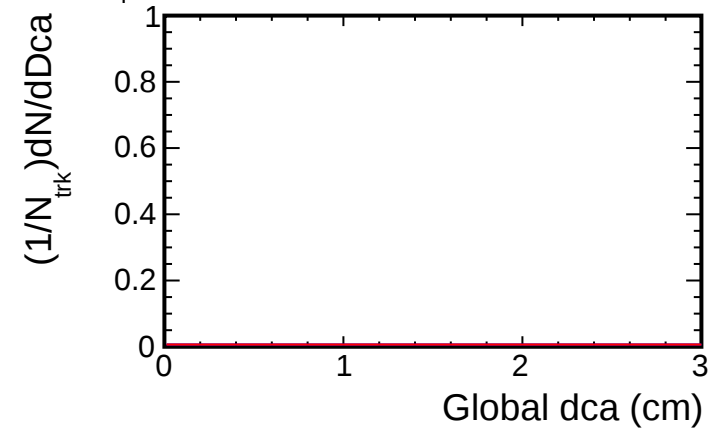
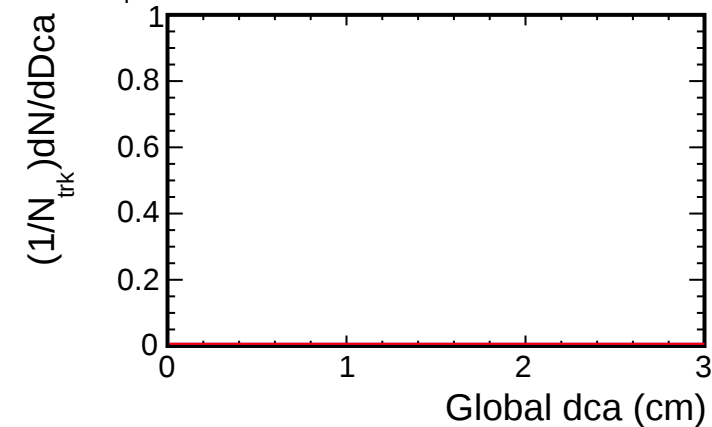
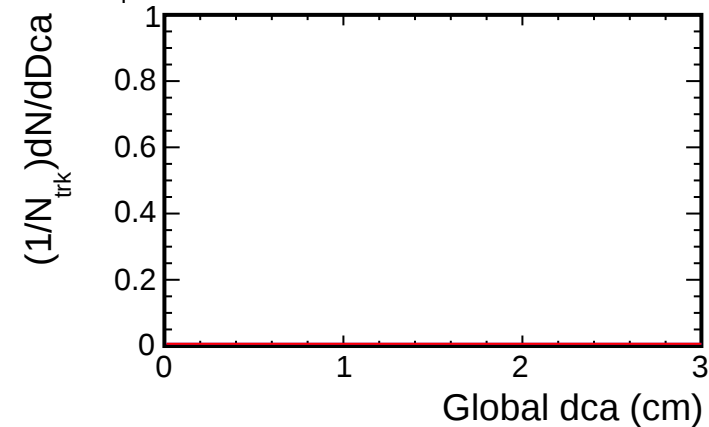
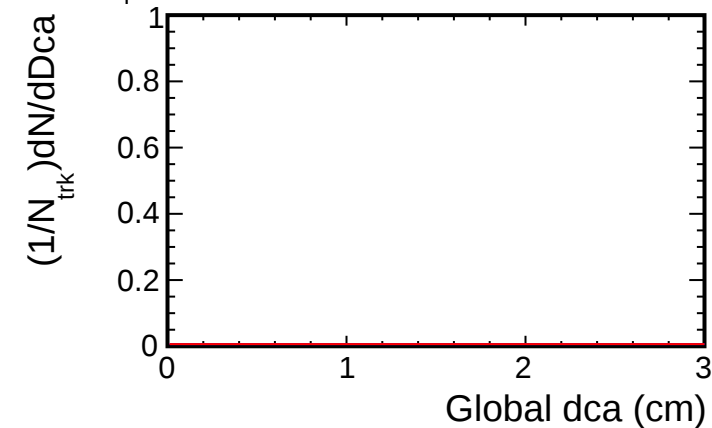
— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

Dca distribution for (p_T , η) slices $1.8, 2.0 < p_T < 2.5$ (GeV/c) $1.6, 2.0 < p_T < 2.5$ (GeV/c) $1.4, 2.0 < p_T < 2.5$ (GeV/c) $1.2, 2.0 < p_T < 2.5$ (GeV/c) $1.0, 2.0 < p_T < 2.5$ (GeV/c)

— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

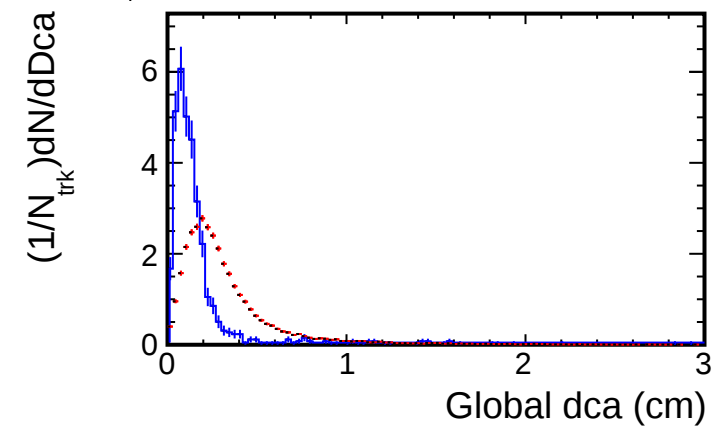
Dca distribution for (p_T , η) slices2, $2.0 < p_T < 2.5$ (GeV/c)4, $2.0 < p_T < 2.5$ (GeV/c)6, $2.0 < p_T < 2.5$ (GeV/c)8, $2.0 < p_T < 2.5$ (GeV/c)0, $2.0 < p_T < 2.5$ (GeV/c)

— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

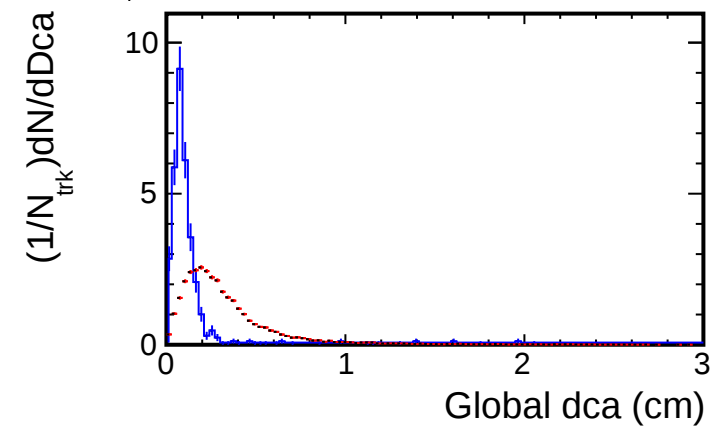
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}+}| < 2$ TPC)

Dca distribution for (p_T , η) slices

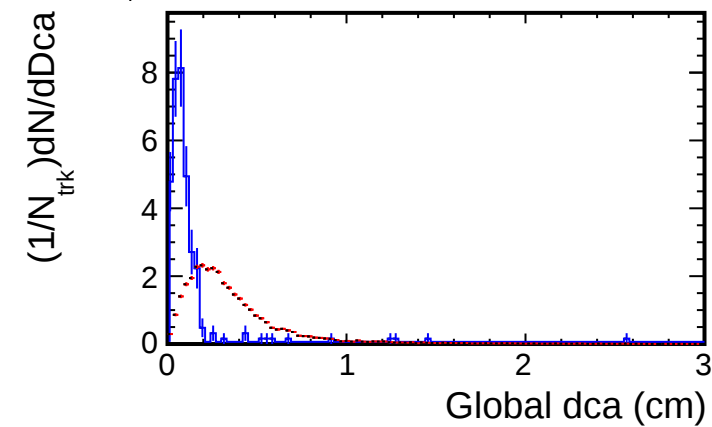
1.8, $2.5 < p_T < 3.0$ (GeV/c)



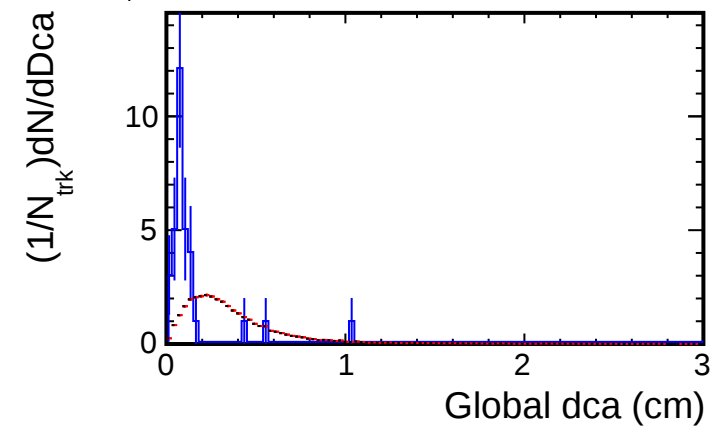
1.6, $2.5 < p_T < 3.0$ (GeV/c)



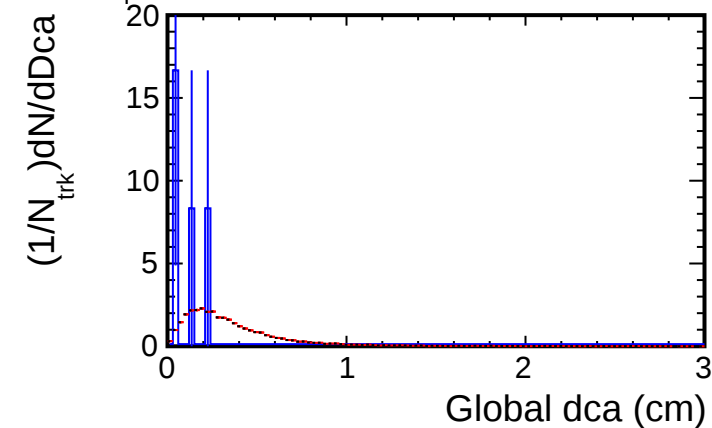
1.4, $2.5 < p_T < 3.0$ (GeV/c)



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

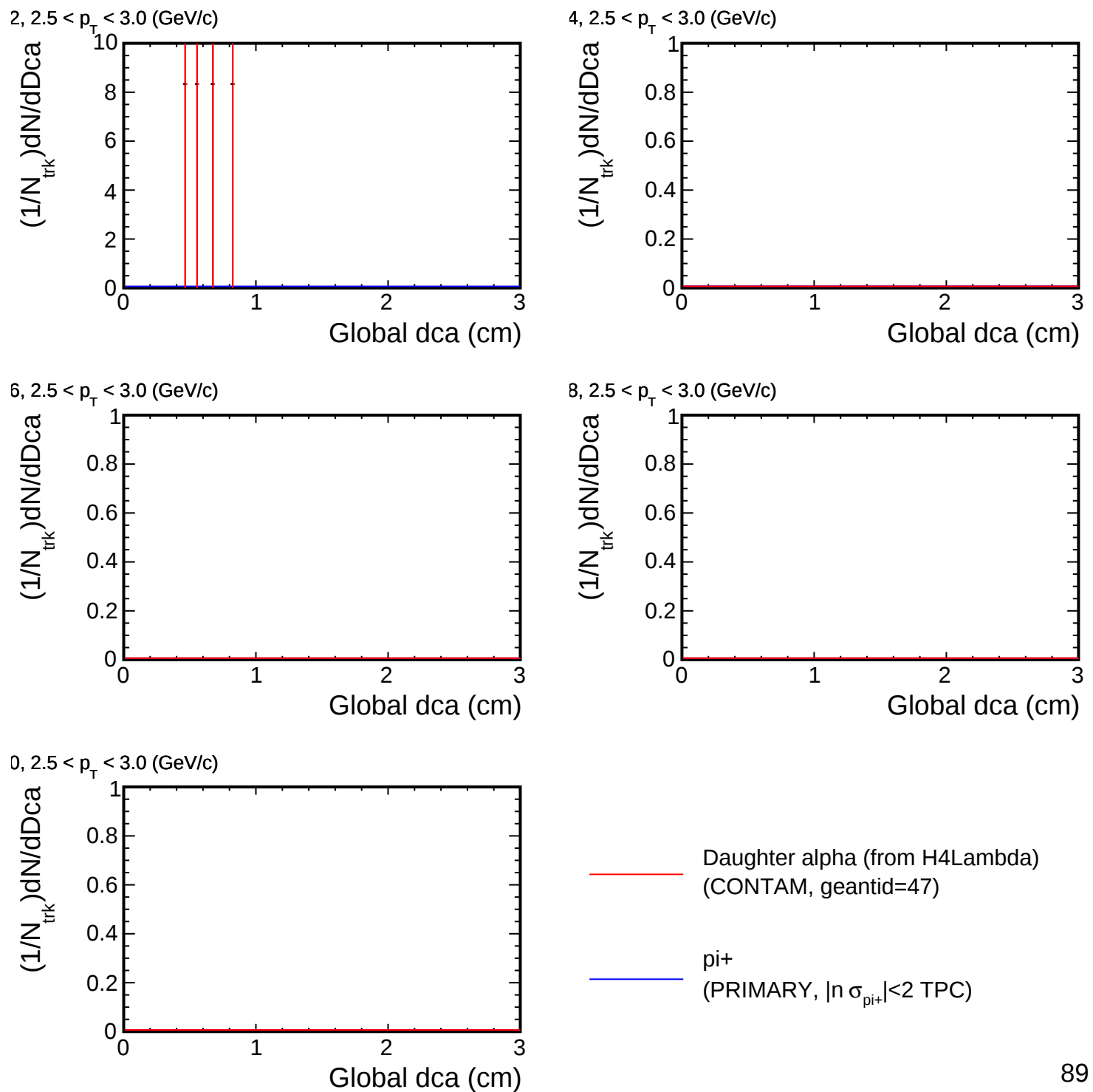


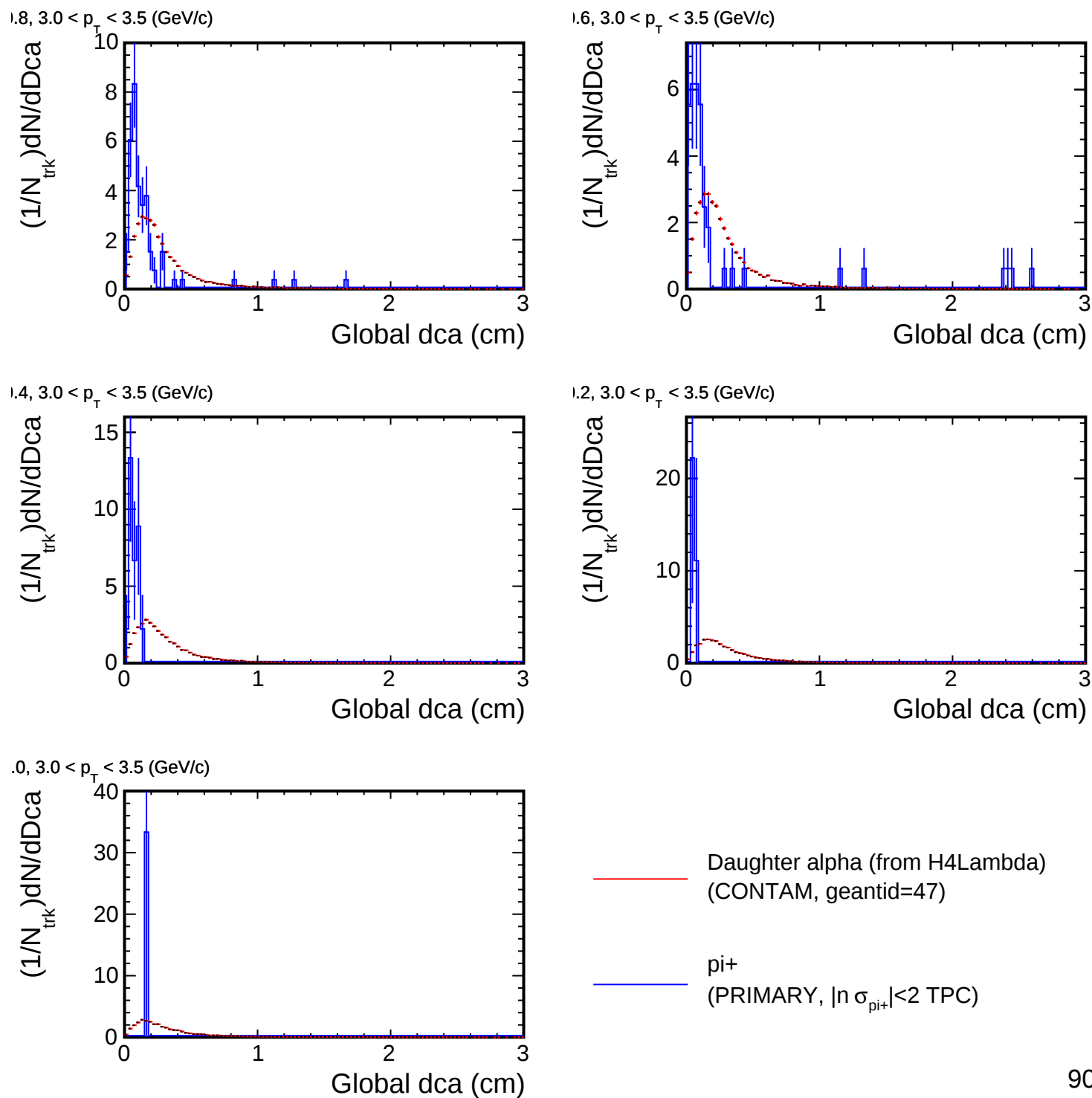
1.0, $2.5 < p_T < 3.0$ (GeV/c)

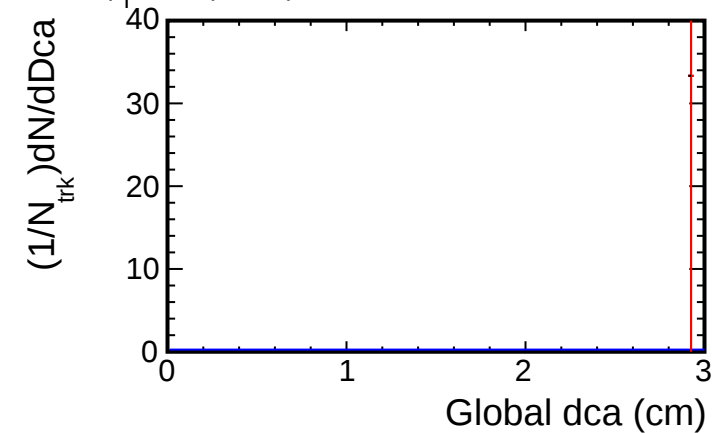
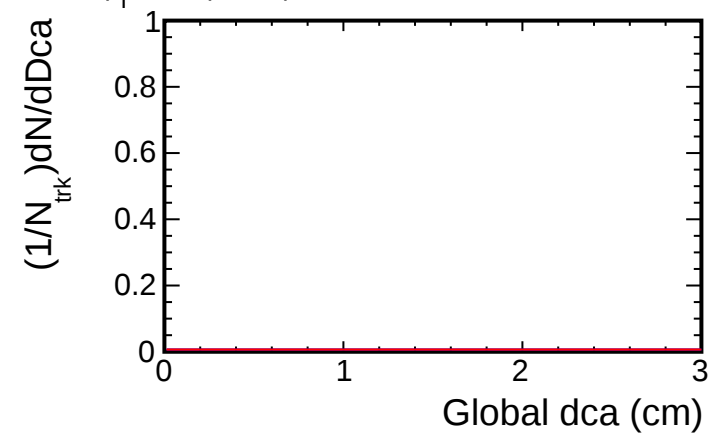
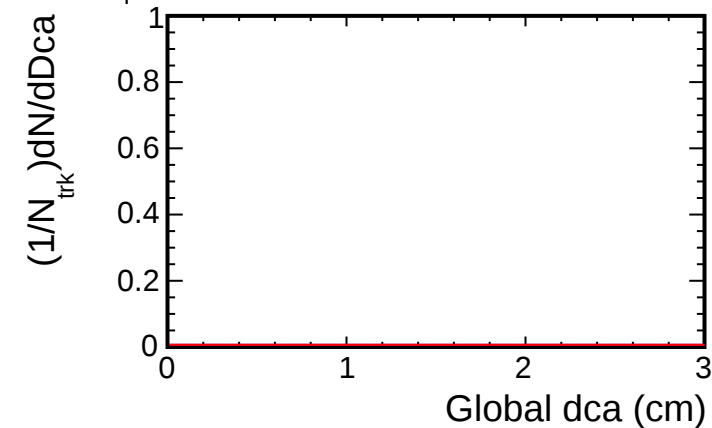
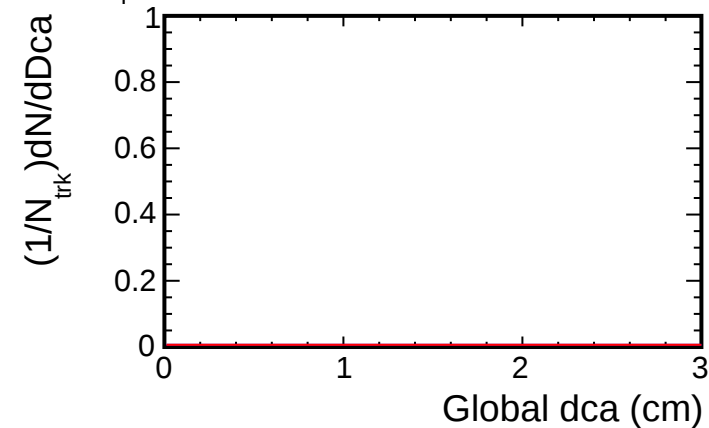
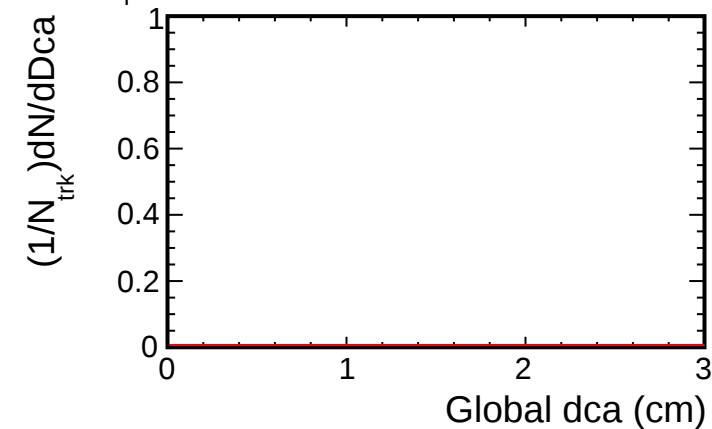


— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

Dca distribution for (p_T , η) slices

Dca distribution for (p_T , η) slices

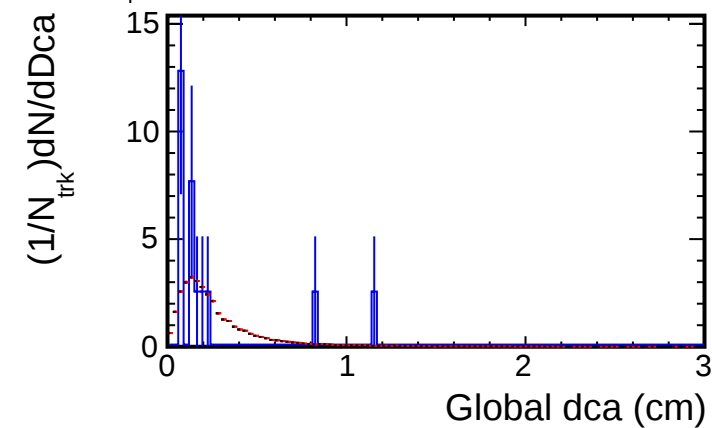
Dca distribution for (p_T , η) slices2, $3.0 < p_T < 3.5$ (GeV/c)4, $3.0 < p_T < 3.5$ (GeV/c)6, $3.0 < p_T < 3.5$ (GeV/c)8, $3.0 < p_T < 3.5$ (GeV/c)0, $3.0 < p_T < 3.5$ (GeV/c)

— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

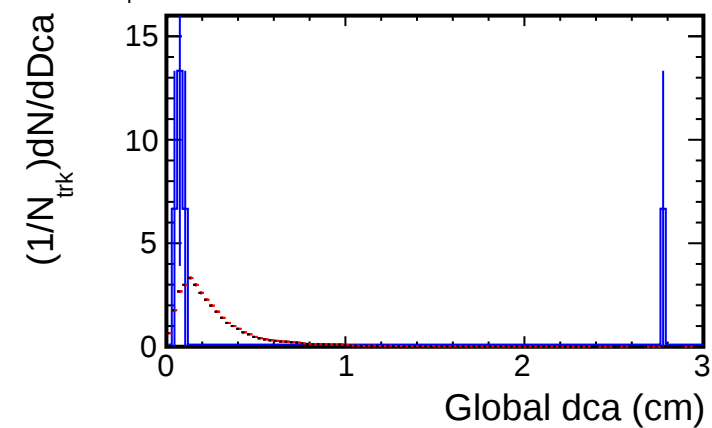
— π^+
(PRIMARY, $|\ln \sigma_{\pi^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices

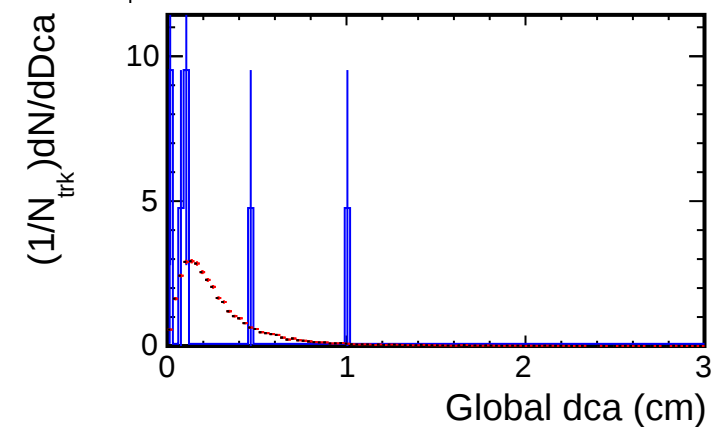
1.8, $3.5 < p_T < 4.0$ (GeV/c)



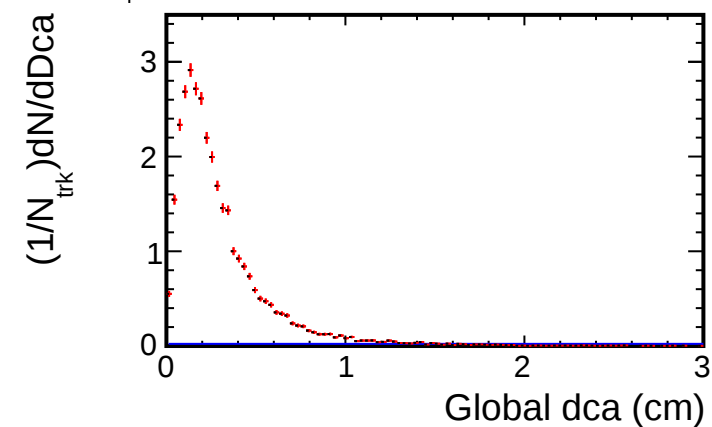
1.6, $3.5 < p_T < 4.0$ (GeV/c)



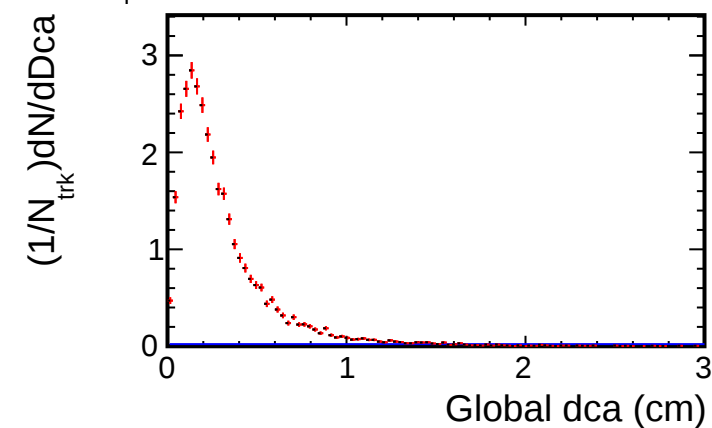
1.4, $3.5 < p_T < 4.0$ (GeV/c)



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

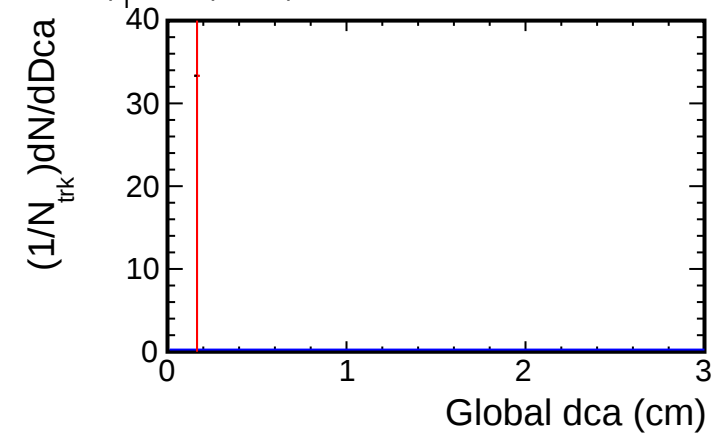
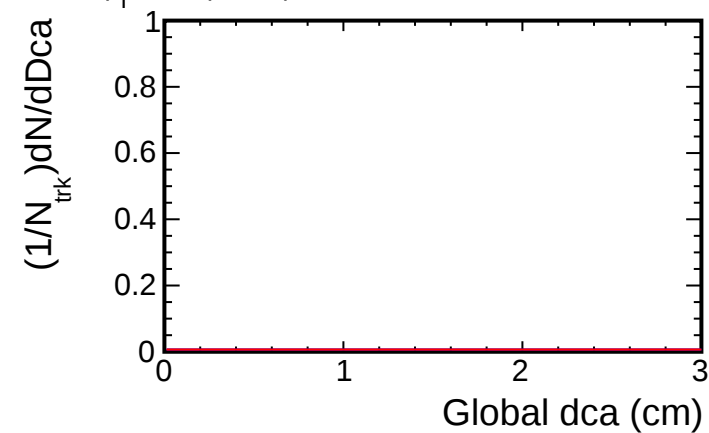
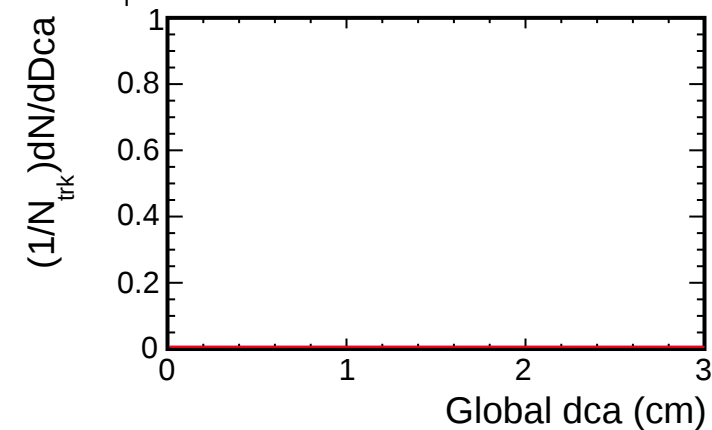
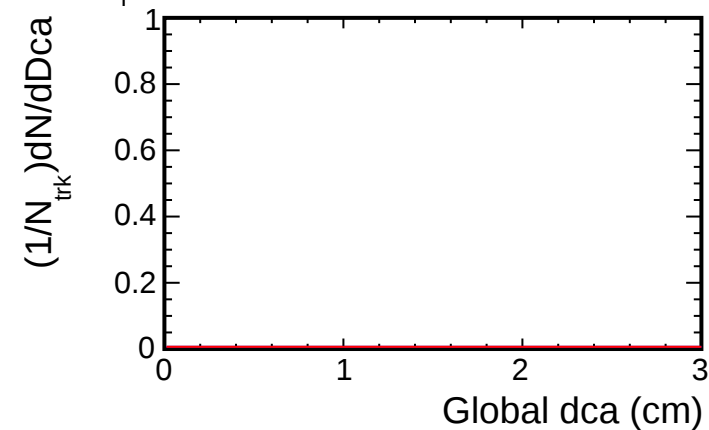
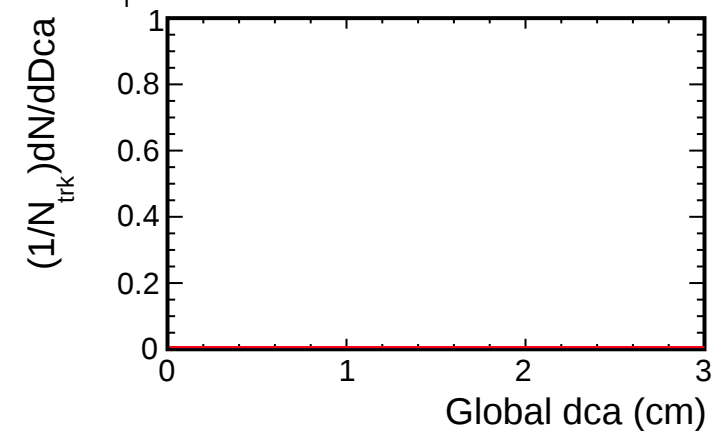


1.0, $3.5 < p_T < 4.0$ (GeV/c)



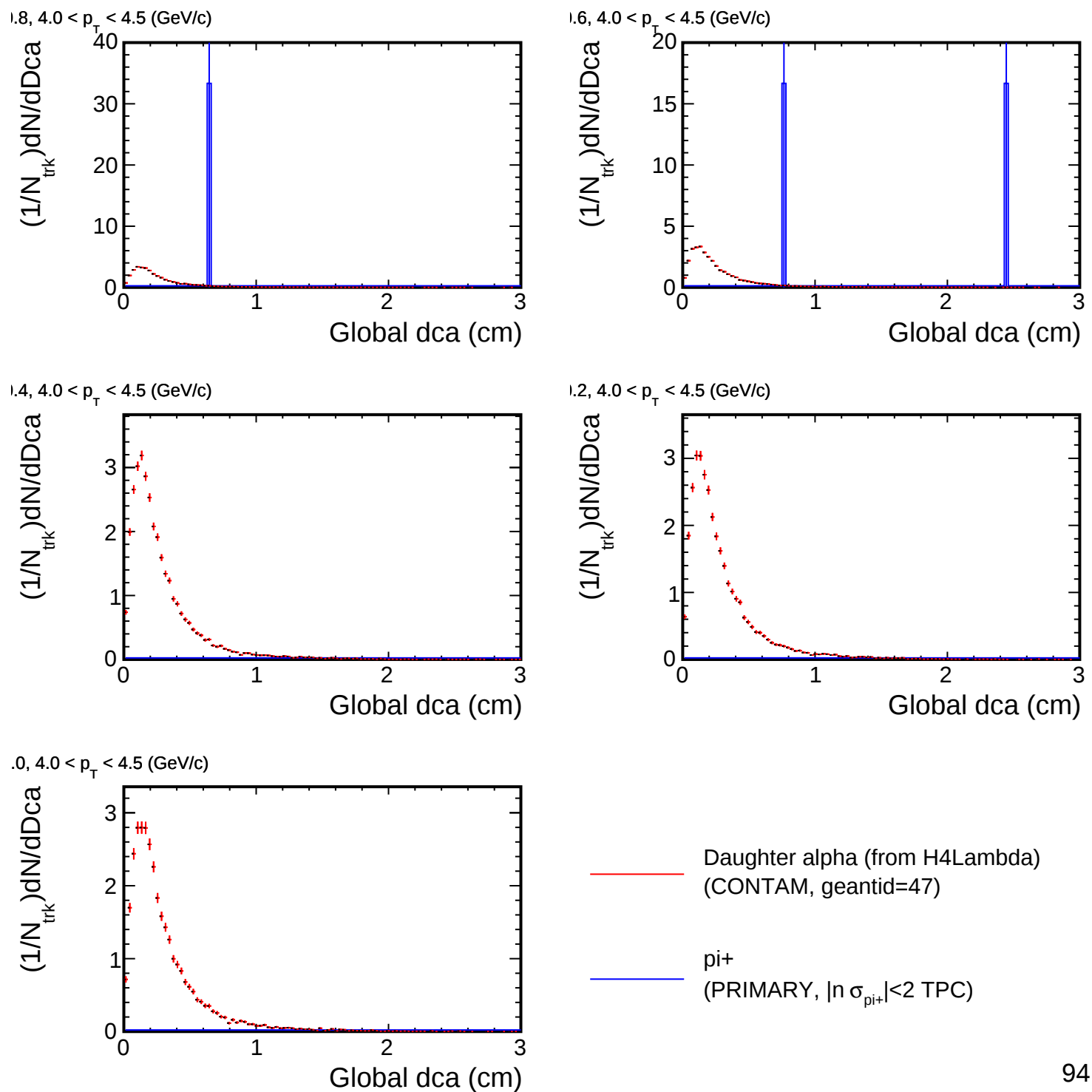
— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

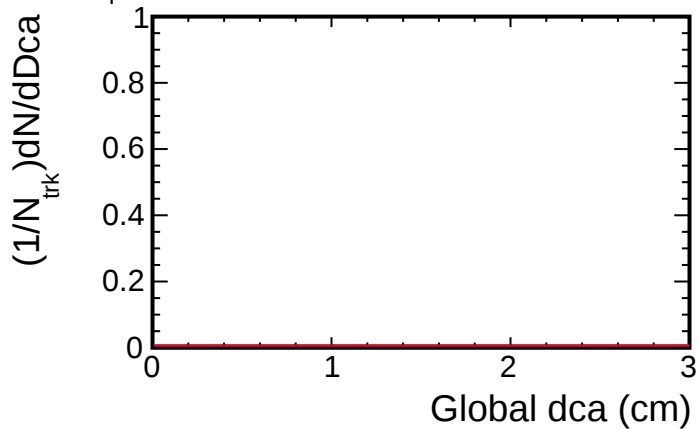
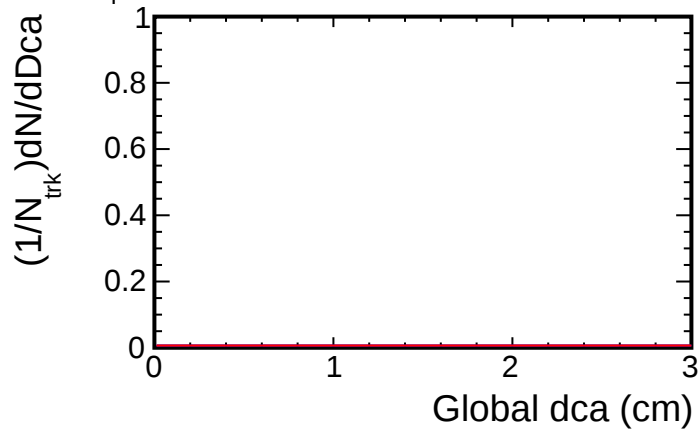
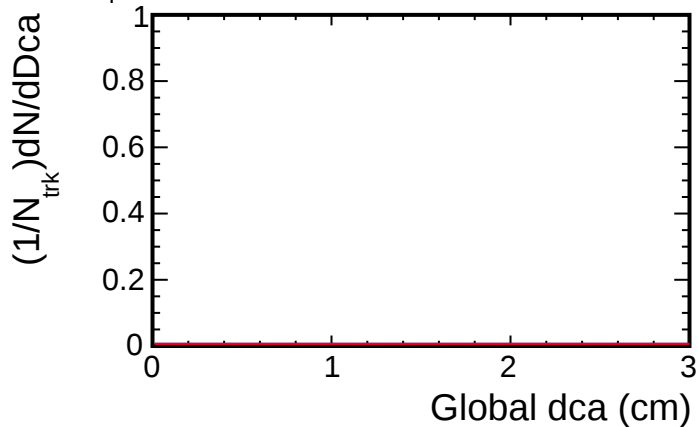
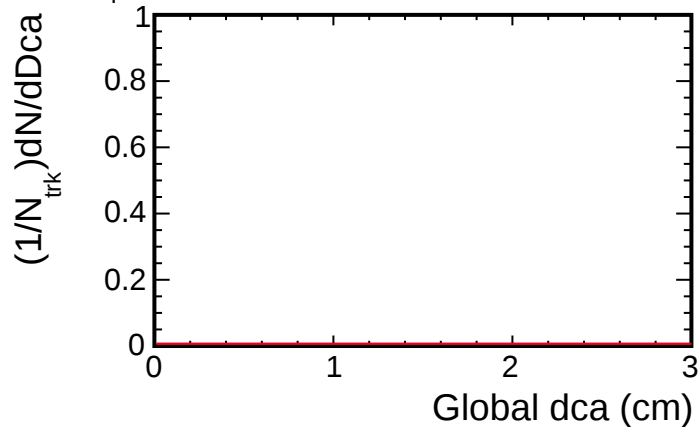
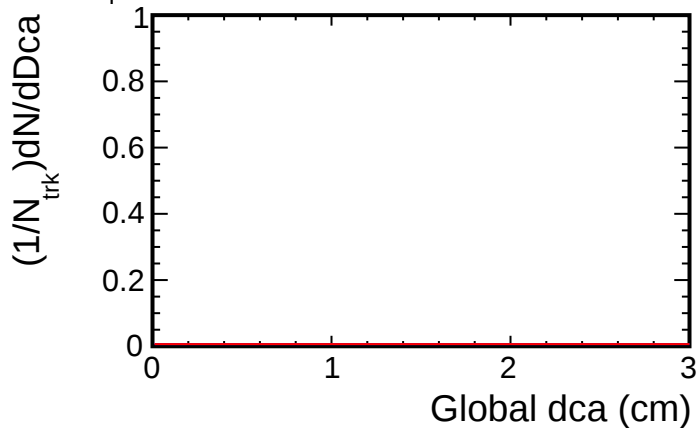
— π^+
(PRIMARY, $|\ln \sigma_{\pi^+}| < 2$ TPC)

Dca distribution for (p_T , η) slices2, $3.5 < p_T < 4.0$ (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 alpha (from H4Lambda)
(CONTAM, geantid=47)

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

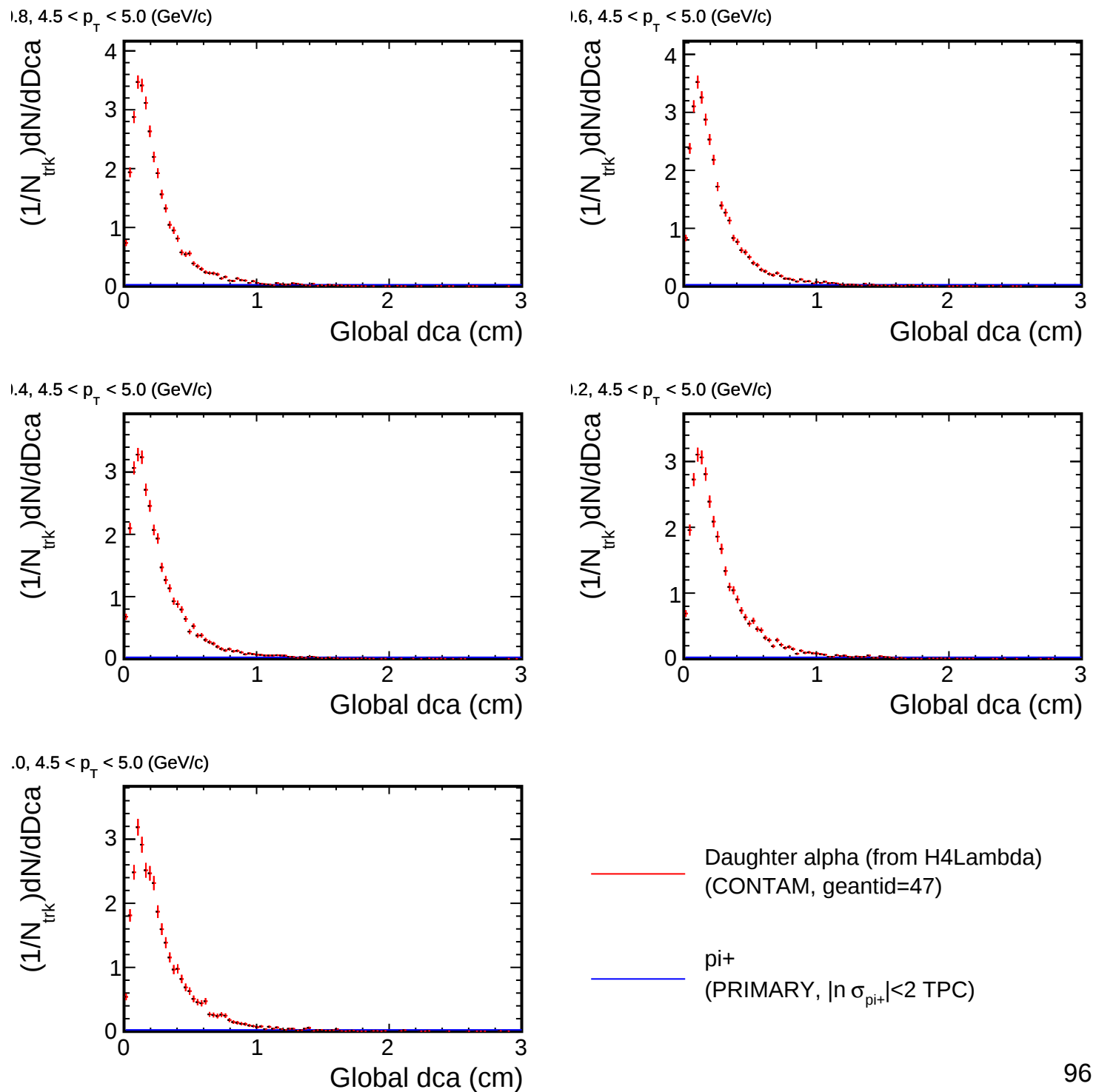
Dca distribution for (p_T , η) slices

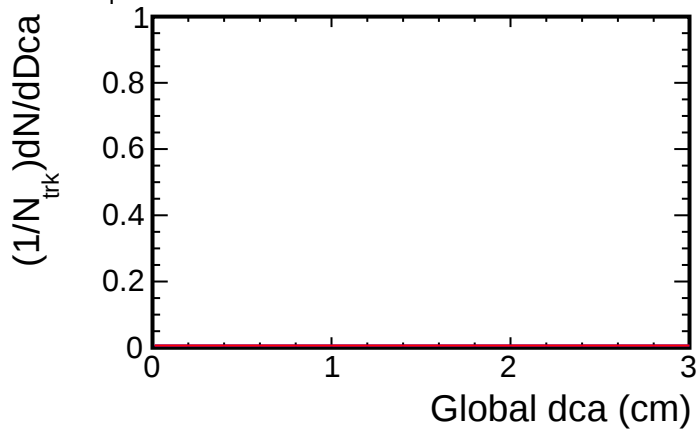
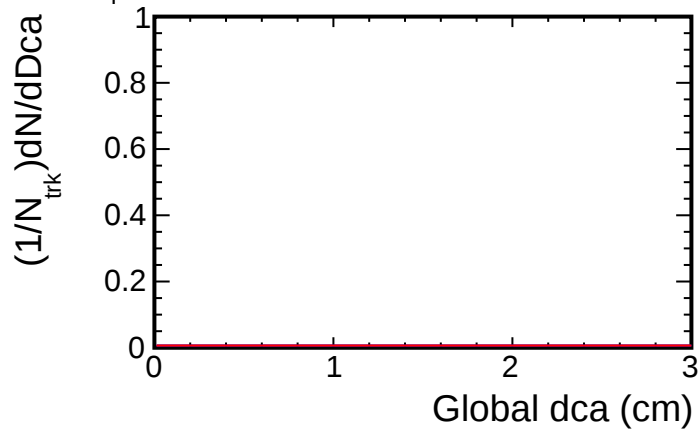
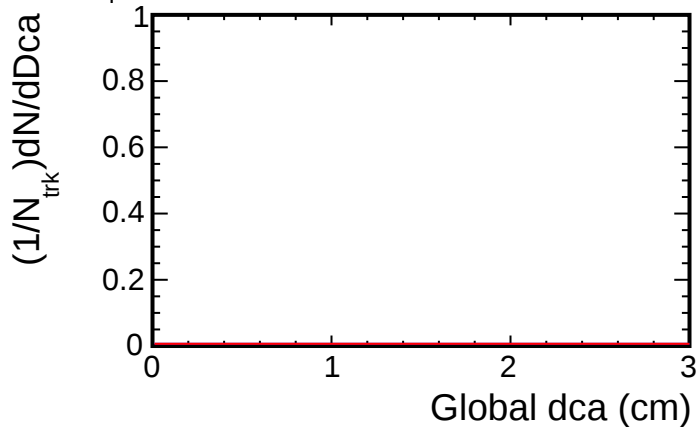
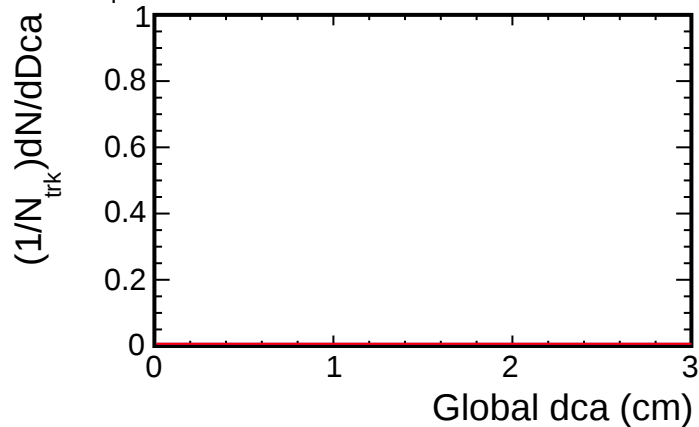
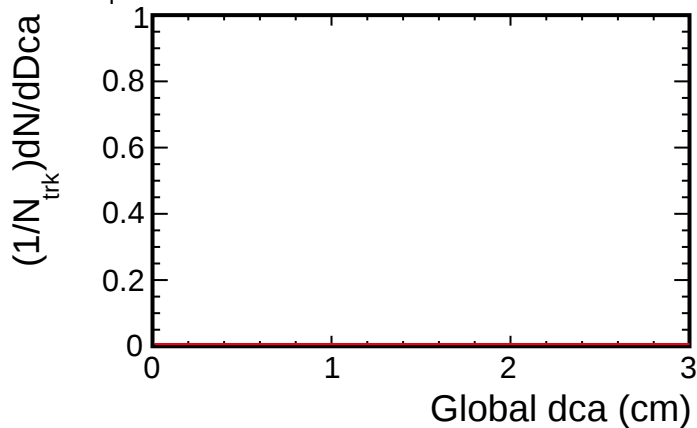
Dca distribution for (p_T , η) slices2, $4.0 < p_T < 4.5$ (GeV/c)4, $4.0 < p_T < 4.5$ (GeV/c)6, $4.0 < p_T < 4.5$ (GeV/c)8, $4.0 < p_T < 4.5$ (GeV/c)0, $4.0 < p_T < 4.5$ (GeV/c)

— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

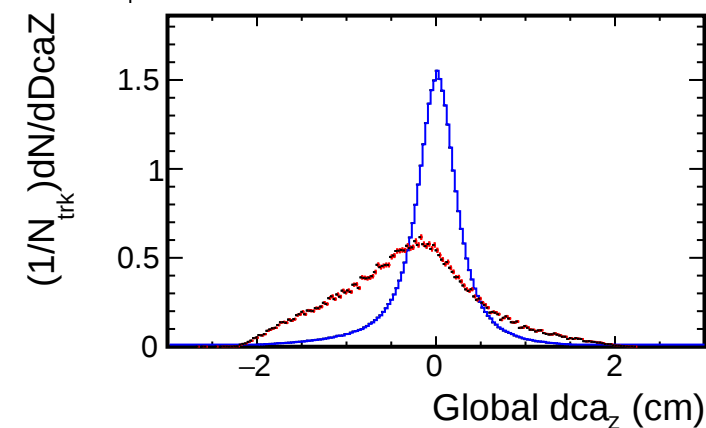
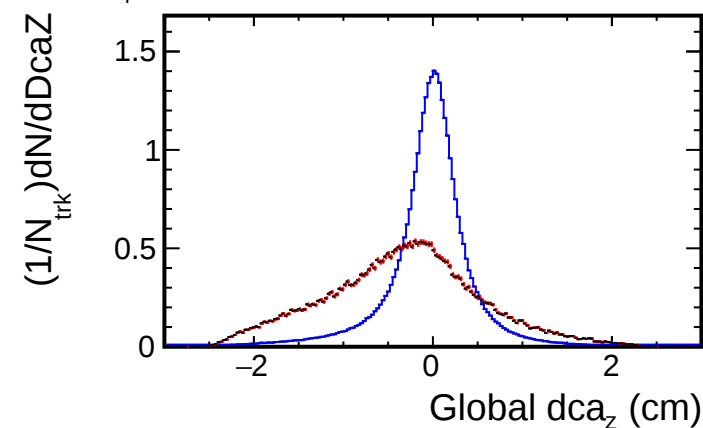
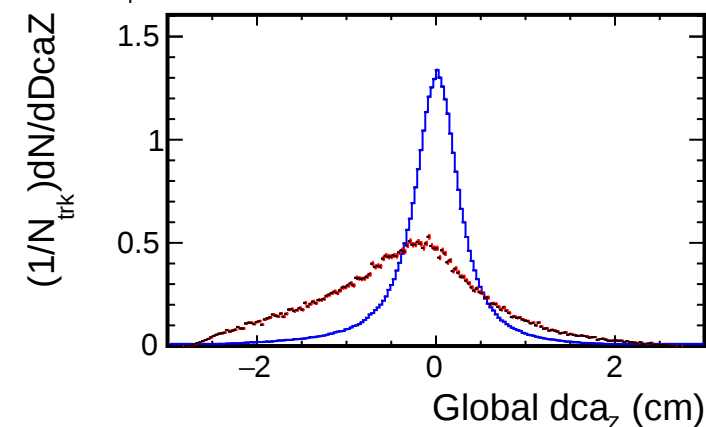
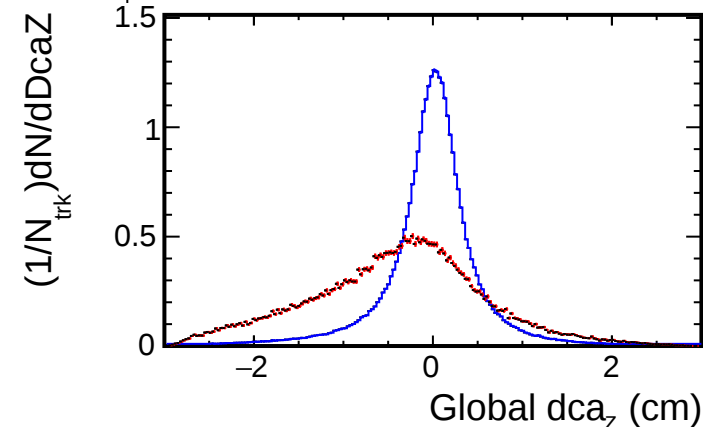
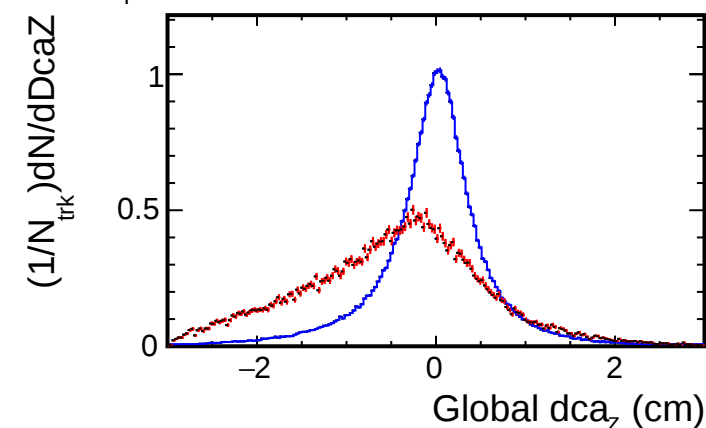
Dca distribution for (p_T , η) slices



Dca distribution for (p_T , η) slices2, $4.5 < p_T < 5.0$ (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)

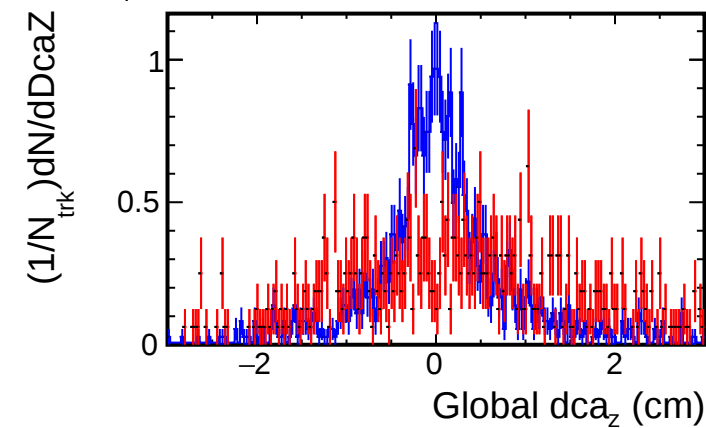
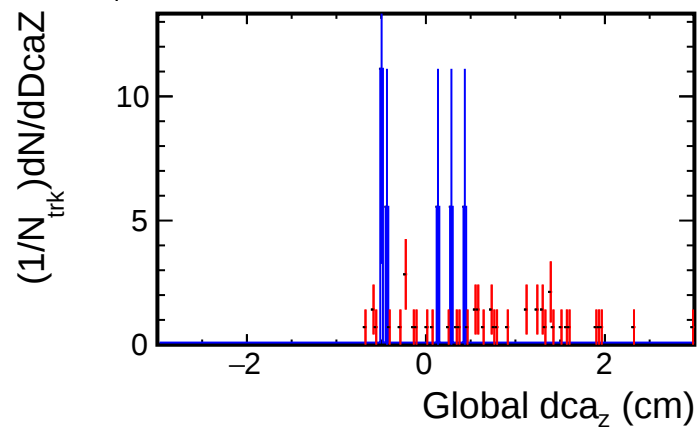
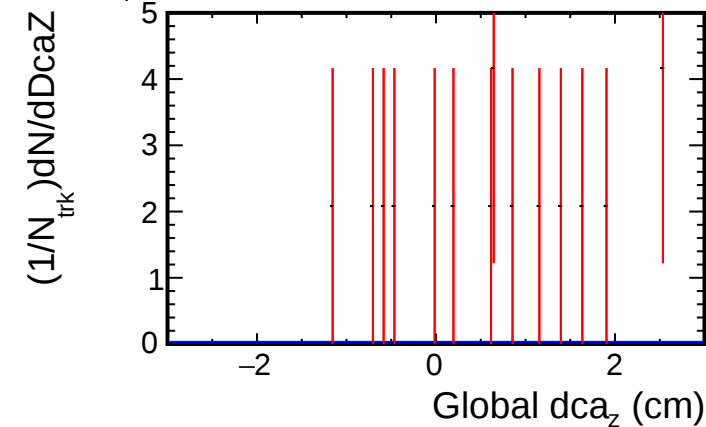
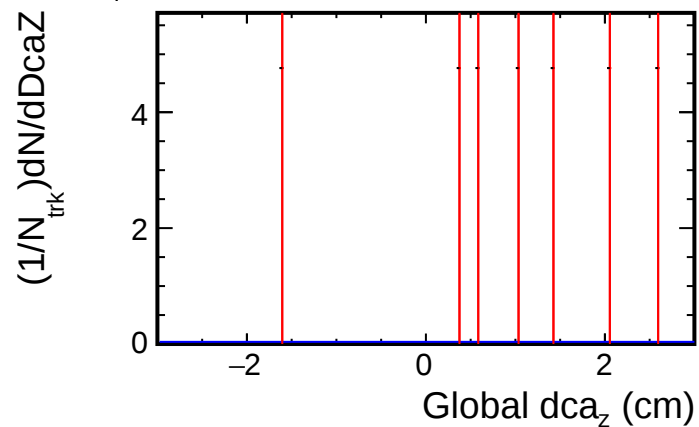
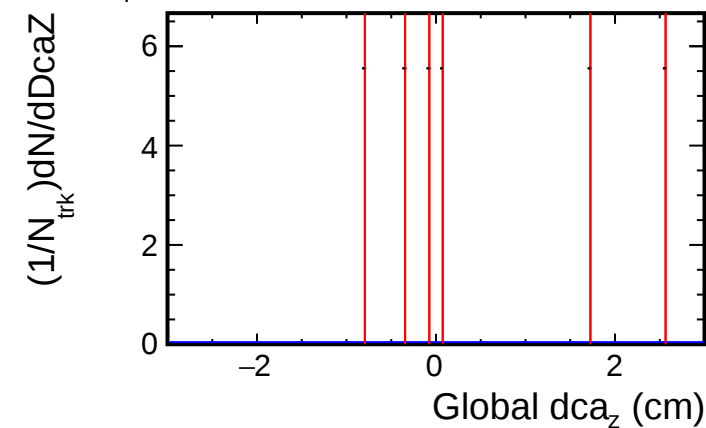
— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

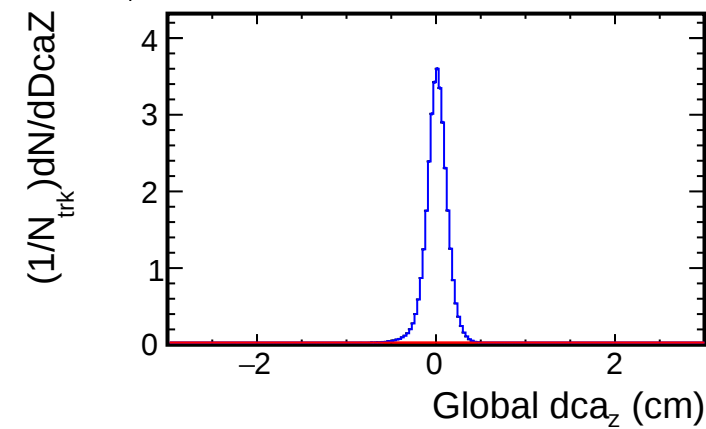
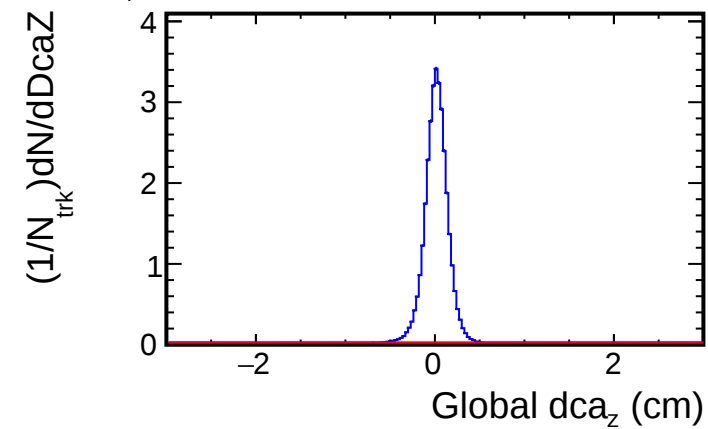
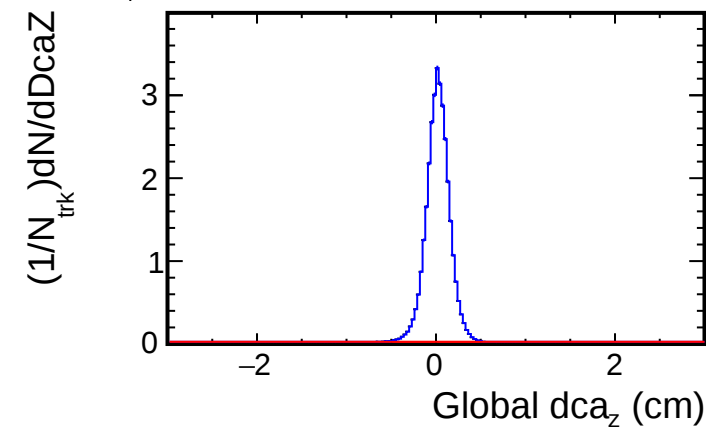
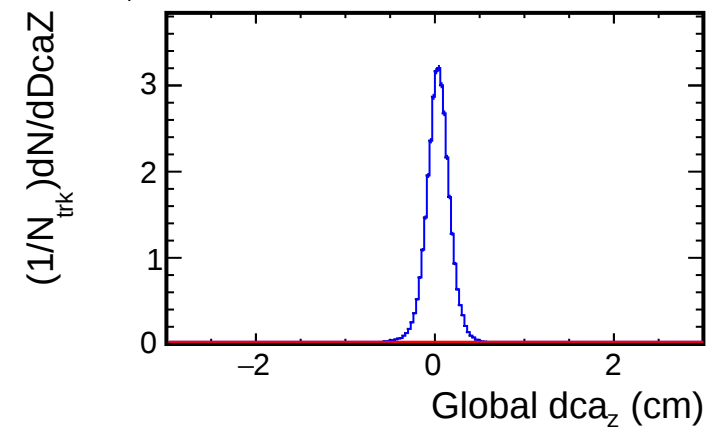
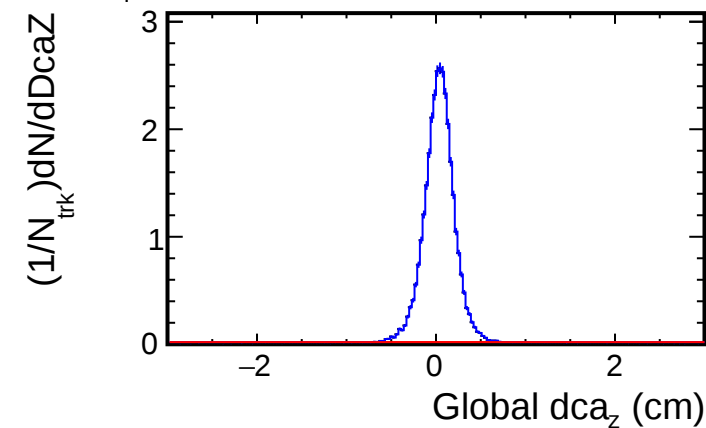
— Daughter π^- (from H4Lambda)
(CONTAM, geantid=9)

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

DcaZ distribution for (p_T , η) slices2, $0.1 < p_T < 0.5$ (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)

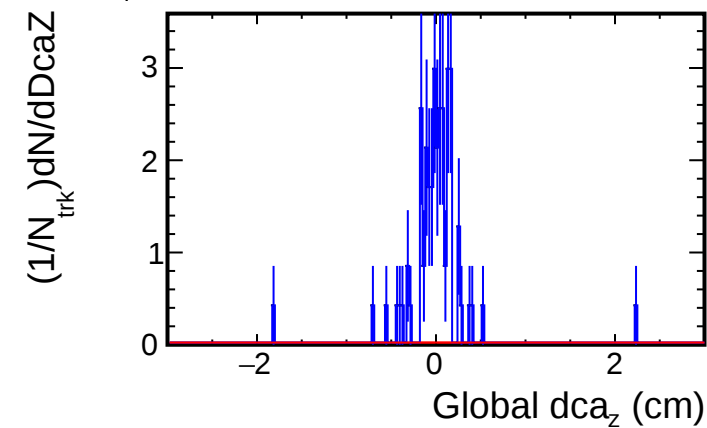
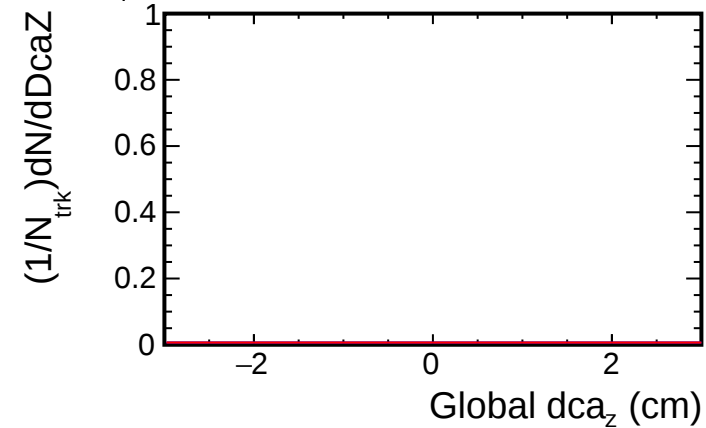
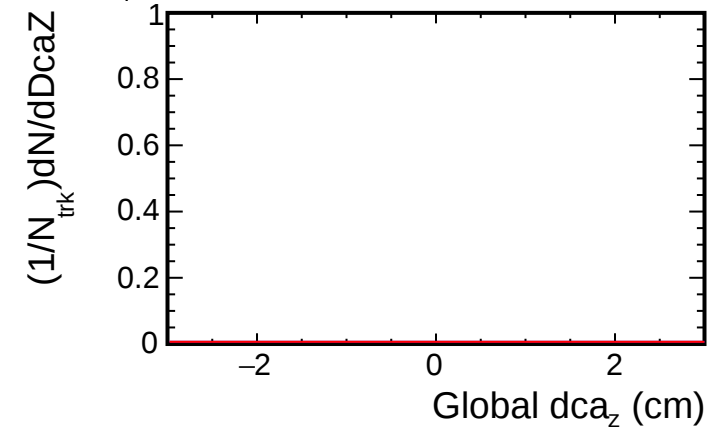
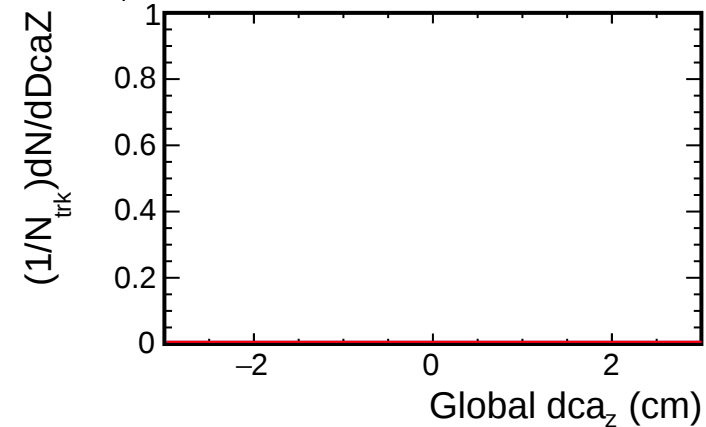
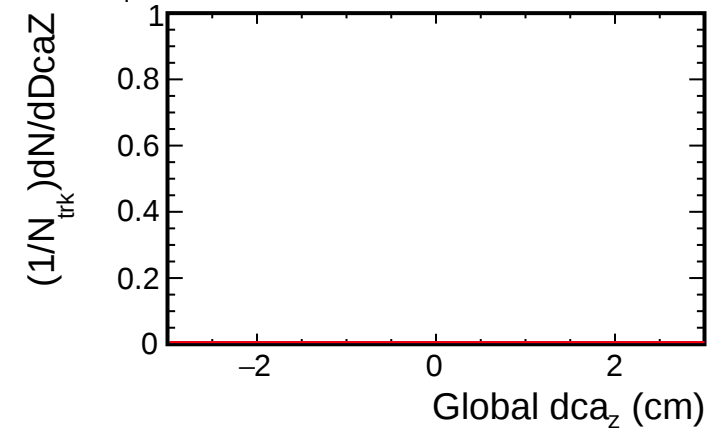
— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

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

DcaZ distribution for (p_T , η) slices $1.8, 0.5 < p_T < 1.0$ (GeV/c) $1.6, 0.5 < p_T < 1.0$ (GeV/c) $1.4, 0.5 < p_T < 1.0$ (GeV/c) $1.2, 0.5 < p_T < 1.0$ (GeV/c) $1.0, 0.5 < p_T < 1.0$ (GeV/c)

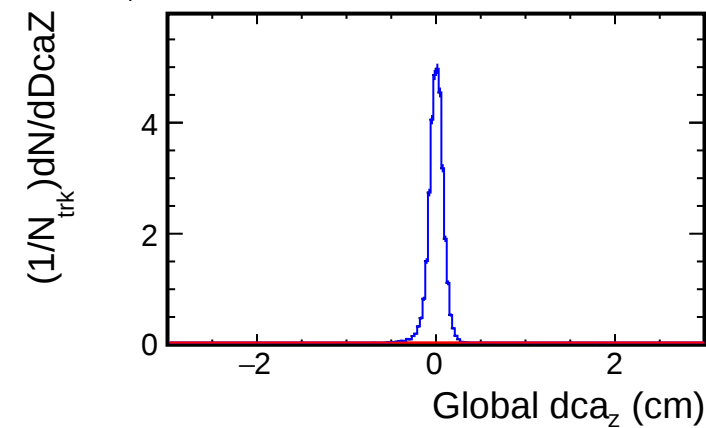
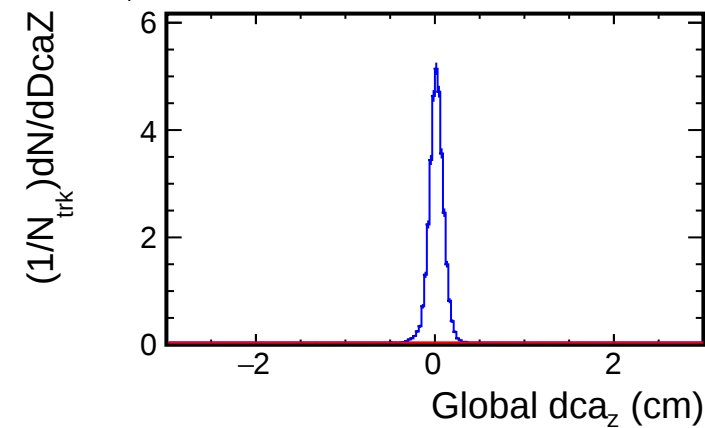
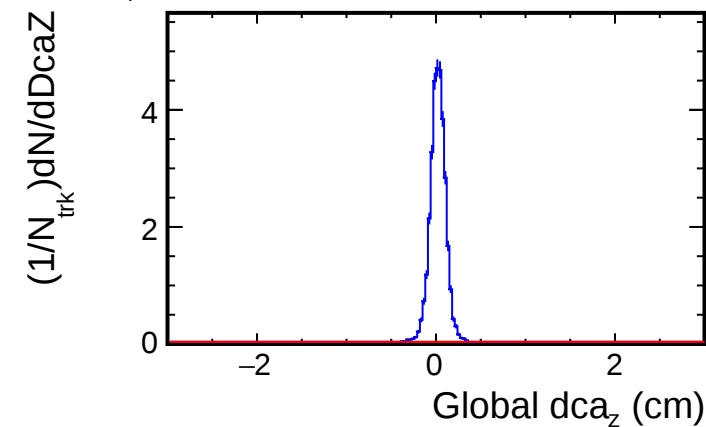
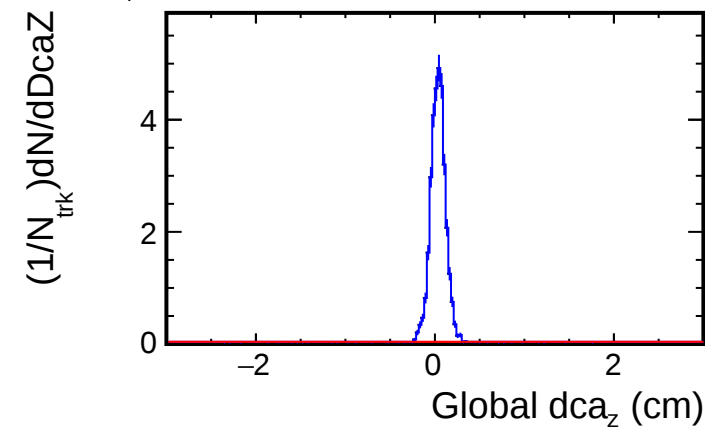
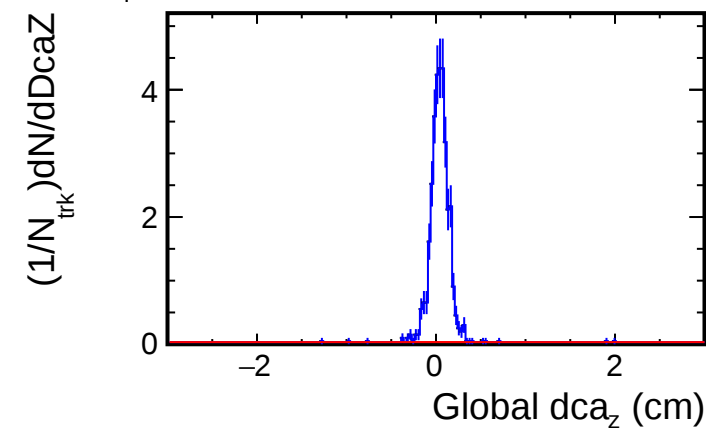
— Daughter π^- (from H4Lambda)
(CONTAM, geantid=9)

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

DcaZ distribution for (p_T , η) slices2, $0.5 < p_T < 1.0$ (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)

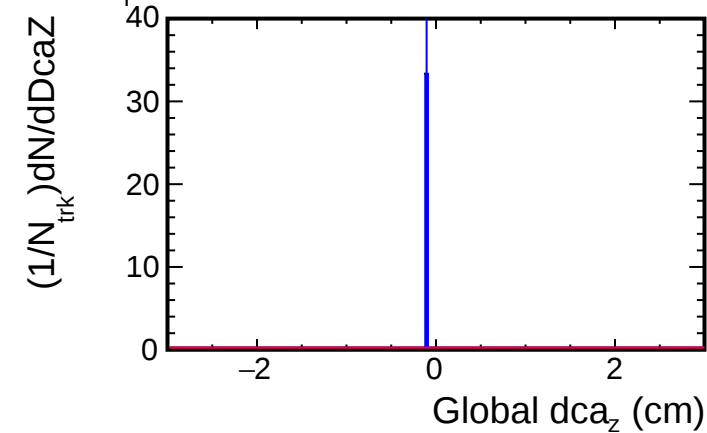
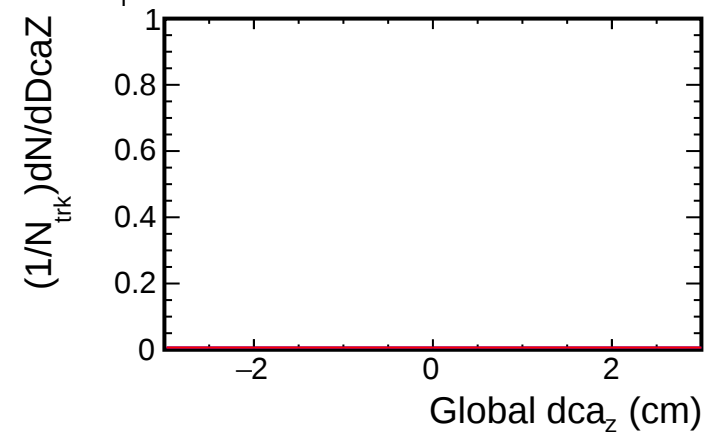
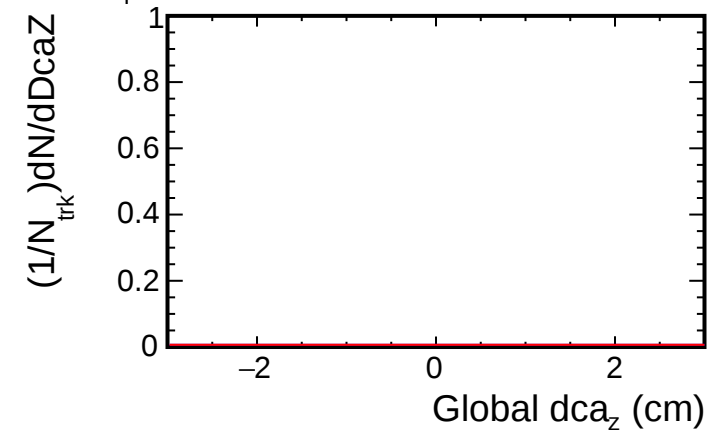
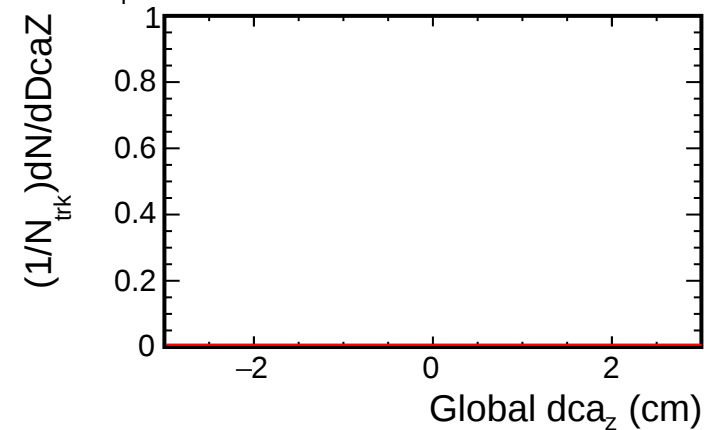
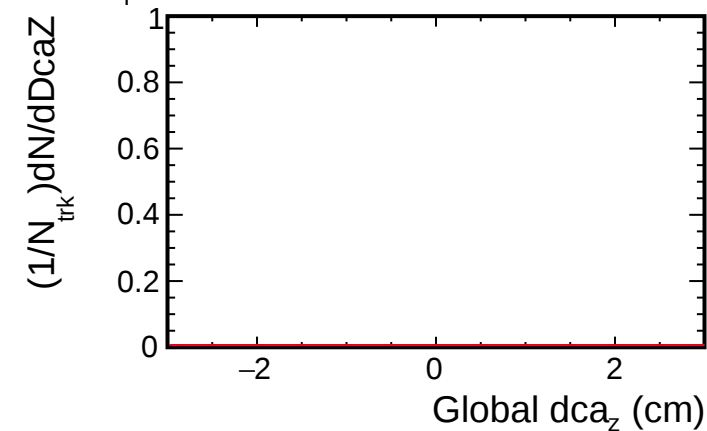
— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

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

DcaZ distribution for (p_T , η) slices $1.8, 1.0 < p_T < 1.5$ (GeV/c) $1.6, 1.0 < p_T < 1.5$ (GeV/c) $1.4, 1.0 < p_T < 1.5$ (GeV/c) $1.2, 1.0 < p_T < 1.5$ (GeV/c) $1.0, 1.0 < p_T < 1.5$ (GeV/c)

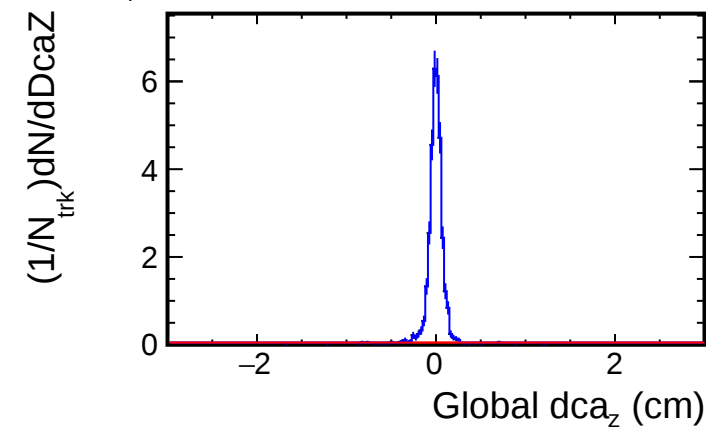
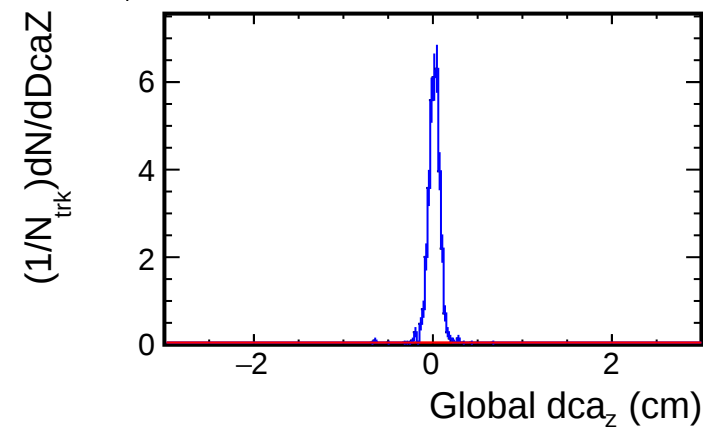
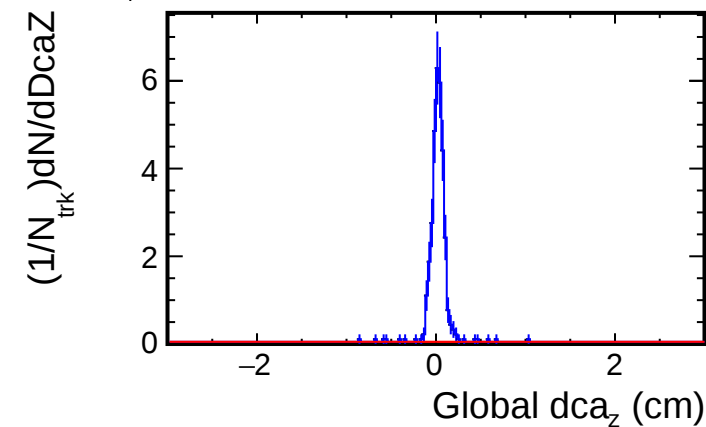
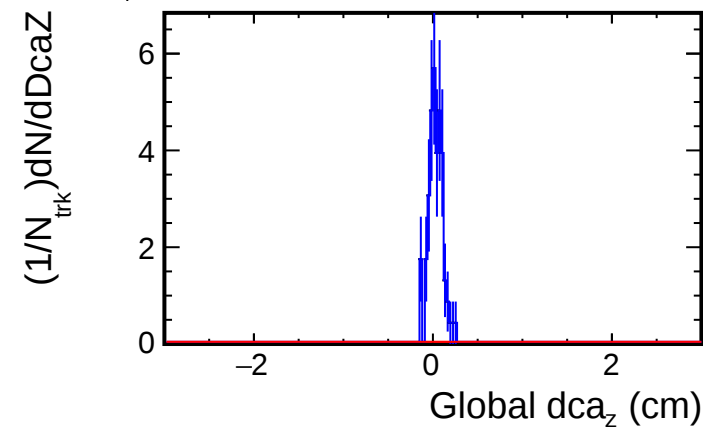
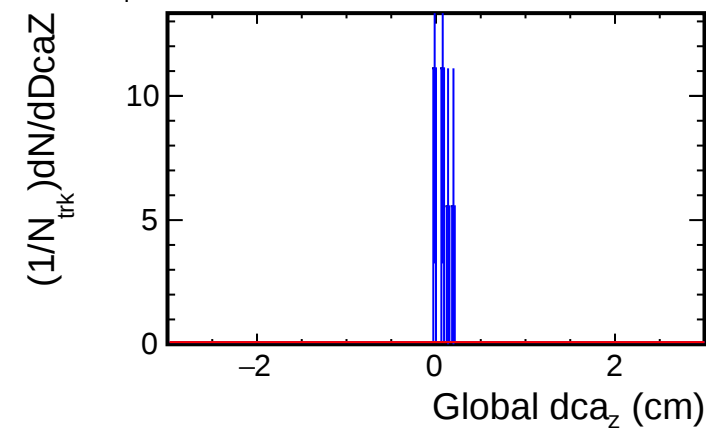
— Daughter pi⁻ (from H4Lambda)
(CONTAM, geantid=9)

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

DcaZ distribution for (p_T , η) slices2, $1.0 < p_T < 1.5$ (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)

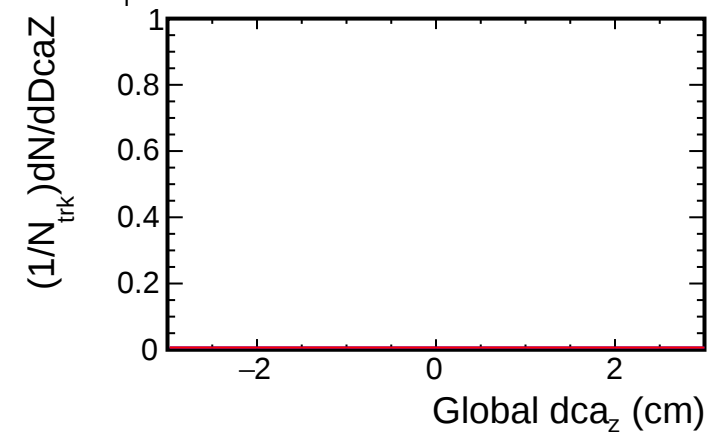
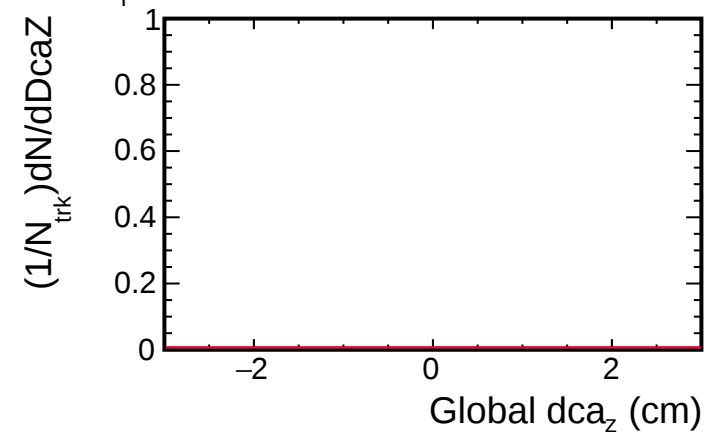
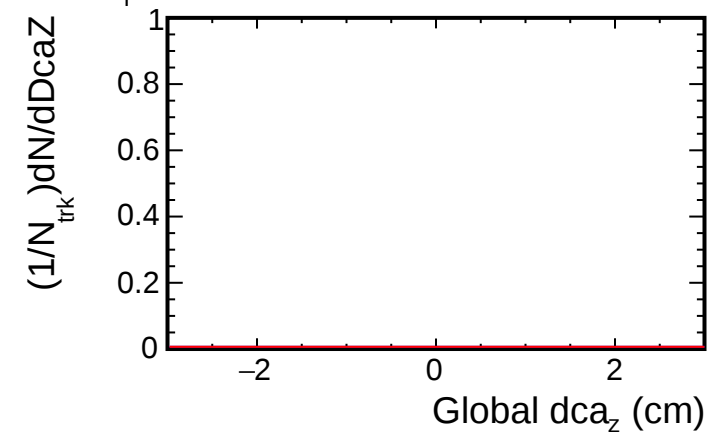
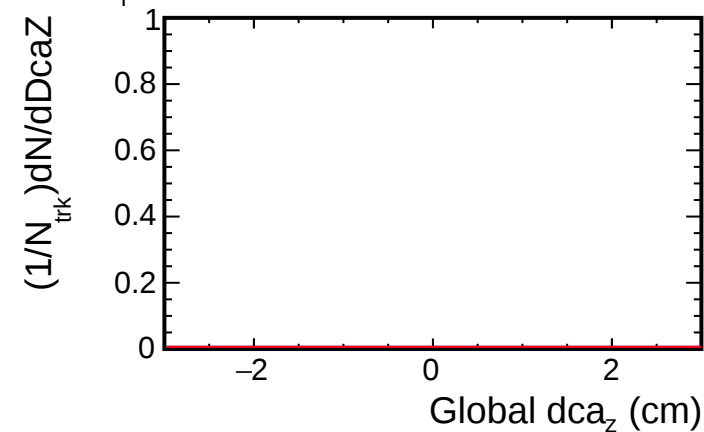
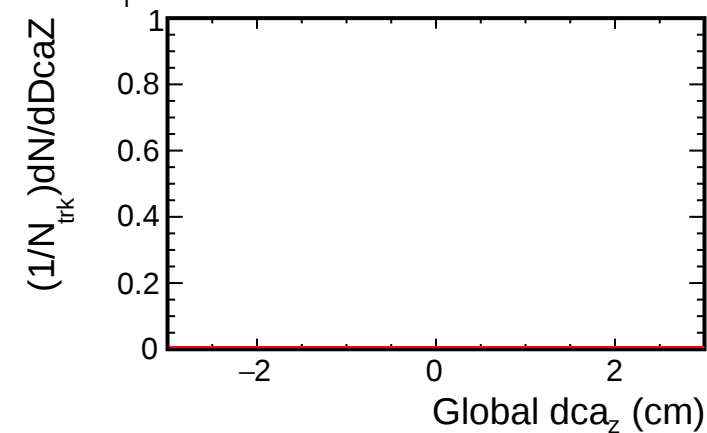
— Daughter π^- (from H4Lambda)
(CONTAM, geantid=9)

— 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 pi⁻ (from H4Lambda)
(CONTAM, geantid=9)

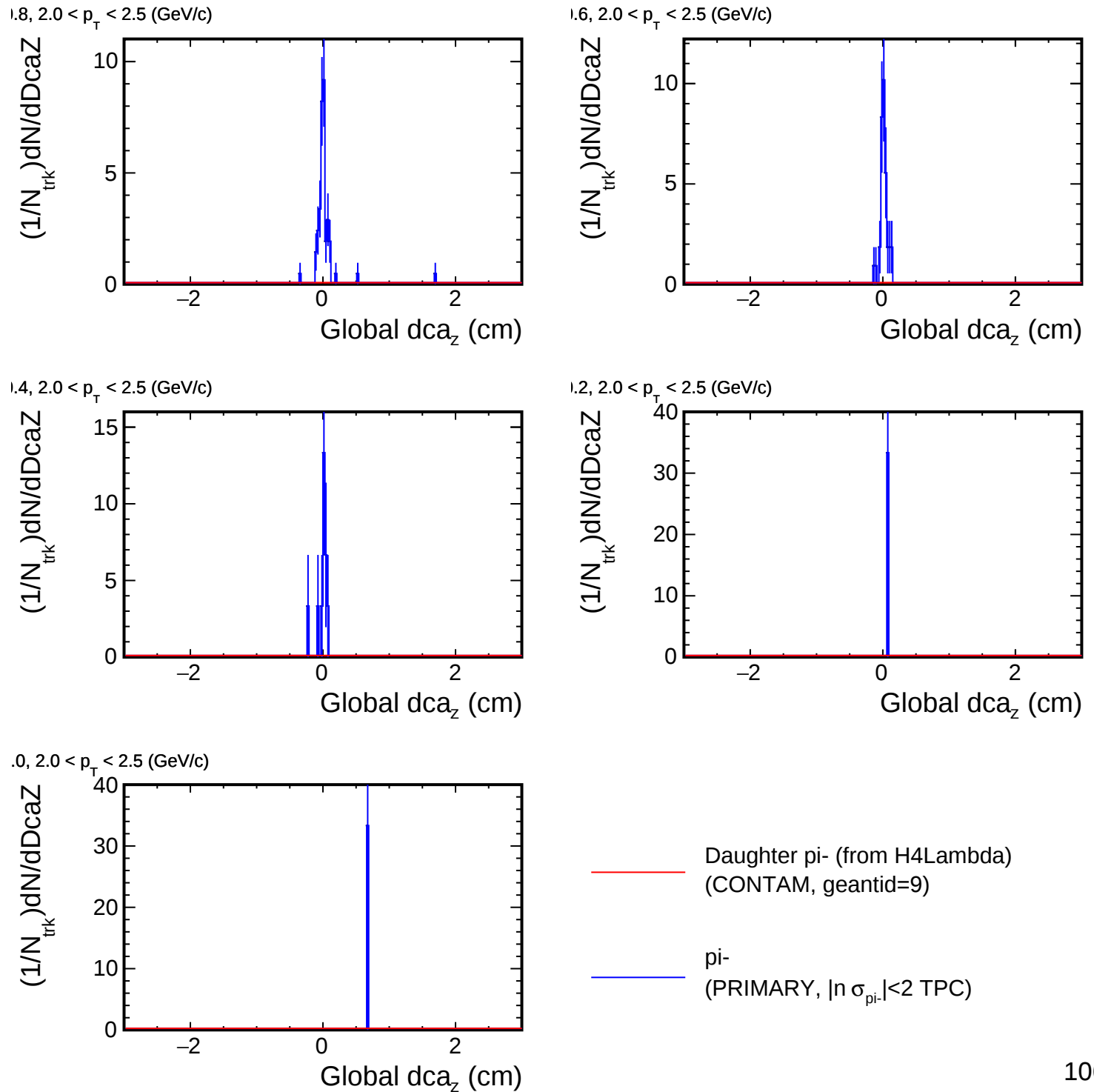
— pi⁻
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

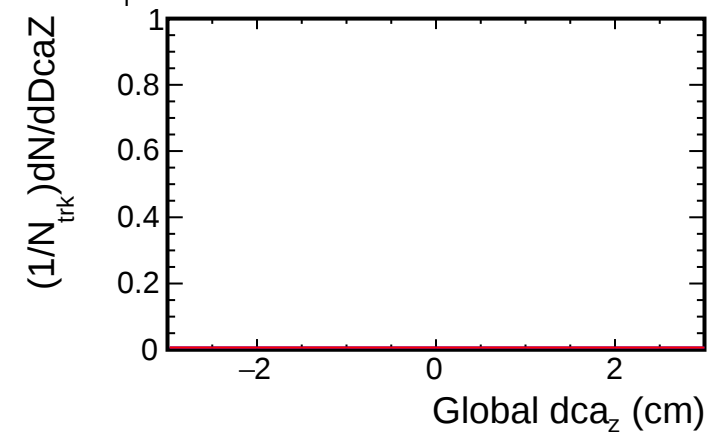
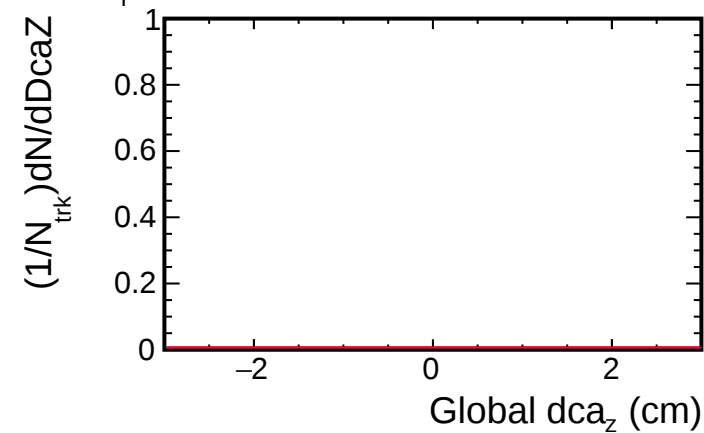
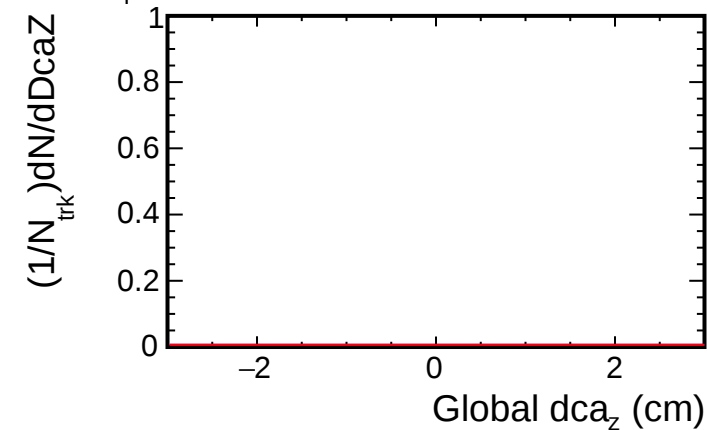
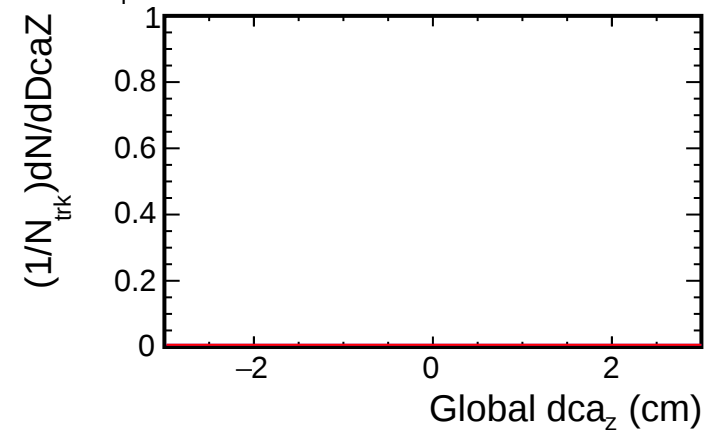
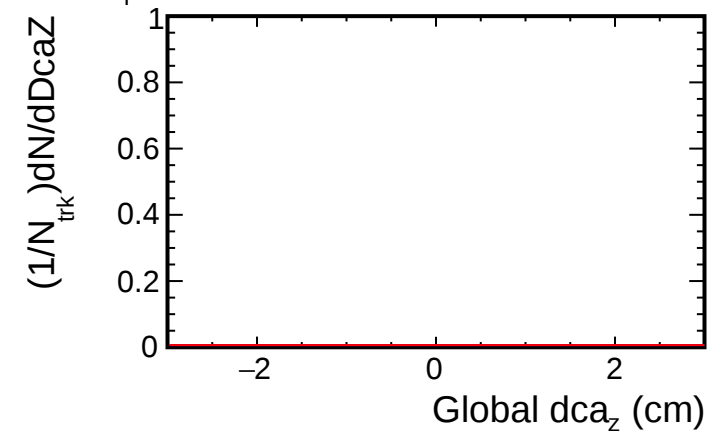
DcaZ distribution for (p_T , η) slices2, $1.5 < p_T < 2.0$ (GeV/c)4, $1.5 < p_T < 2.0$ (GeV/c)6, $1.5 < p_T < 2.0$ (GeV/c)8, $1.5 < p_T < 2.0$ (GeV/c)0, $1.5 < p_T < 2.0$ (GeV/c)

— Daughter pi⁻ (from H4Lambda)
(CONTAM, geantid=9)

— pi⁻
(PRIMARY, |n σ_{pi⁻}|<2 TPC)

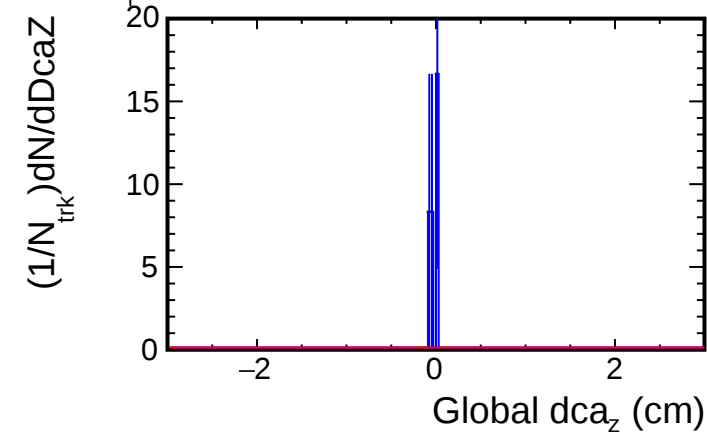
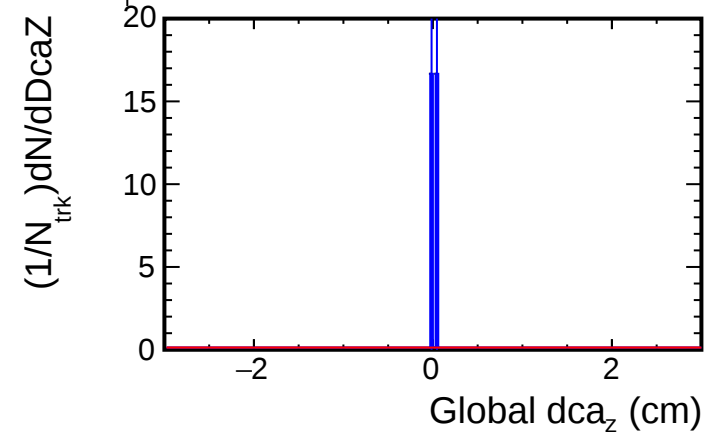
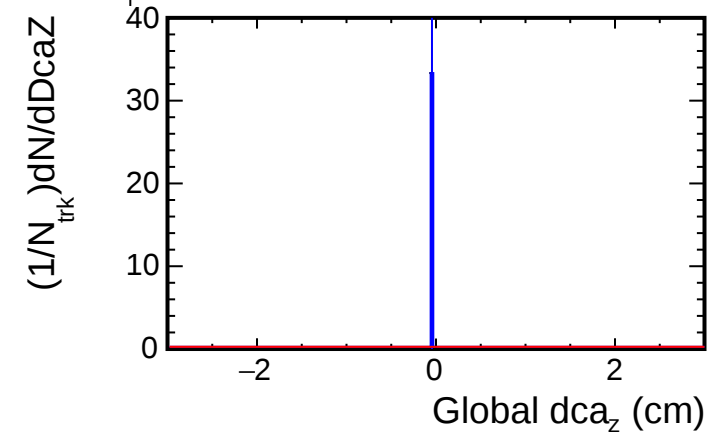
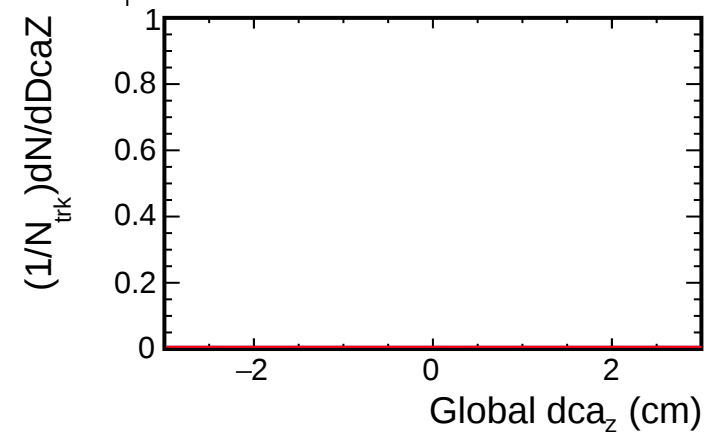
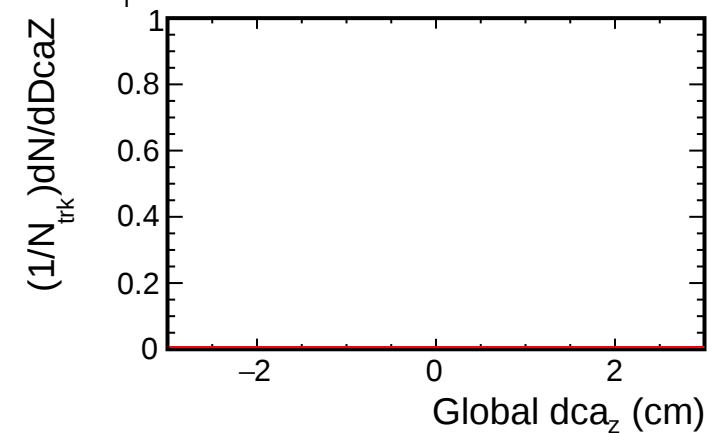
DcaZ distribution for (p_T , η) slices



DcaZ distribution for (p_T , η) slices2, $2.0 < p_T < 2.5$ (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)

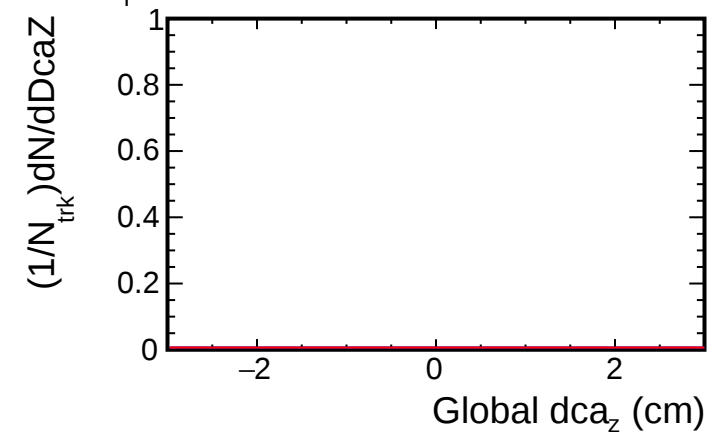
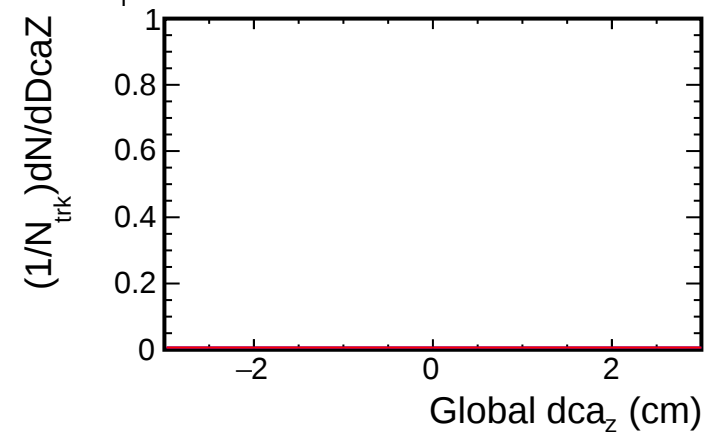
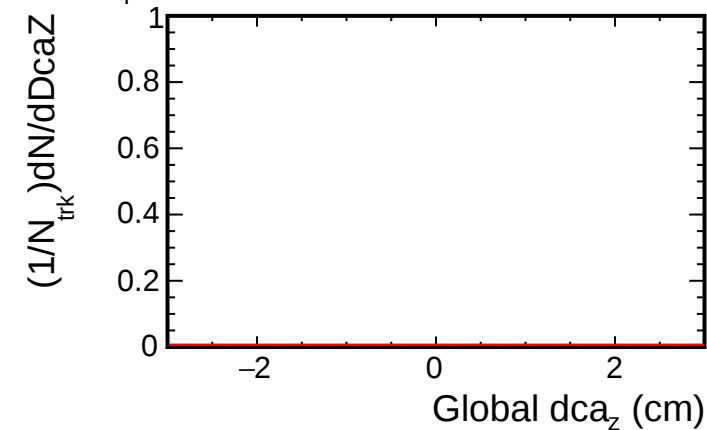
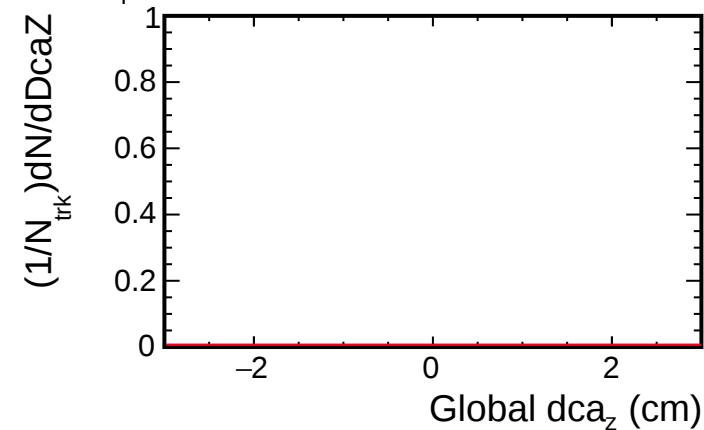
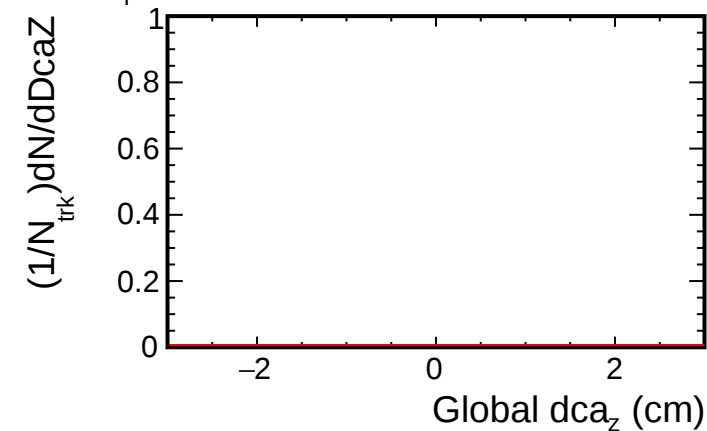
— Daughter pi⁻ (from H4Lambda)
(CONTAM, geantid=9)

— pi⁻
(PRIMARY, |n σ_{pi⁻}|<2 TPC)

DcaZ distribution for (p_T , η) slices1.8, $2.5 < p_T < 3.0$ (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)

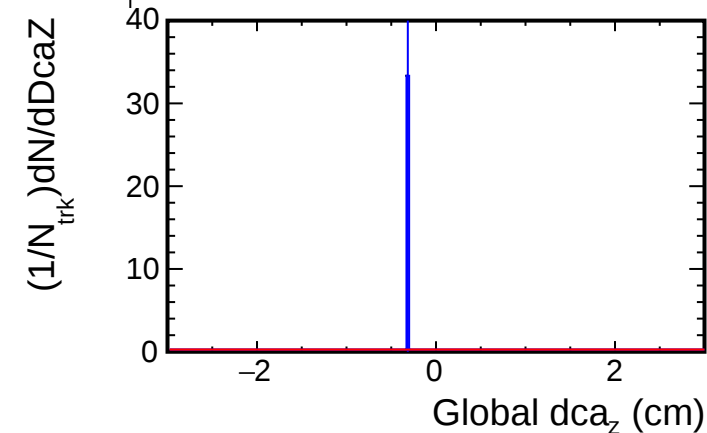
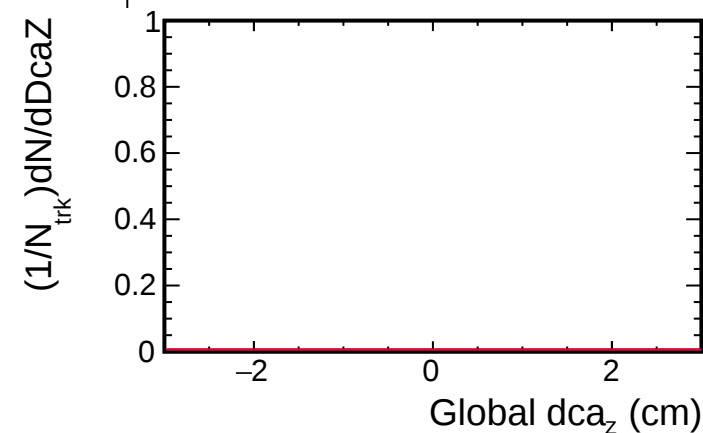
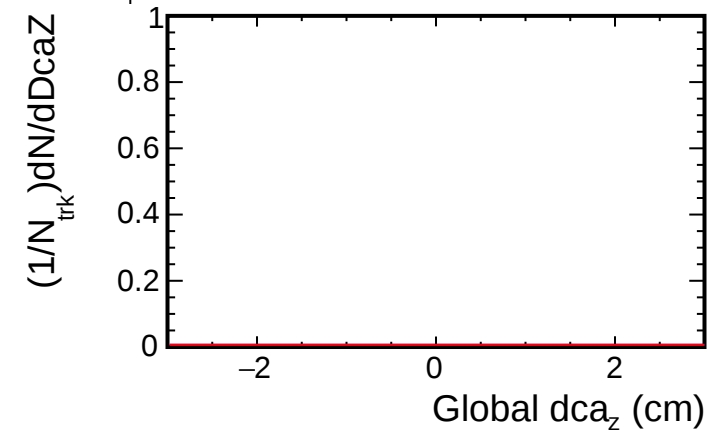
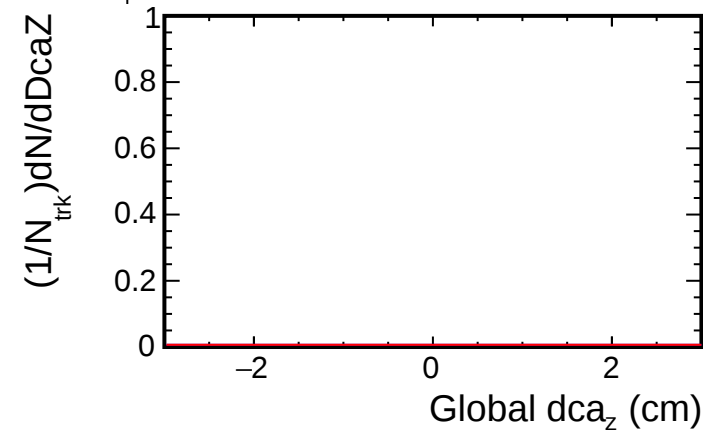
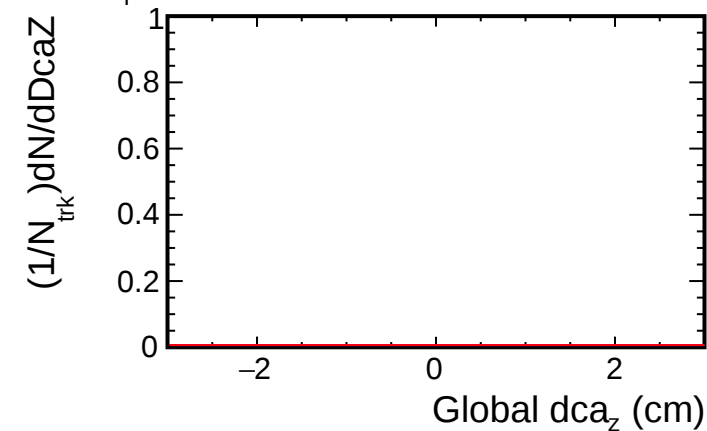
— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

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

DcaZ distribution for (p_T , η) slices2, $2.5 < p_T < 3.0$ (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)

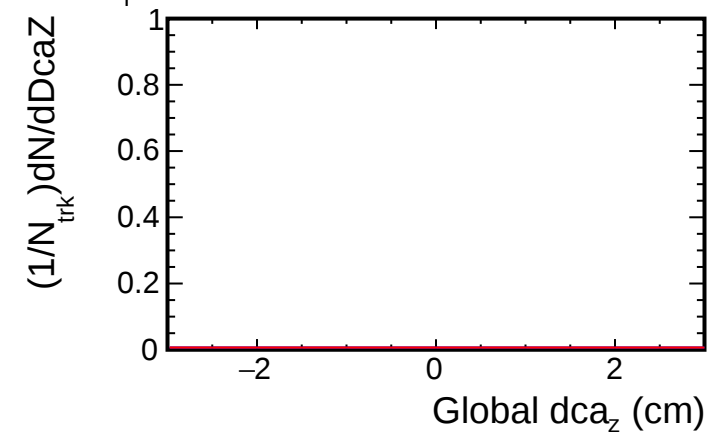
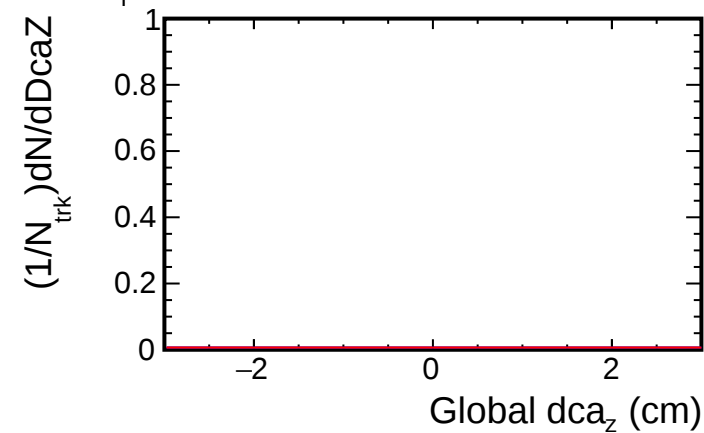
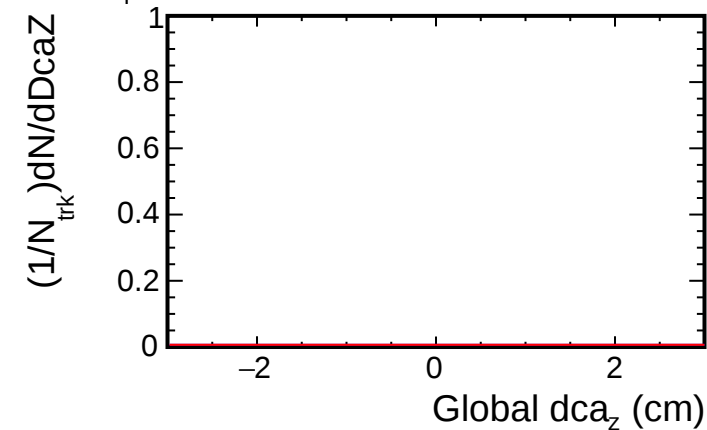
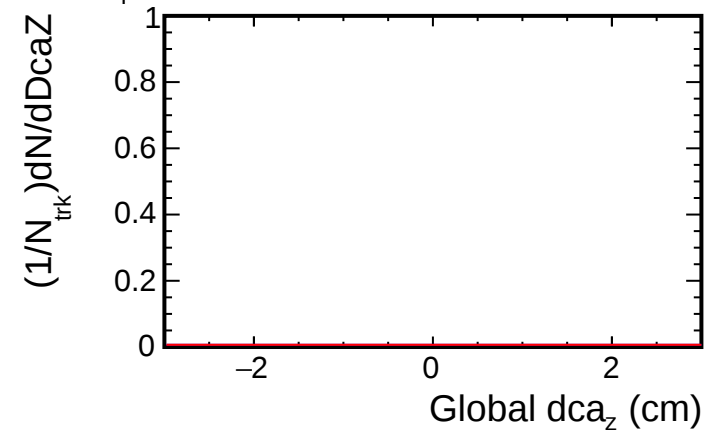
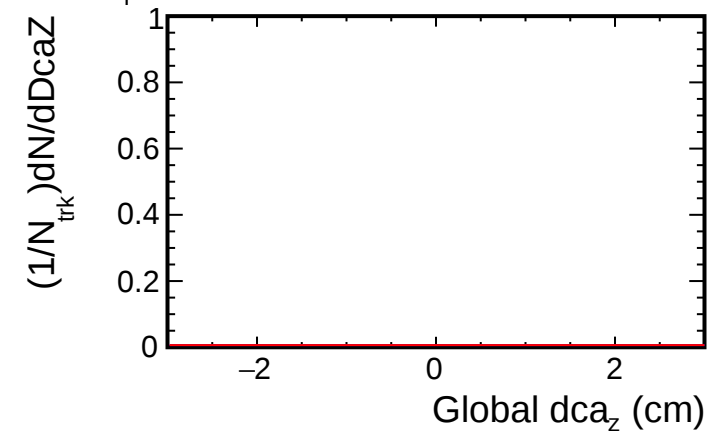
— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

— pi-
(PRIMARY, |n σ_{pi-}| < 2 TPC)

DcaZ distribution for (p_T , η) slices1.8, $3.0 < p_T < 3.5$ (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)

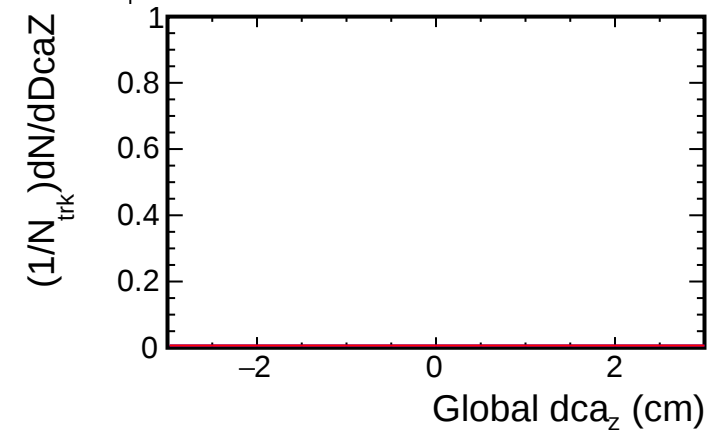
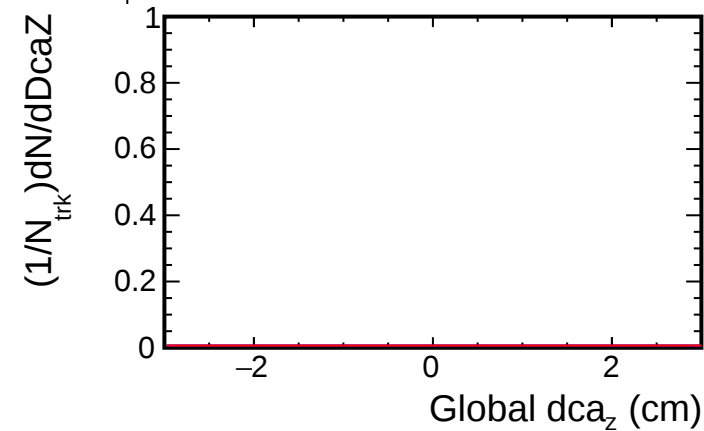
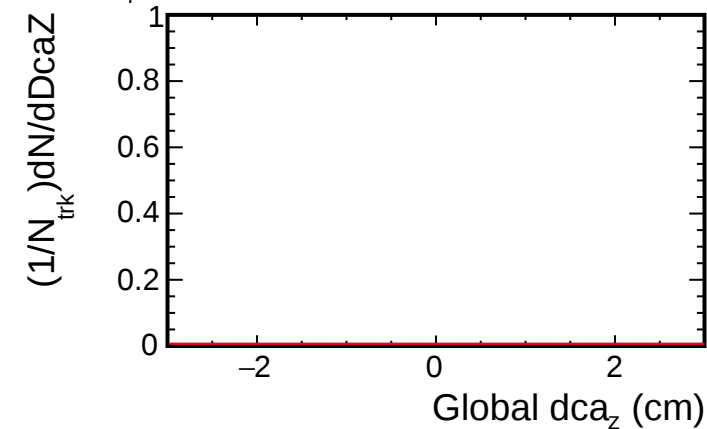
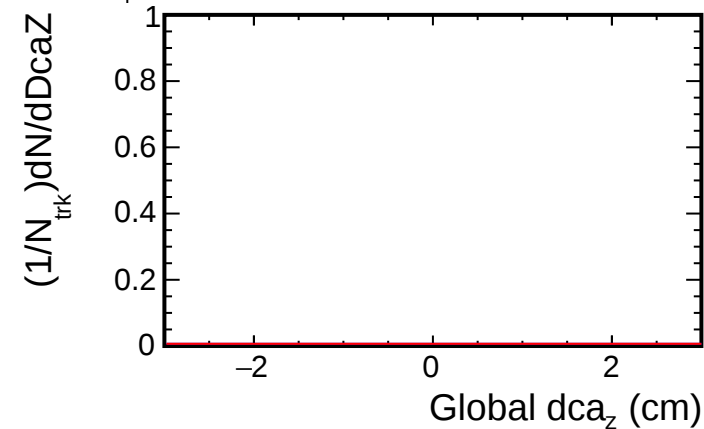
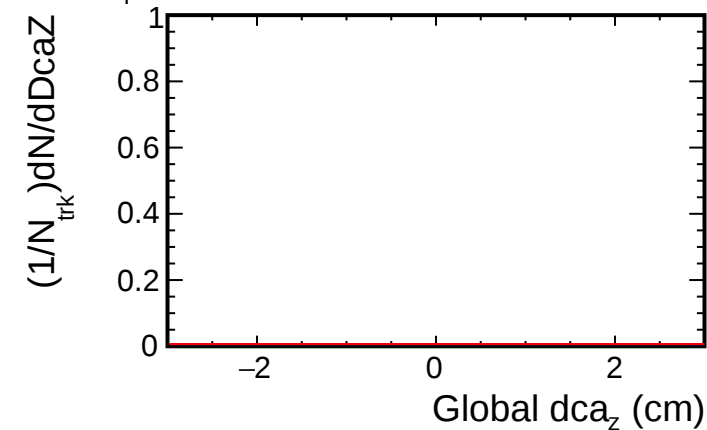
— Daughter π^- (from H4Lambda)
(CONTAM, geantid=9)

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

DcaZ distribution for (p_T , η) slices2, $3.0 < p_T < 3.5$ (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 π^- (from H4Lambda)
(CONTAM, geantid=9)

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

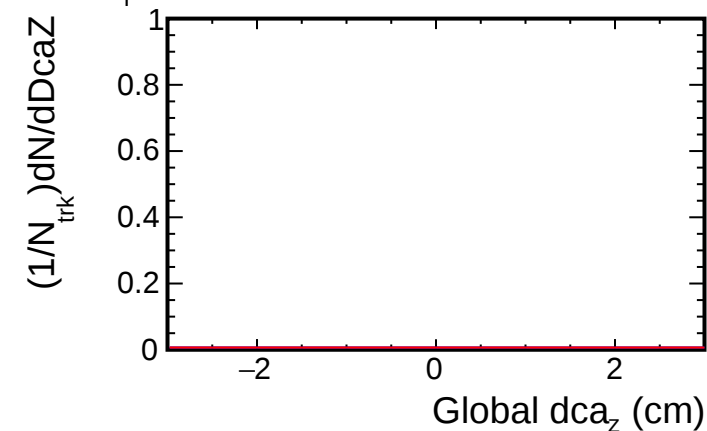
DcaZ distribution for (p_T , η) slices $1.8, 3.5 < p_T < 4.0$ (GeV/c) $1.6, 3.5 < p_T < 4.0$ (GeV/c) $1.4, 3.5 < p_T < 4.0$ (GeV/c) $1.2, 3.5 < p_T < 4.0$ (GeV/c) $1.0, 3.5 < p_T < 4.0$ (GeV/c)

— Daughter π^- (from H4Lambda)
(CONTAM, geantid=9)

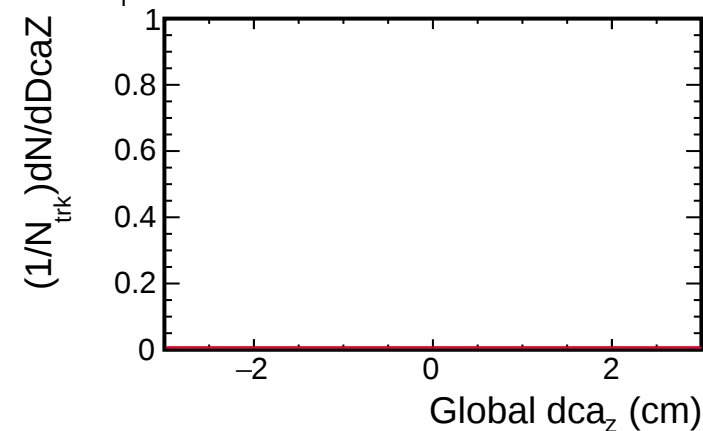
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

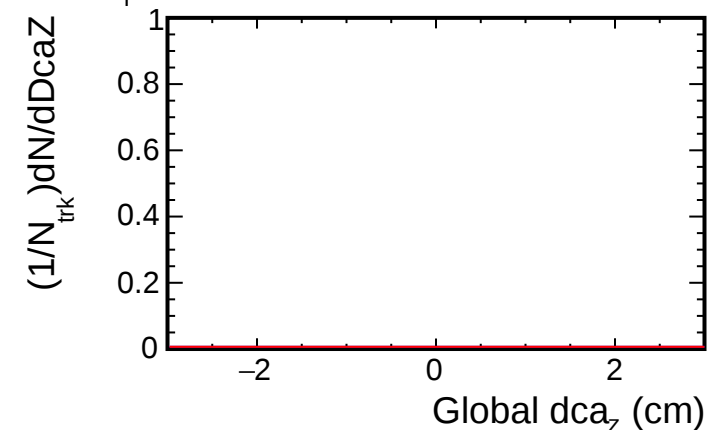
2, $3.5 < p_T < 4.0$ (GeV/c)



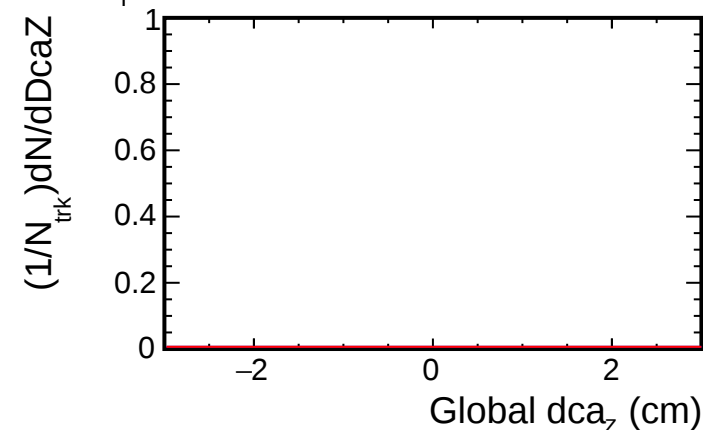
4, $3.5 < p_T < 4.0$ (GeV/c)



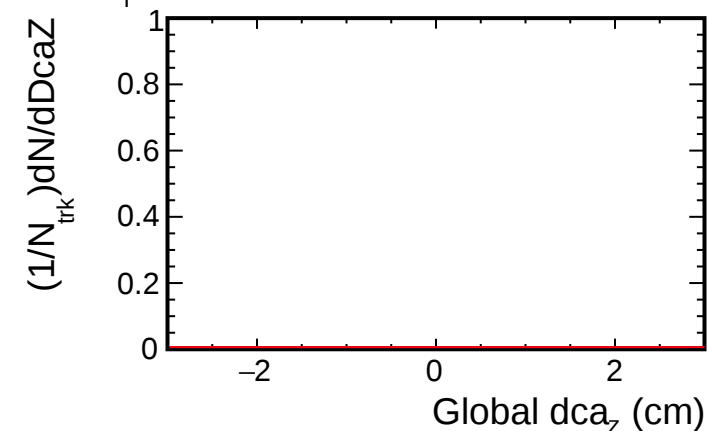
6, $3.5 < p_T < 4.0$ (GeV/c)



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

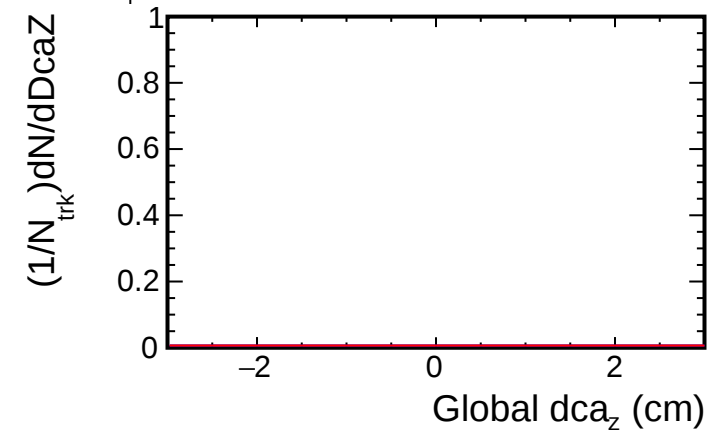
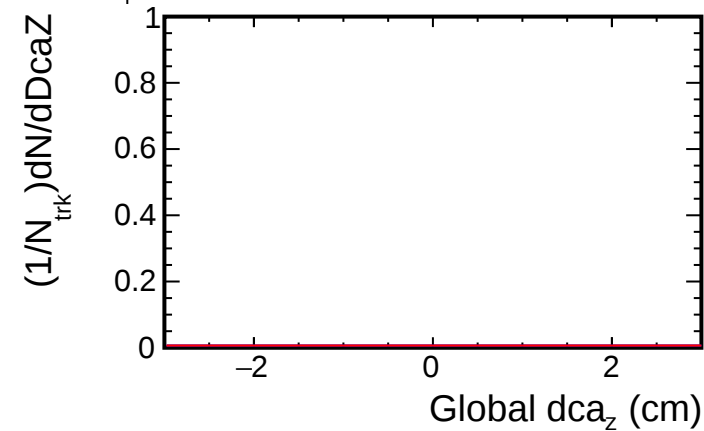
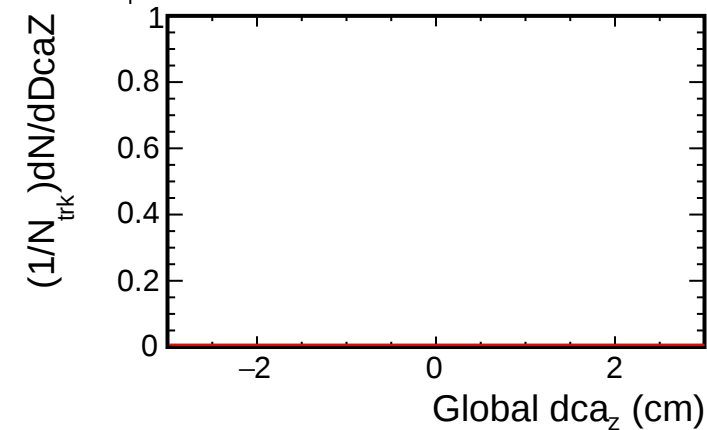
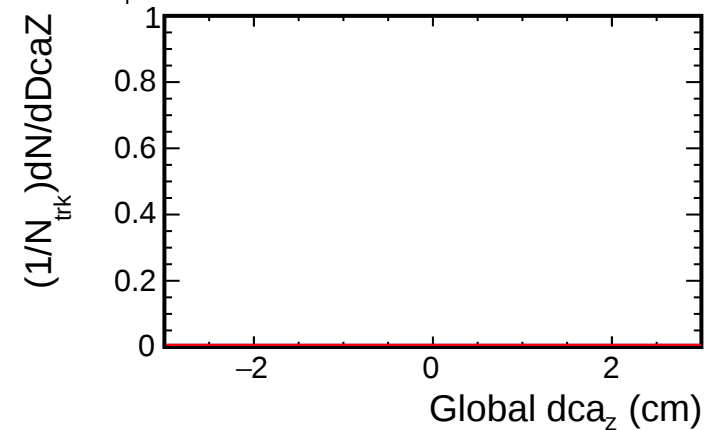
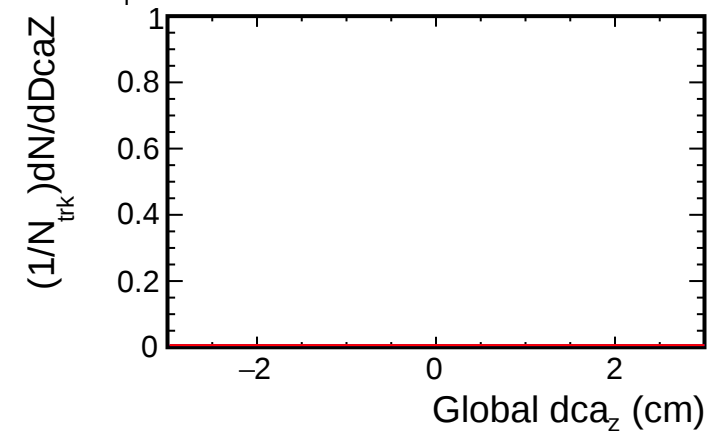


0, $3.5 < p_T < 4.0$ (GeV/c)



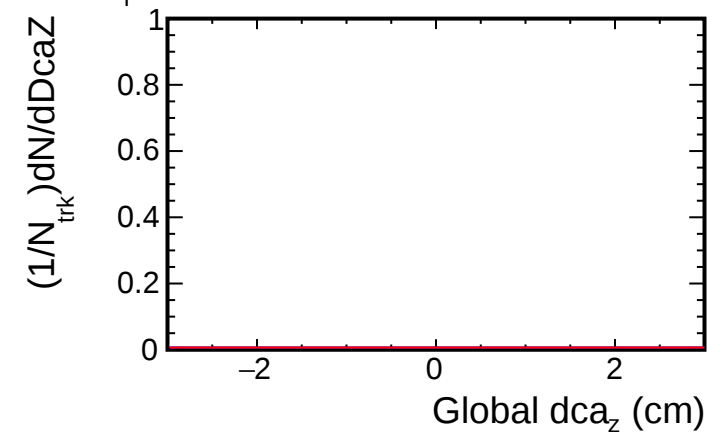
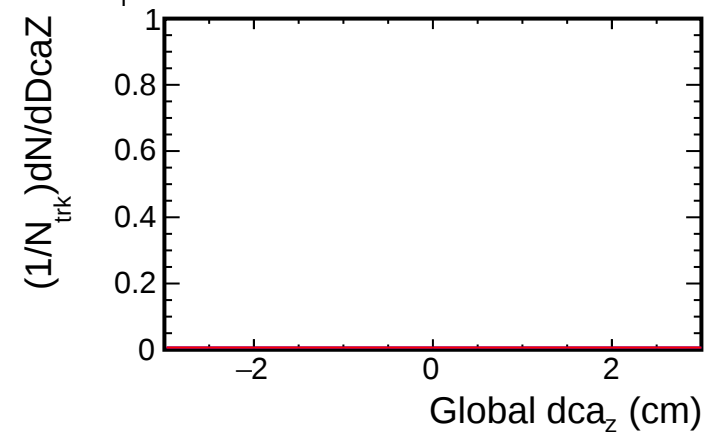
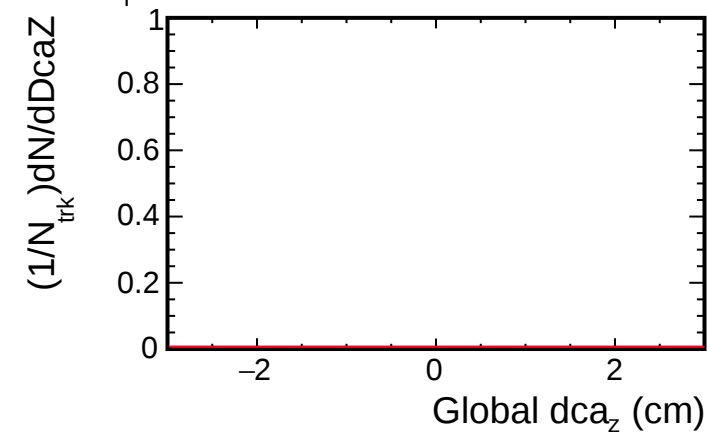
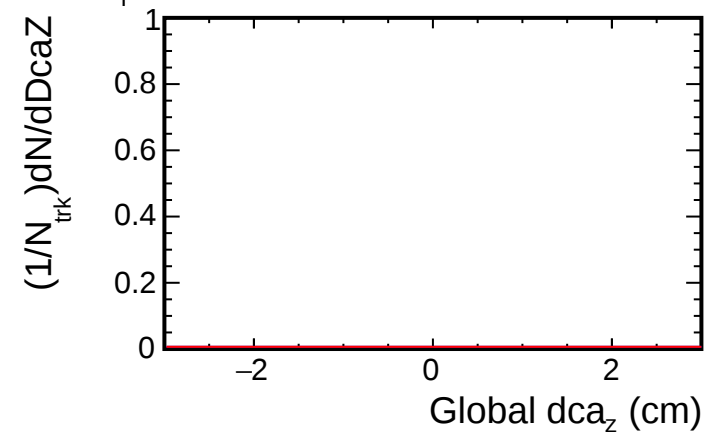
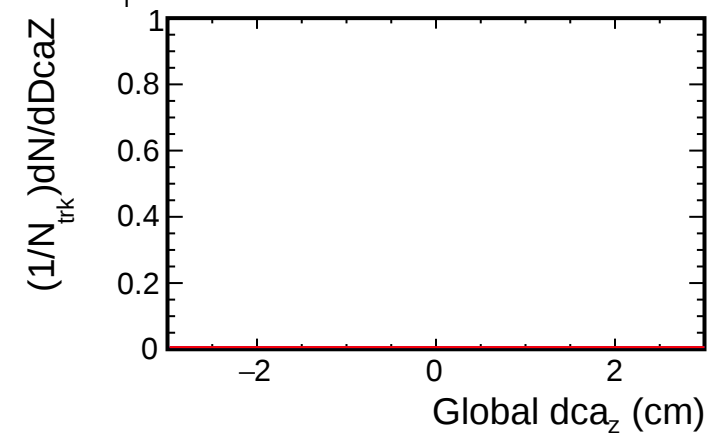
— Daughter π^- (from H4Lambda)
(CONTAM, geantid=9)

— π^-
(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 π^- (from H4Lambda)
(CONTAM, geantid=9)

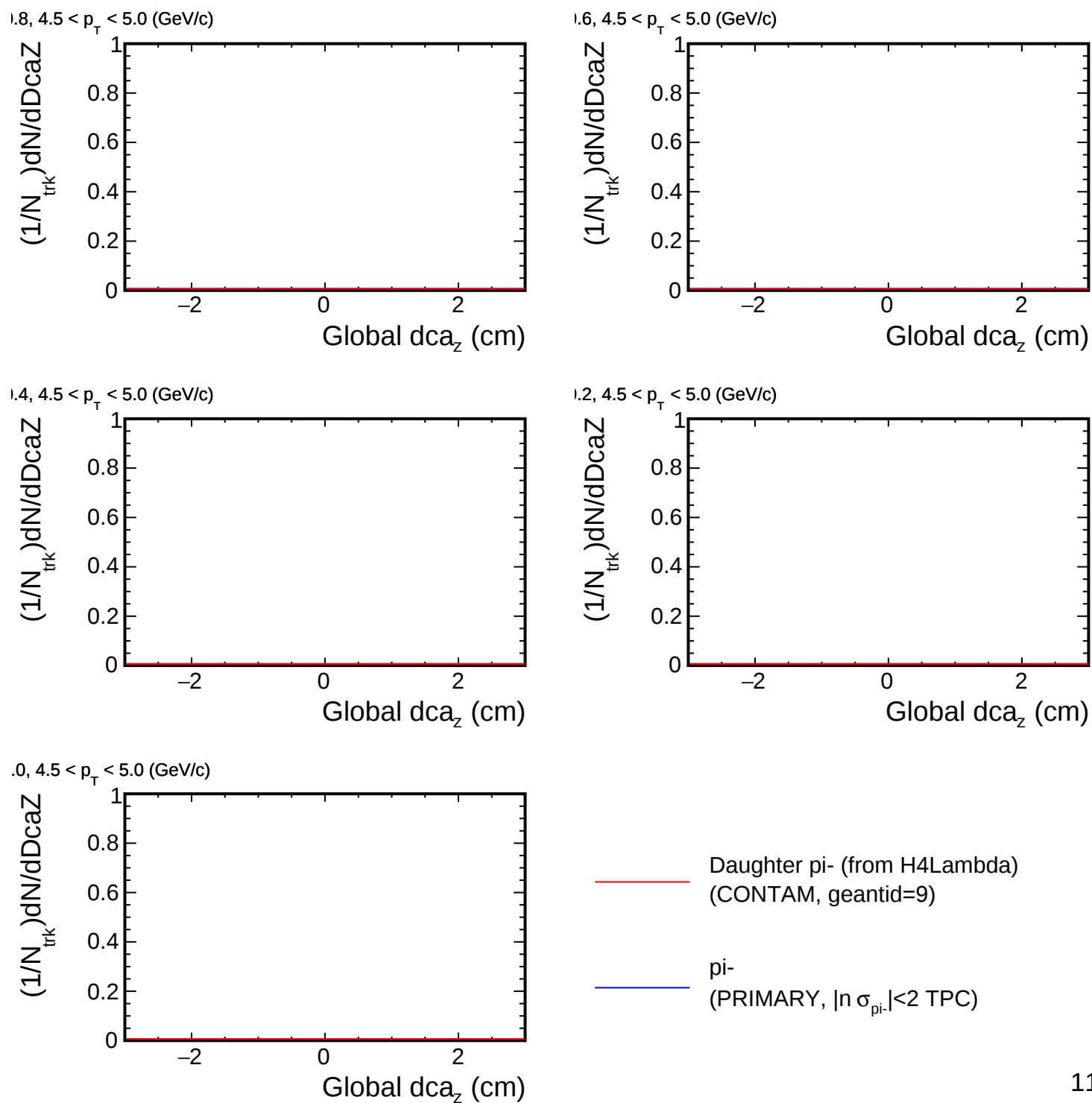
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

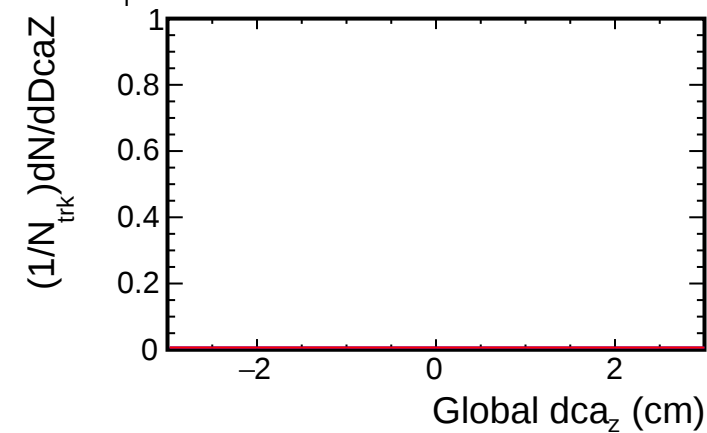
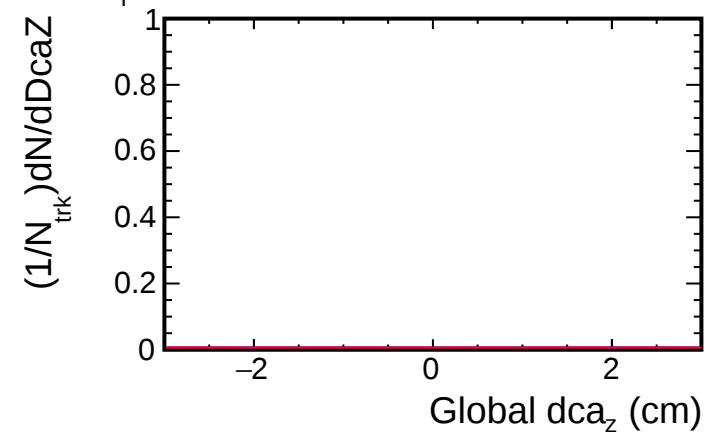
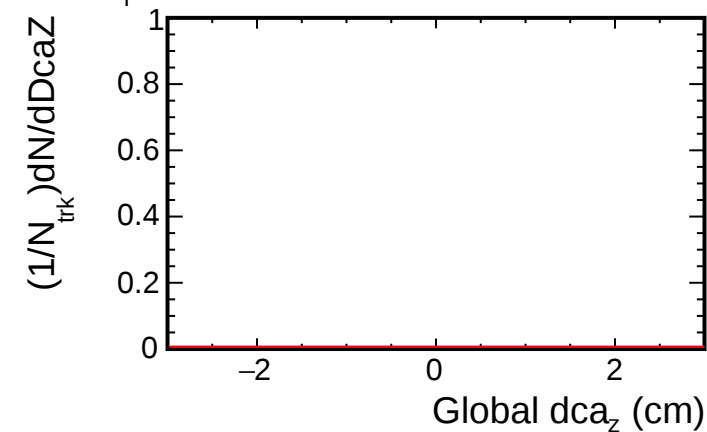
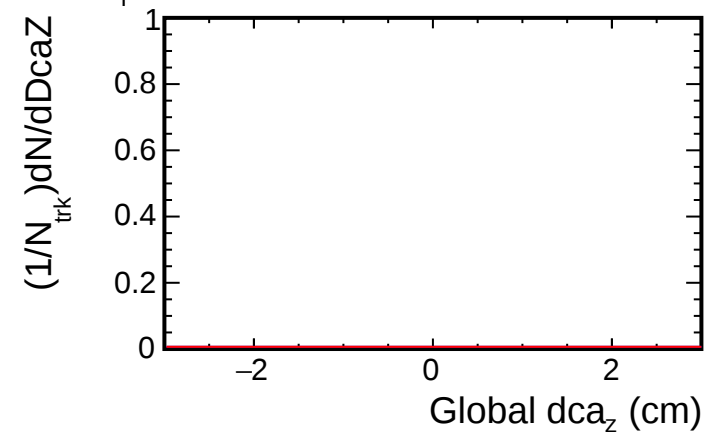
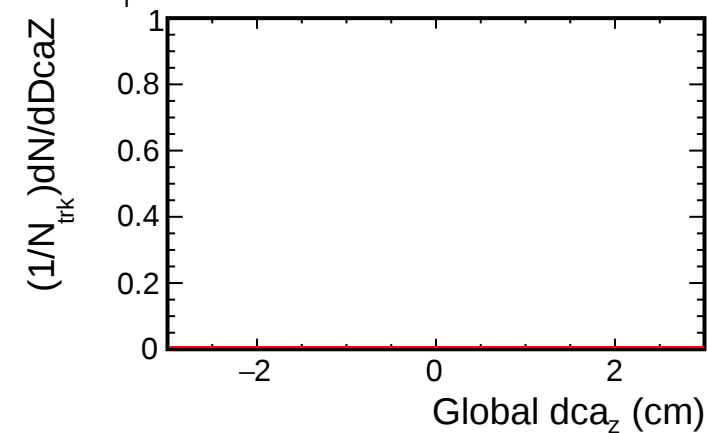
DcaZ distribution for (p_T , η) slices2, $4.0 < p_T < 4.5$ (GeV/c)4, $4.0 < p_T < 4.5$ (GeV/c)6, $4.0 < p_T < 4.5$ (GeV/c)8, $4.0 < p_T < 4.5$ (GeV/c)0, $4.0 < p_T < 4.5$ (GeV/c)

— Daughter pi⁻ (from H4Lambda)
(CONTAM, geantid=9)

— pi⁻
(PRIMARY, |n σ_{pi⁻}| < 2 TPC)

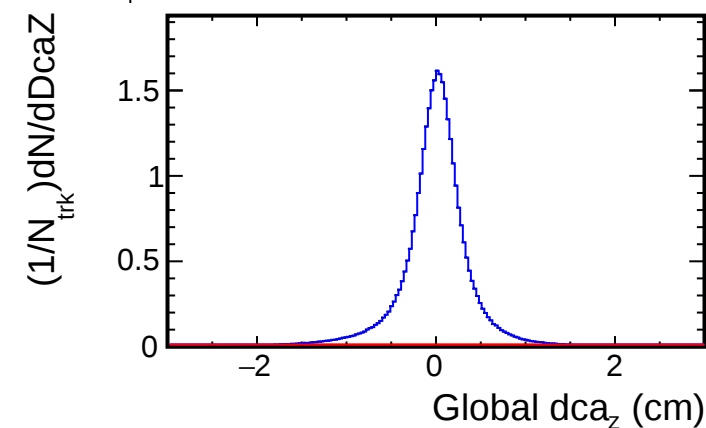
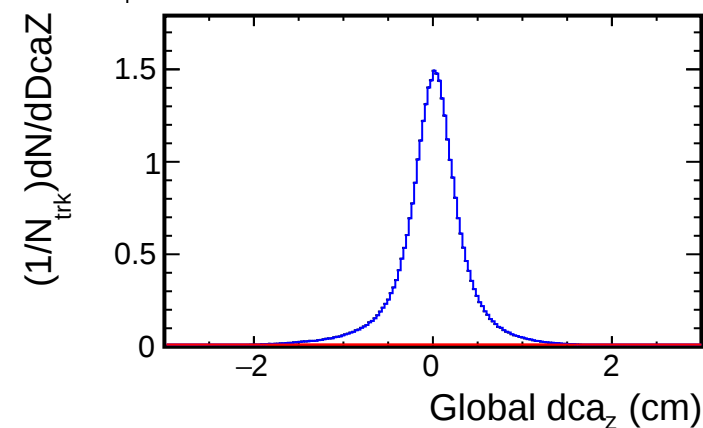
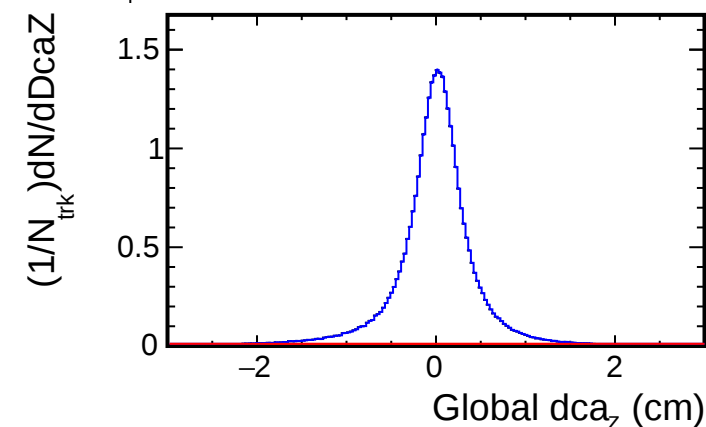
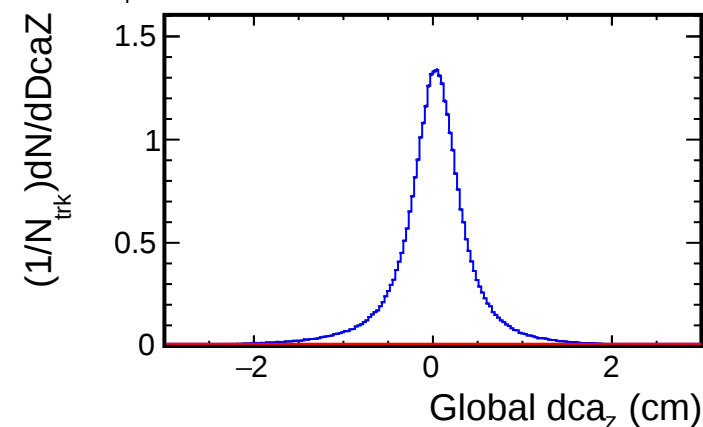
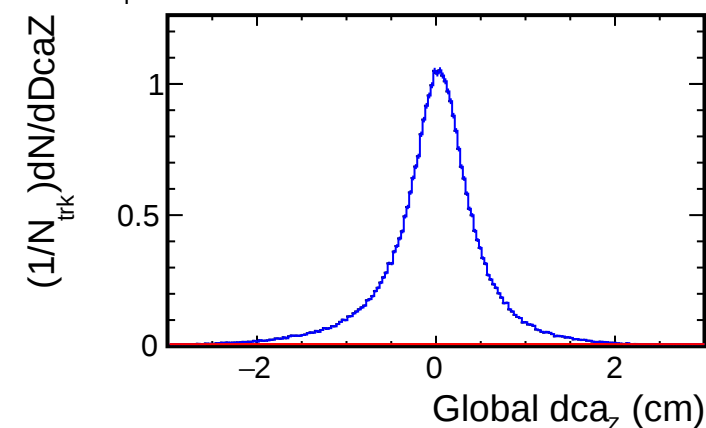
DcaZ distribution for (p_T , η) slices



DcaZ distribution for (p_T , η) slices2, $4.5 < p_T < 5.0$ (GeV/c)4, $4.5 < p_T < 5.0$ (GeV/c)6, $4.5 < p_T < 5.0$ (GeV/c)8, $4.5 < p_T < 5.0$ (GeV/c)0, $4.5 < p_T < 5.0$ (GeV/c)

— Daughter π^- (from H4Lambda)
(CONTAM, geantid=9)

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

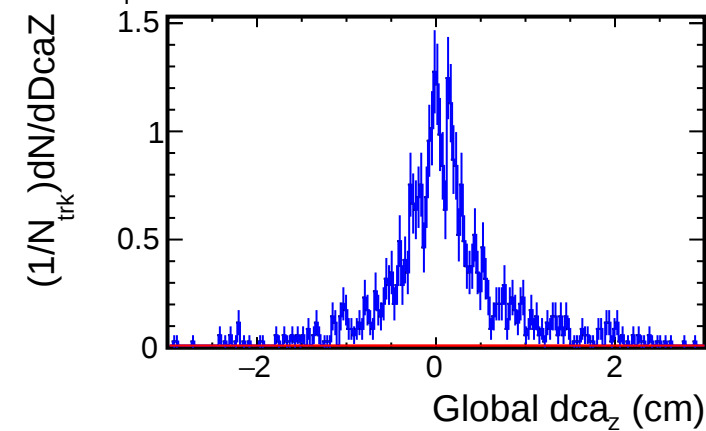
DcaZ distribution for (p_T , η) slices $1.8, 0.1 < p_T < 0.5$ (GeV/c) $1.6, 0.1 < p_T < 0.5$ (GeV/c) $1.4, 0.1 < p_T < 0.5$ (GeV/c) $1.2, 0.1 < p_T < 0.5$ (GeV/c) $1.0, 0.1 < p_T < 0.5$ (GeV/c)

— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

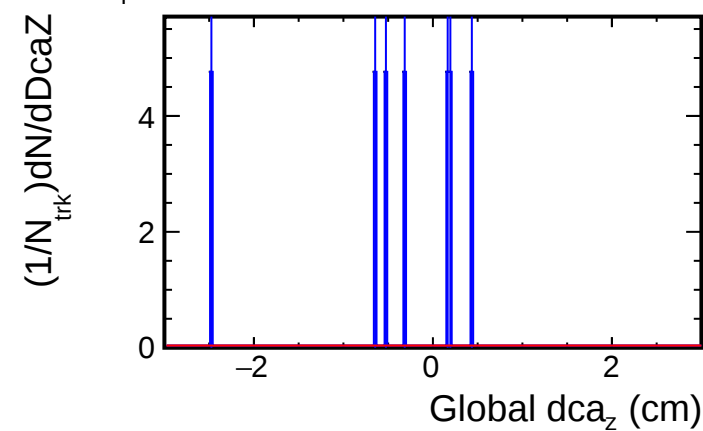
— pi+
(PRIMARY, $|\ln \sigma_{\pi^+}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

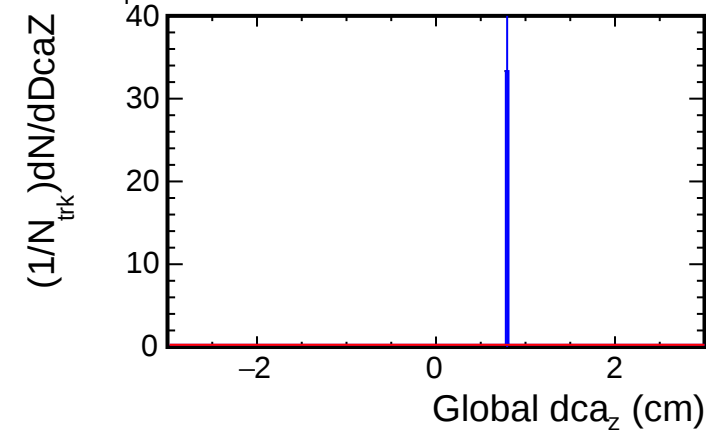
2, $0.1 < p_T < 0.5$ (GeV/c)



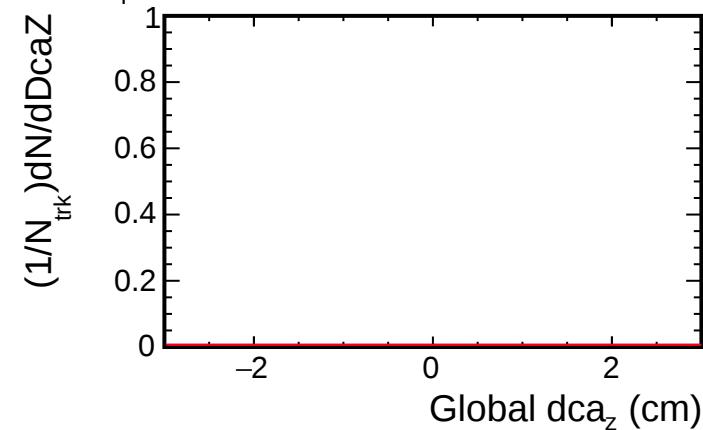
4, $0.1 < p_T < 0.5$ (GeV/c)



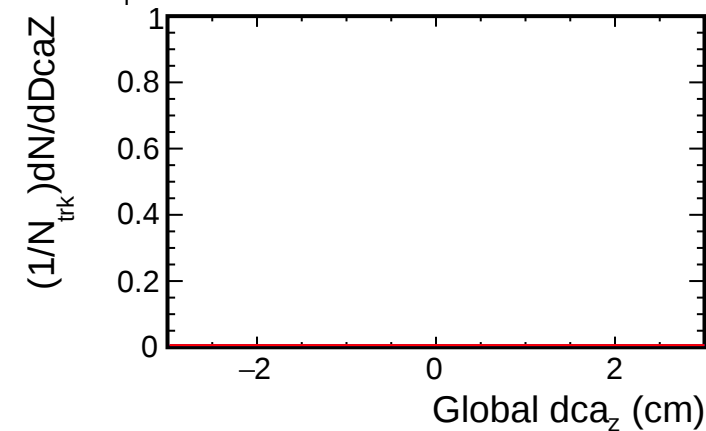
6, $0.1 < p_T < 0.5$ (GeV/c)



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



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

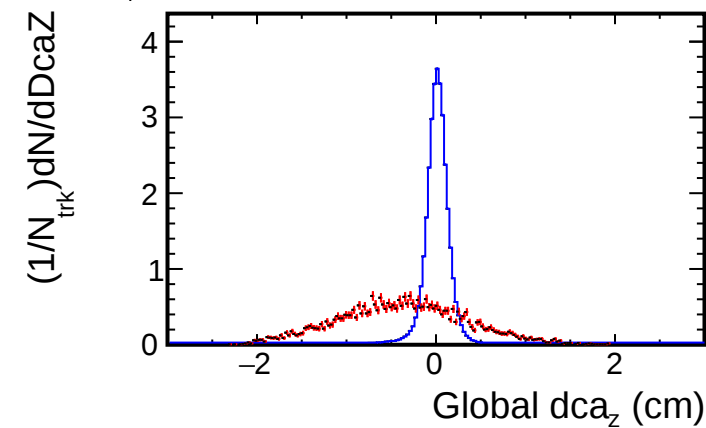


— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

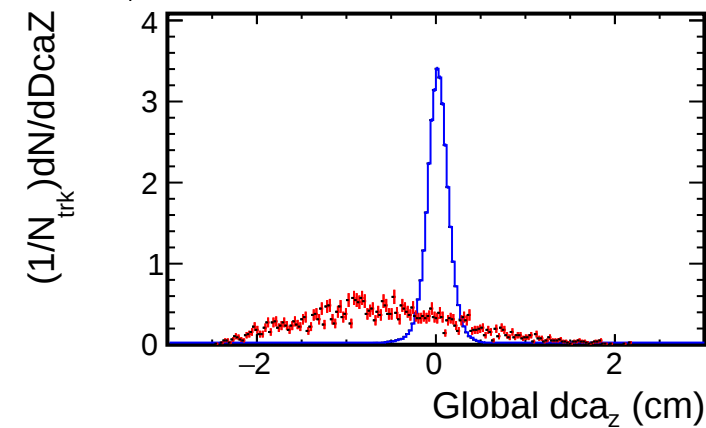
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

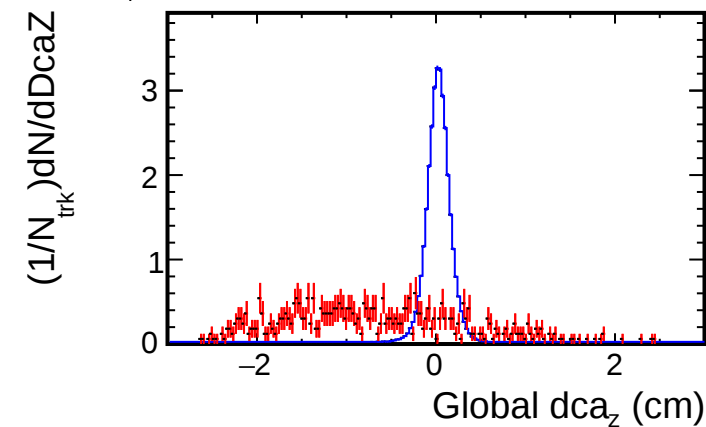
1.8, $0.5 < p_T < 1.0$ (GeV/c)



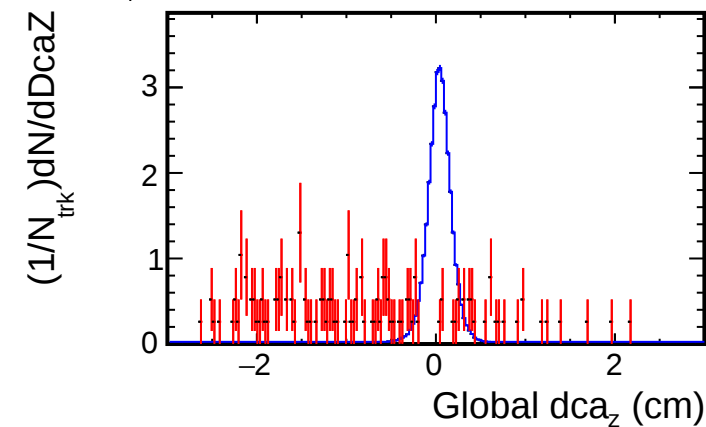
1.6, $0.5 < p_T < 1.0$ (GeV/c)



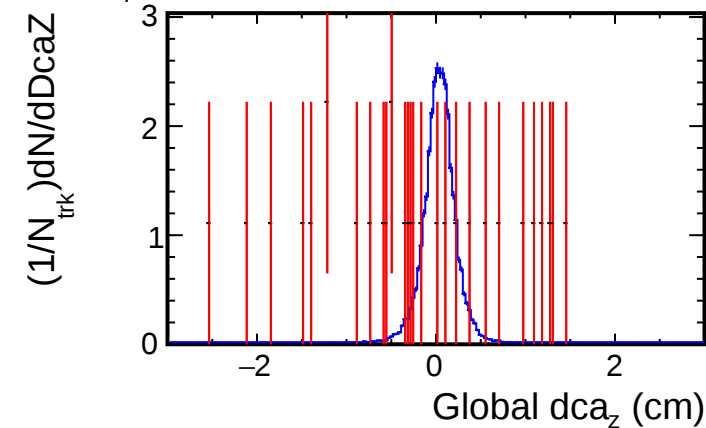
1.4, $0.5 < p_T < 1.0$ (GeV/c)



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

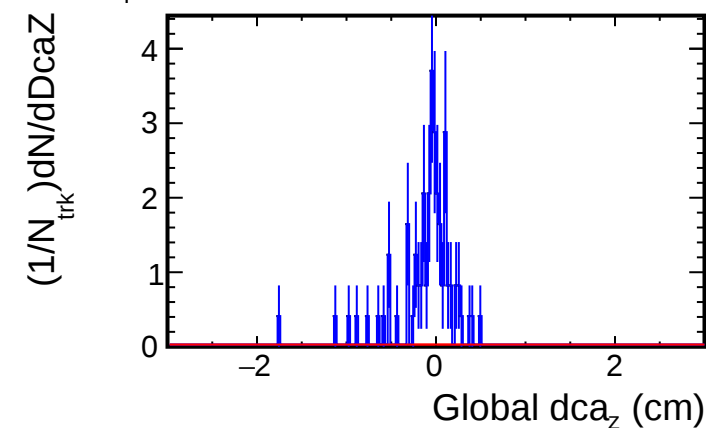
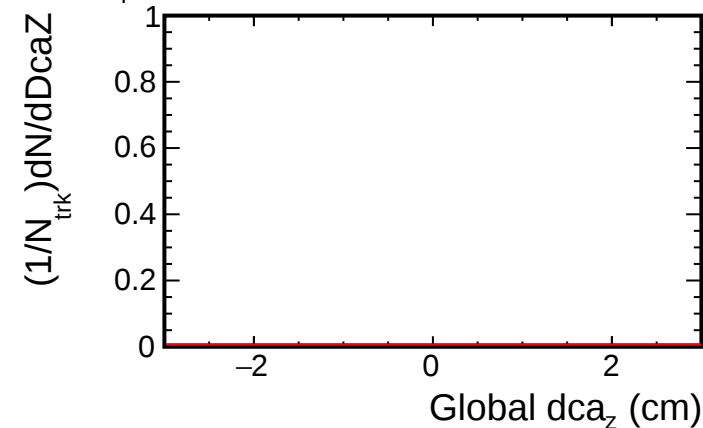
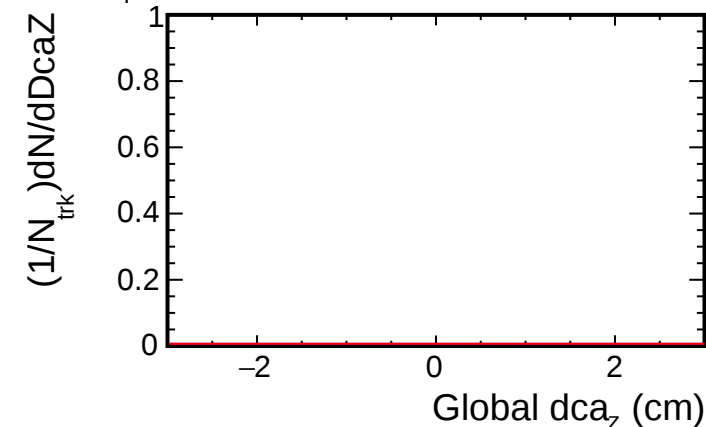
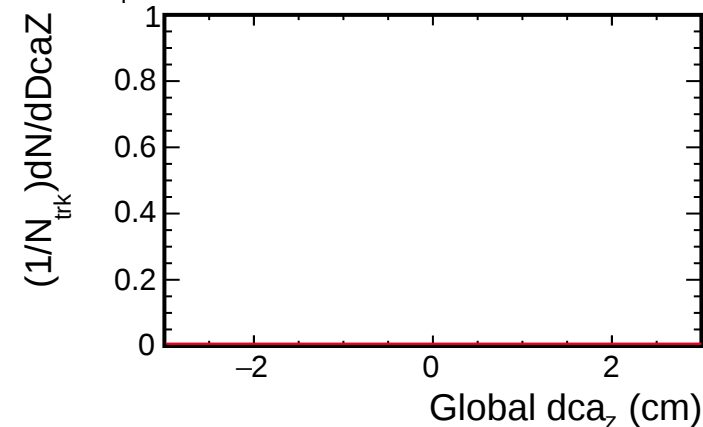
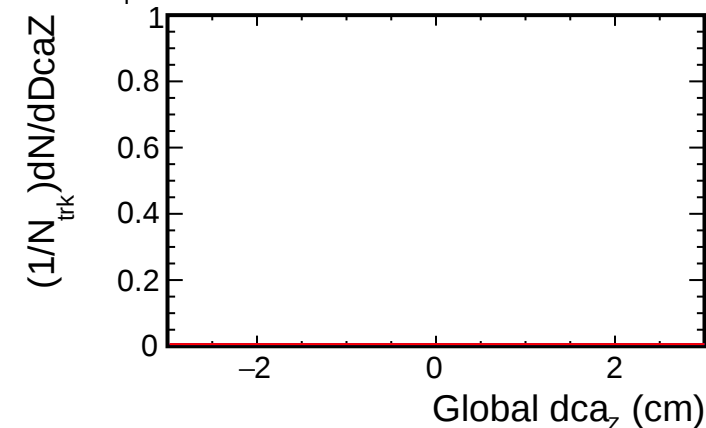


1.0, $0.5 < p_T < 1.0$ (GeV/c)



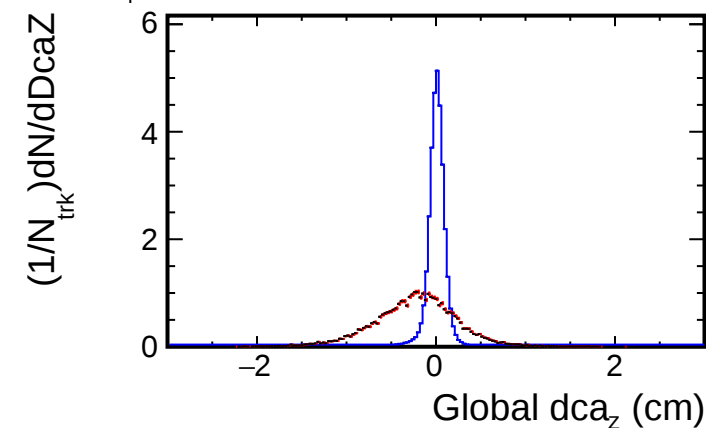
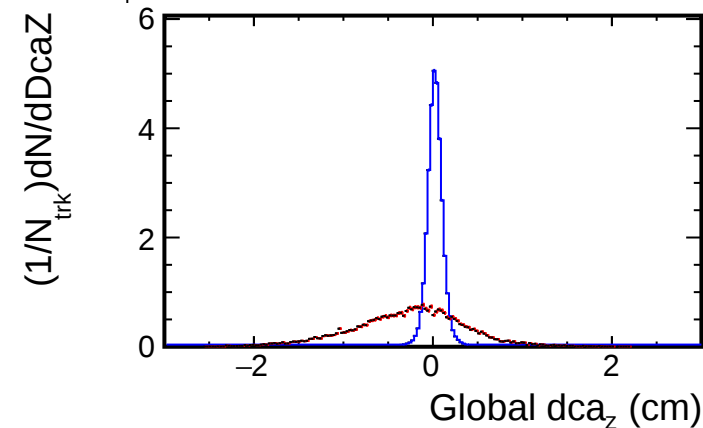
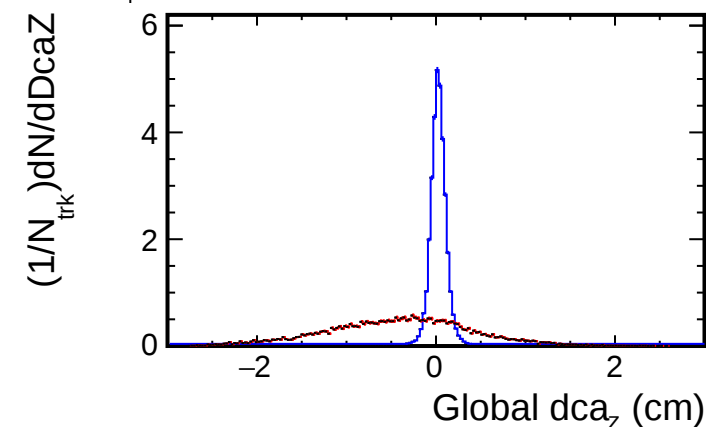
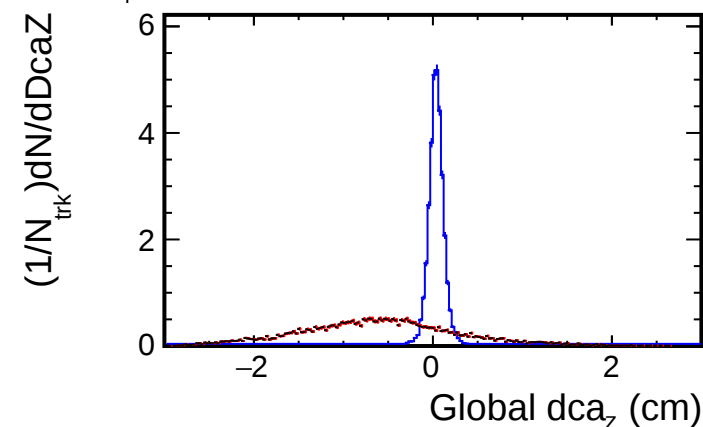
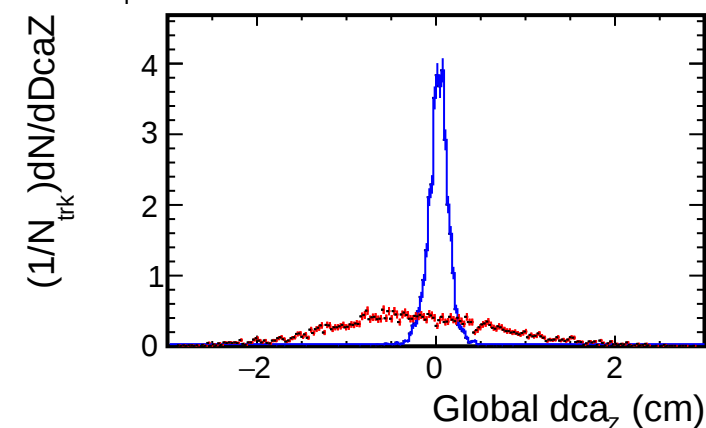
— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

DcaZ distribution for (p_T , η) slices2, $0.5 < p_T < 1.0$ (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)

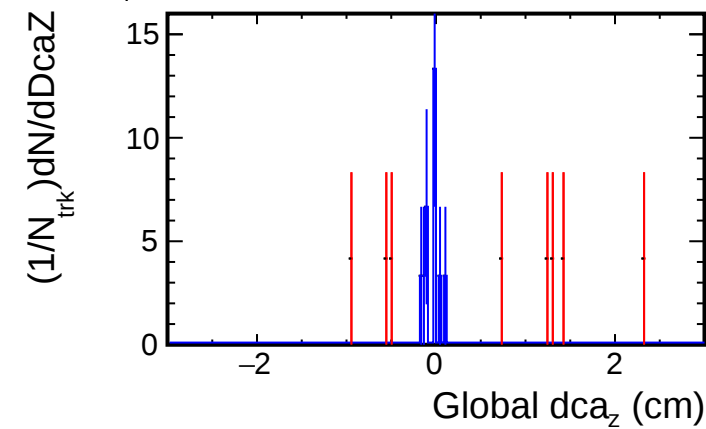
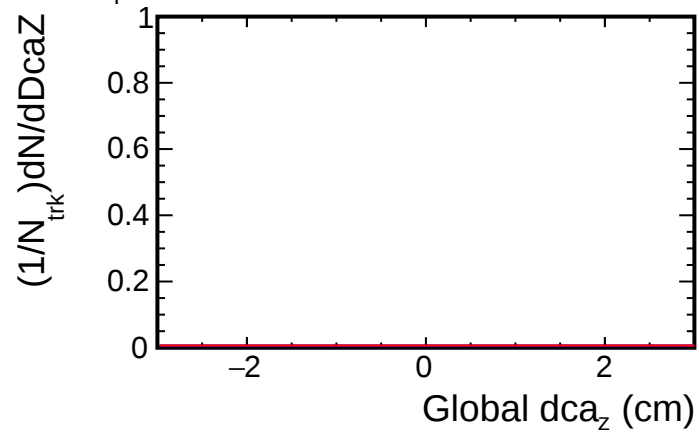
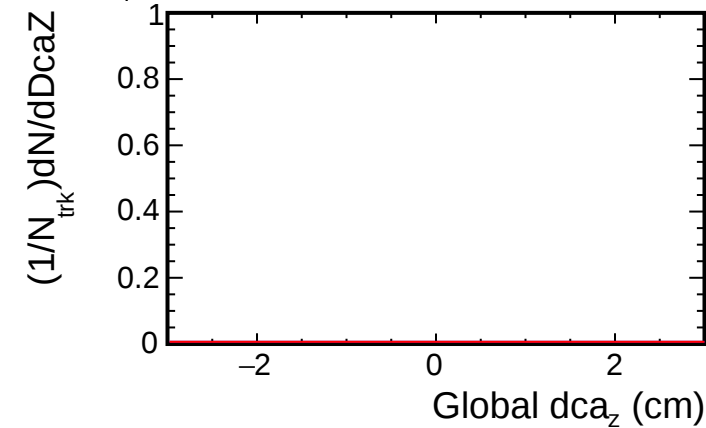
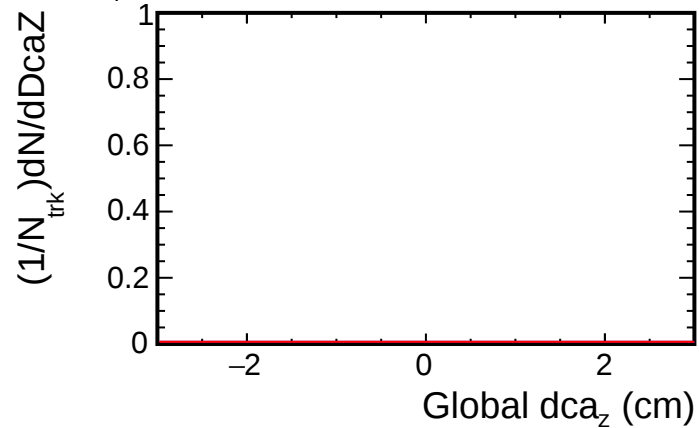
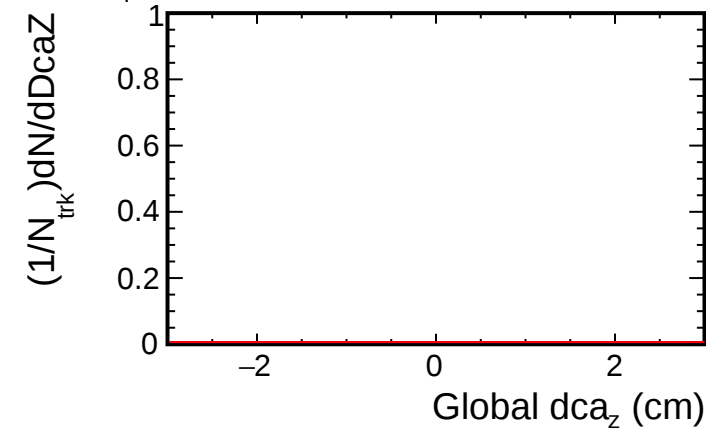
— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

DcaZ 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)

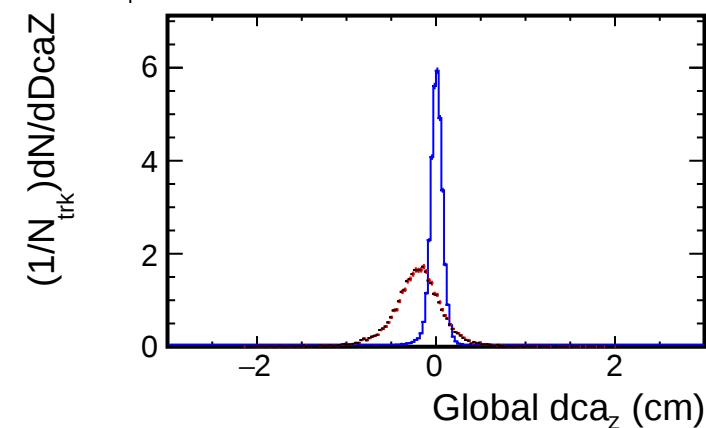
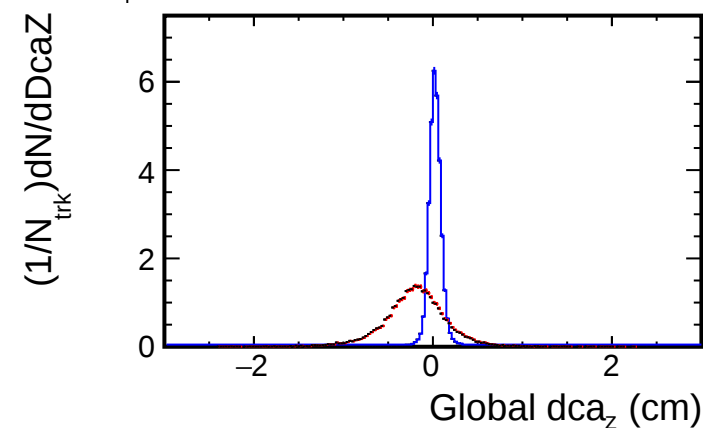
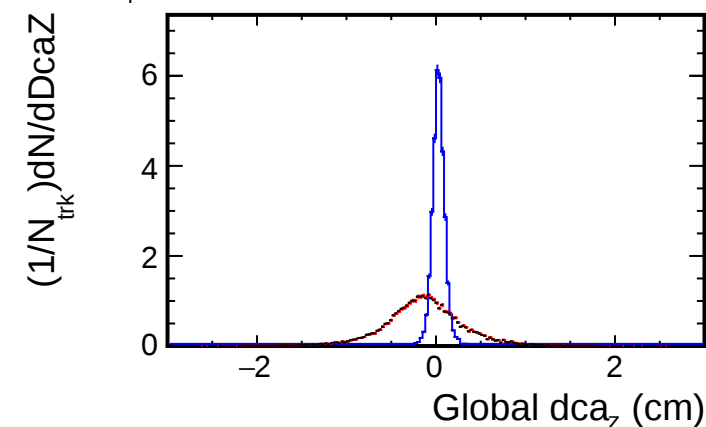
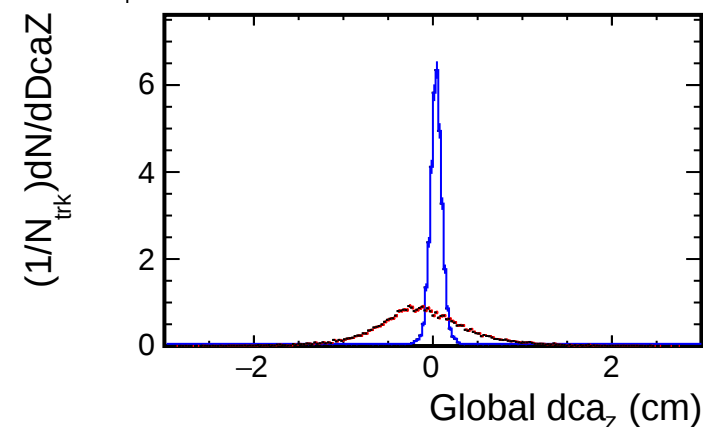
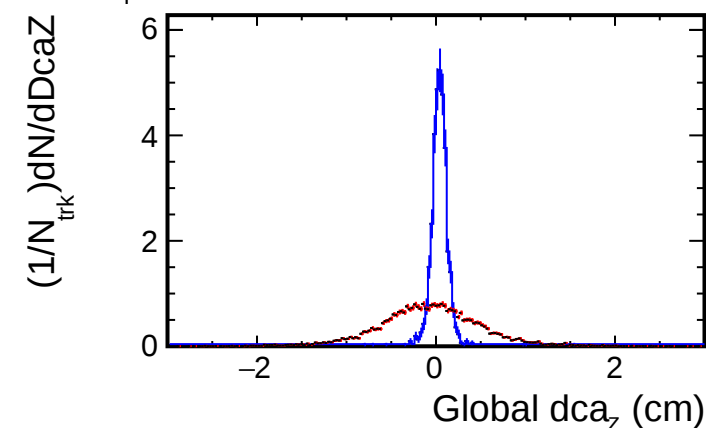
— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

DcaZ distribution for (p_T , η) slices2, $1.0 < p_T < 1.5$ (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)

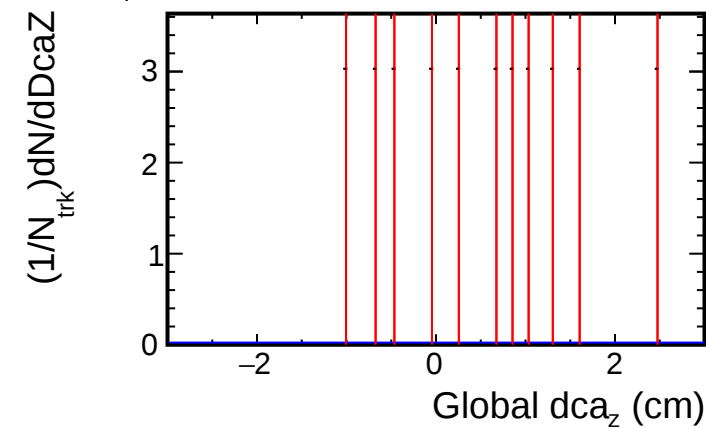
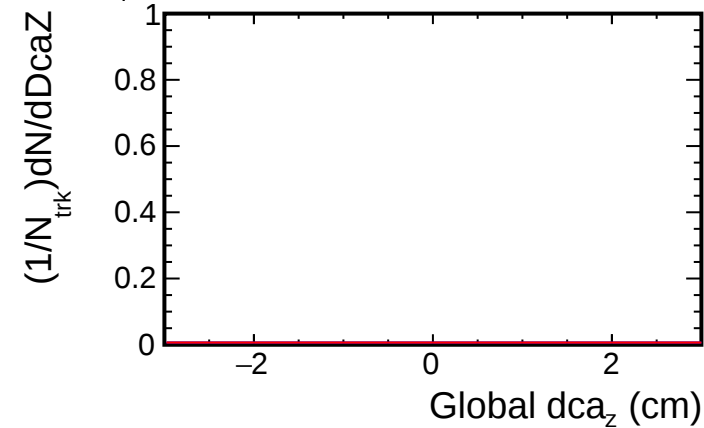
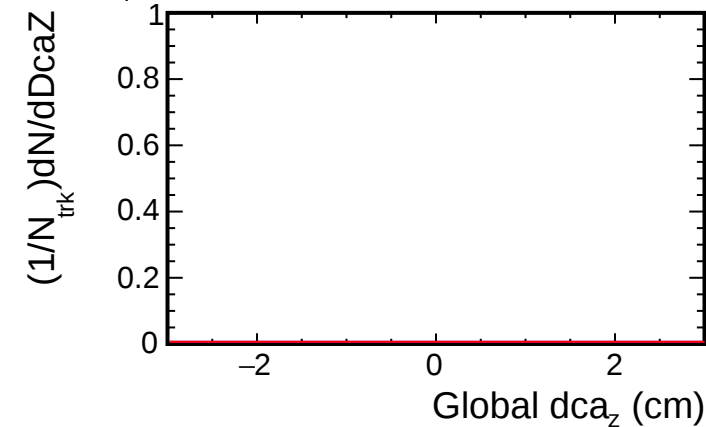
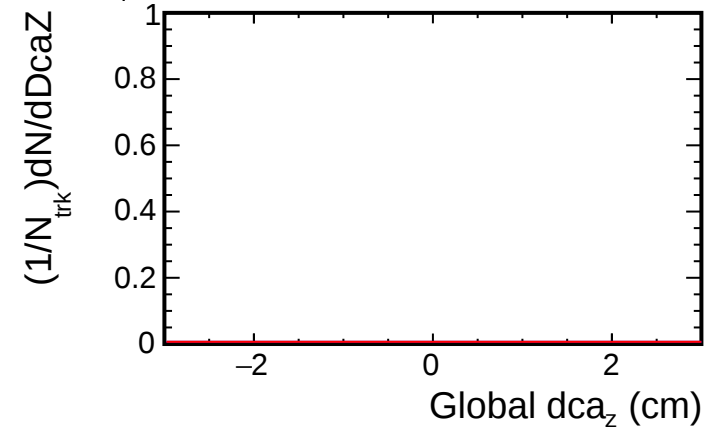
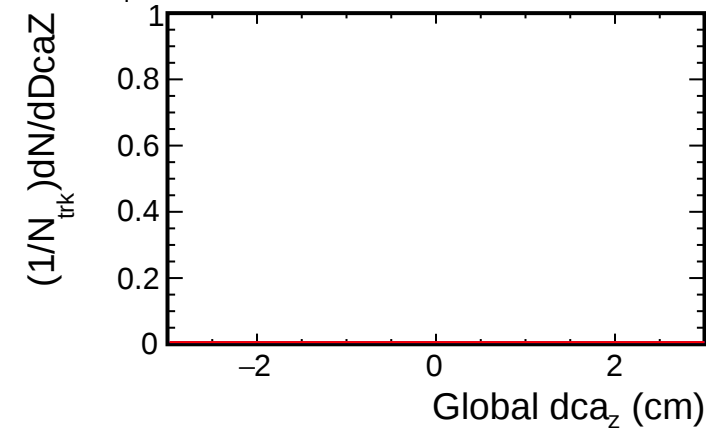
— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

DcaZ distribution for (p_T , η) slices1.8, $1.5 < p_T < 2.0$ (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)

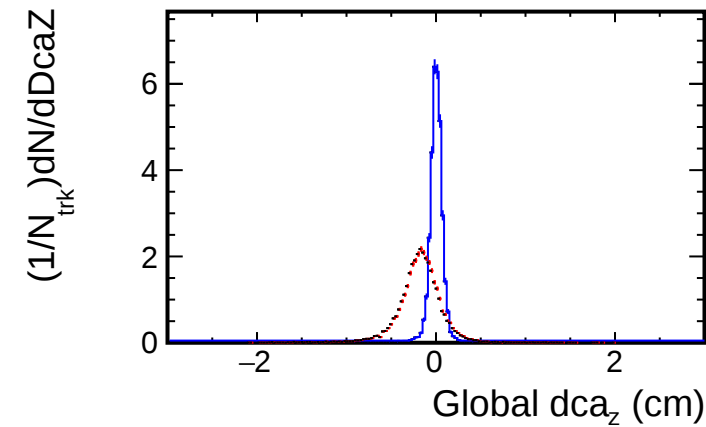
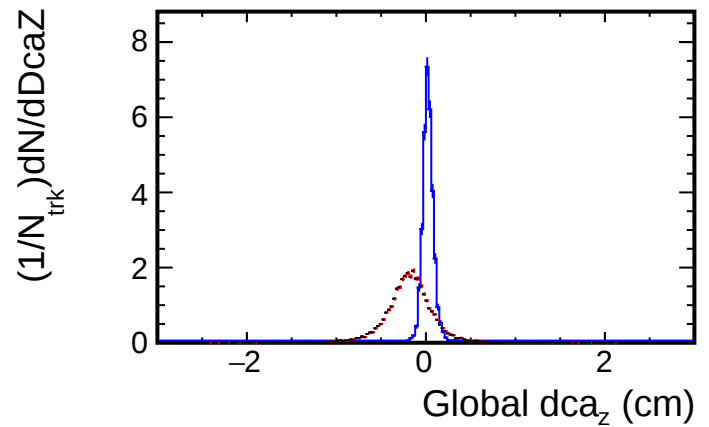
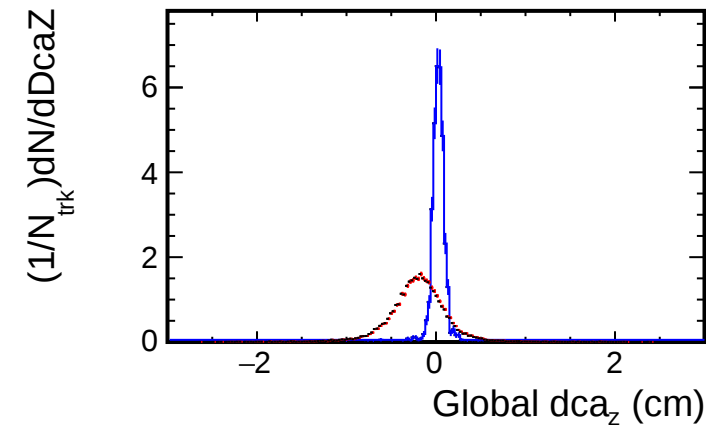
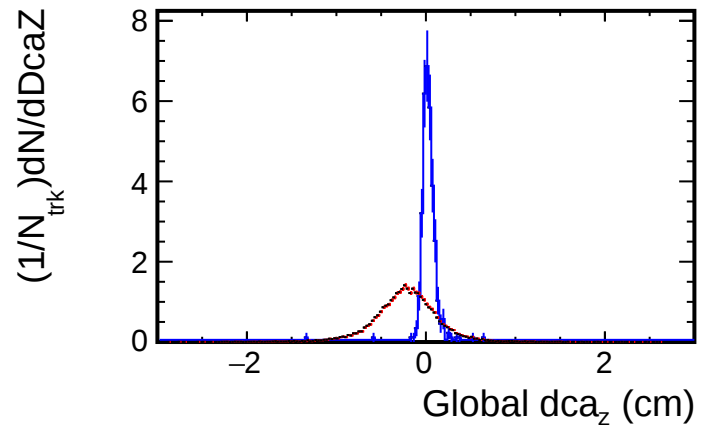
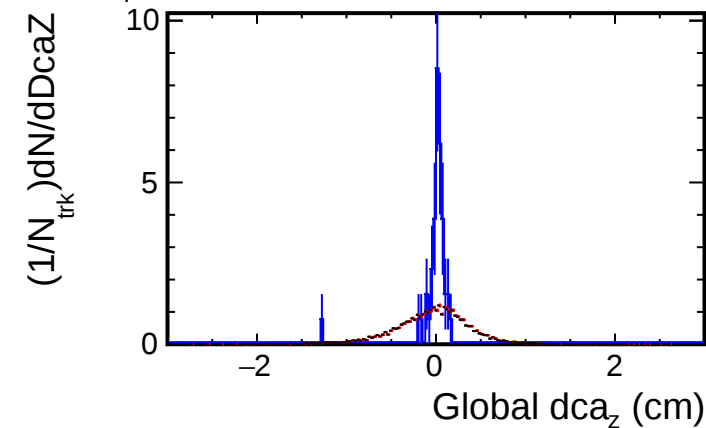
— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

DcaZ distribution for (p_T , η) slices2, $1.5 < p_T < 2.0$ (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)

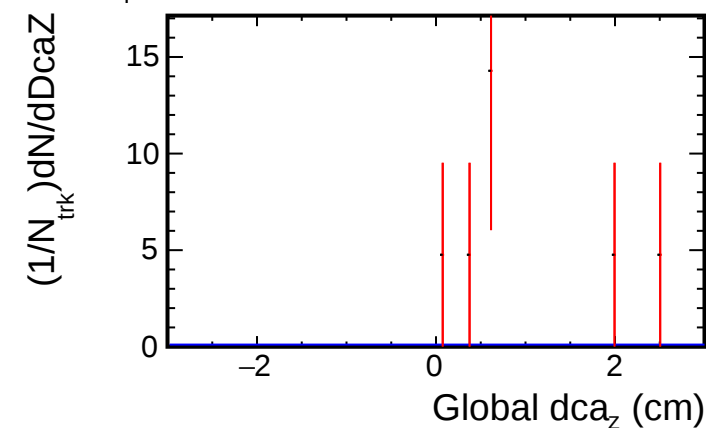
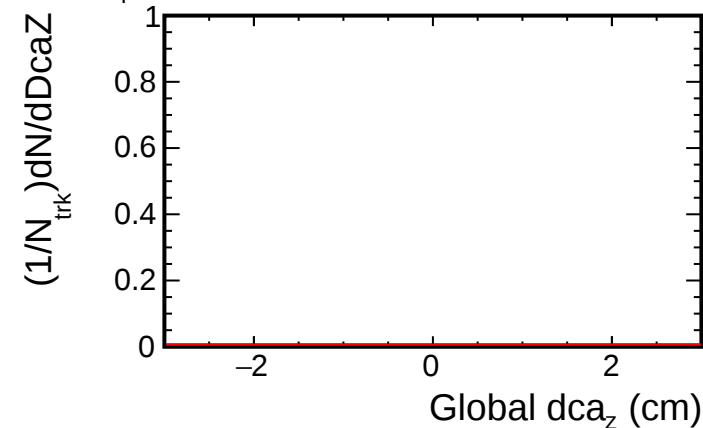
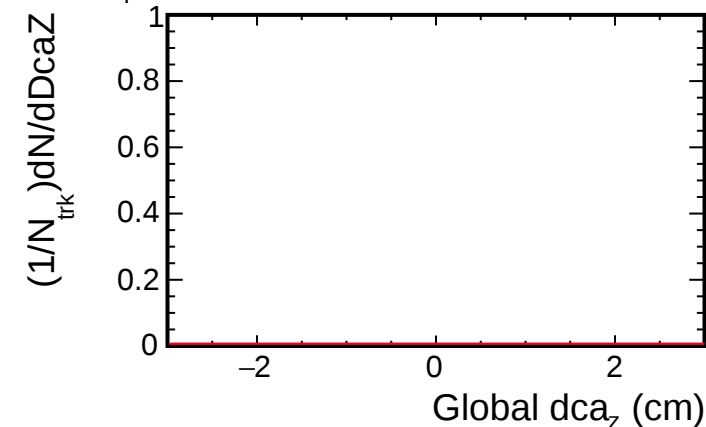
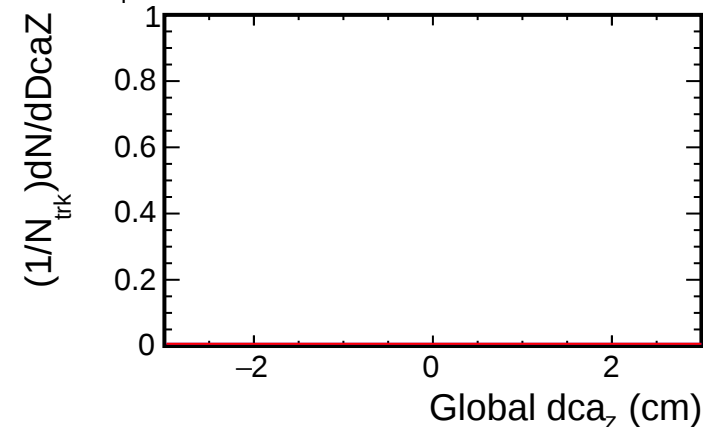
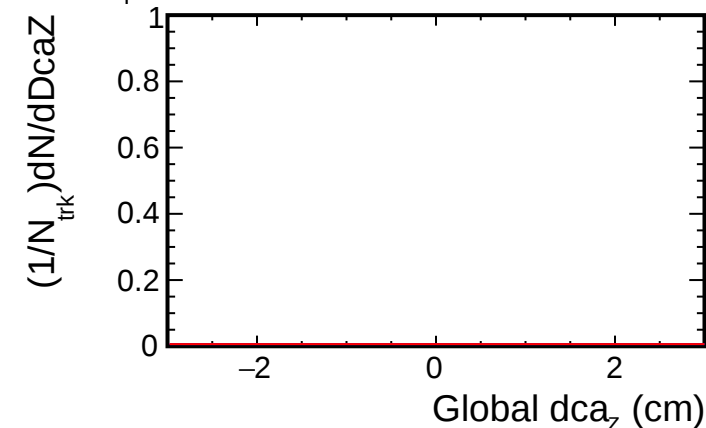
— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

— 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)

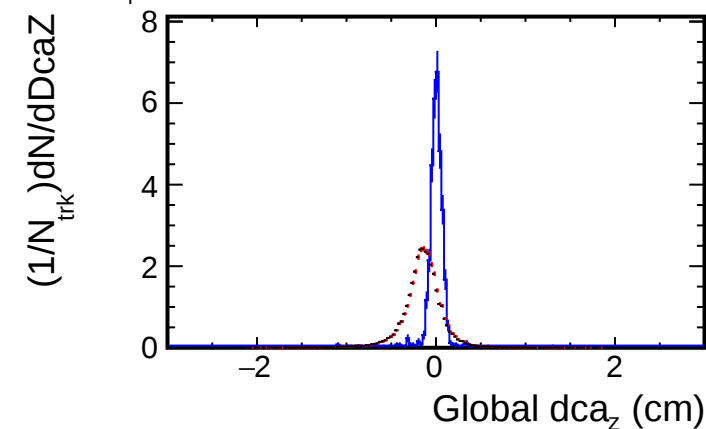
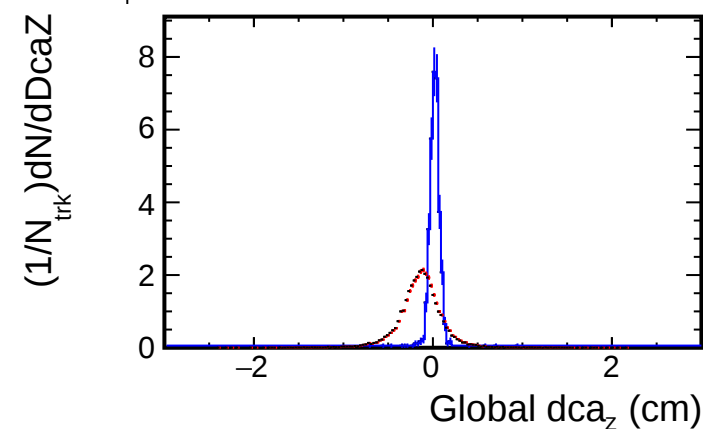
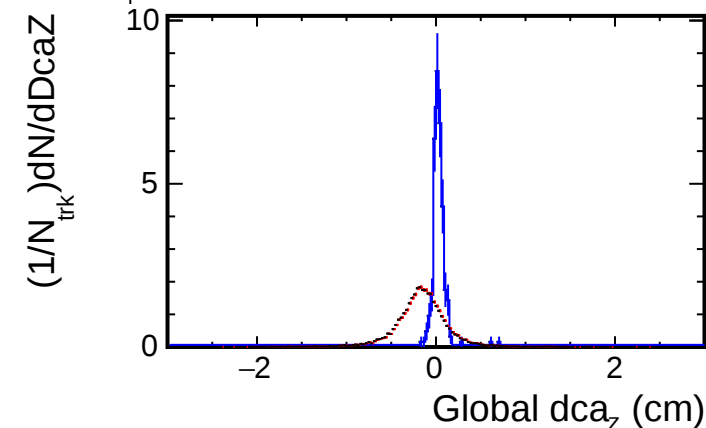
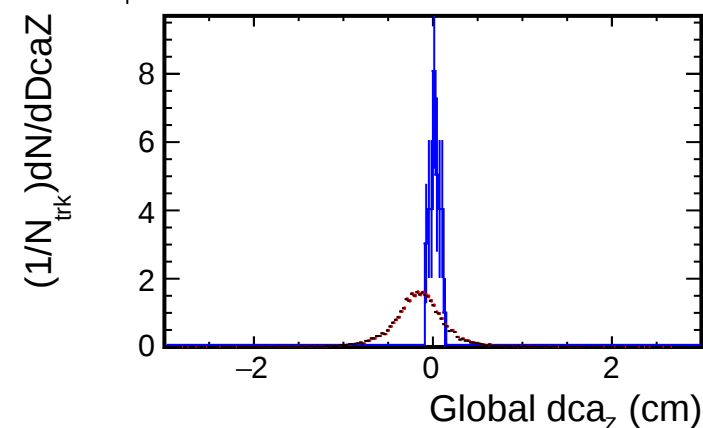
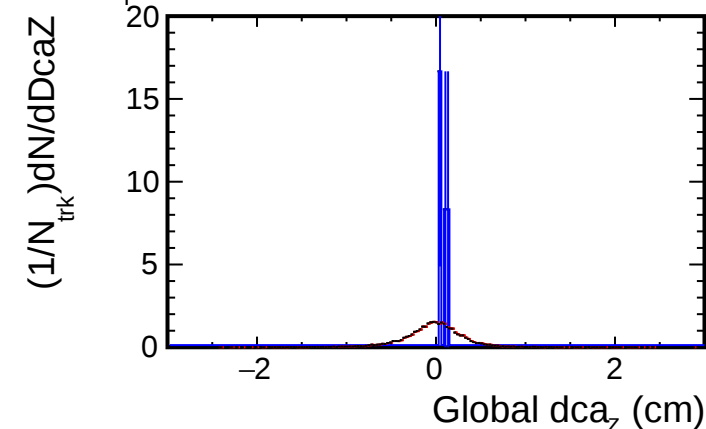
— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

DcaZ distribution for (p_T , η) slices2, $2.0 < p_T < 2.5$ (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)

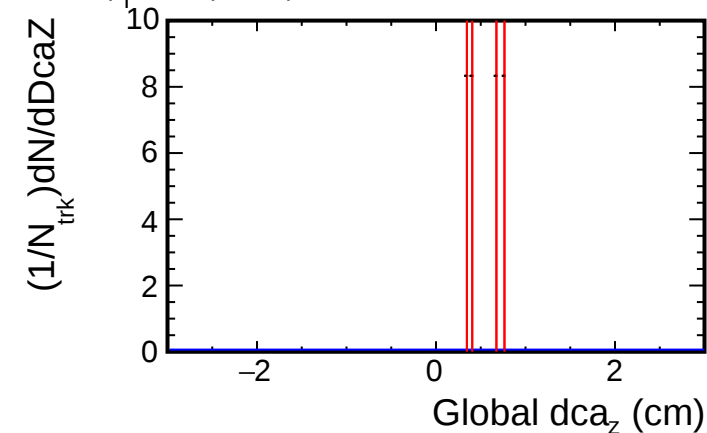
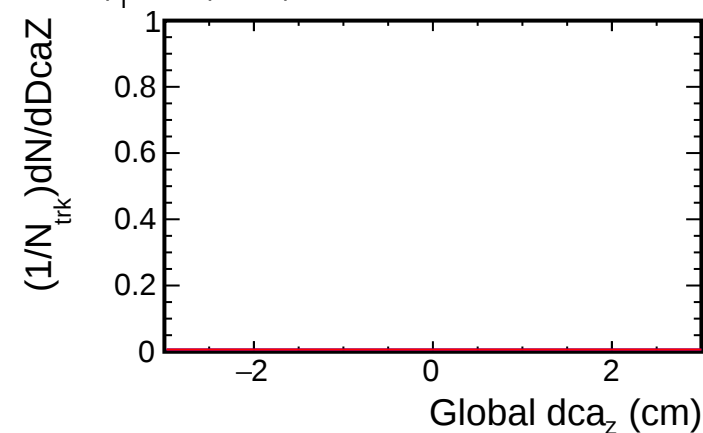
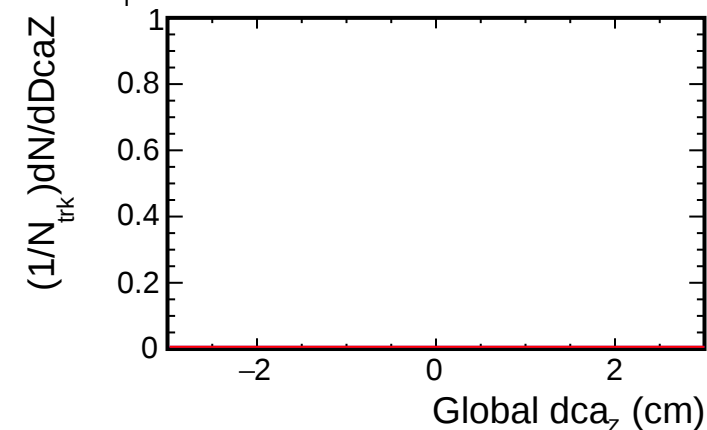
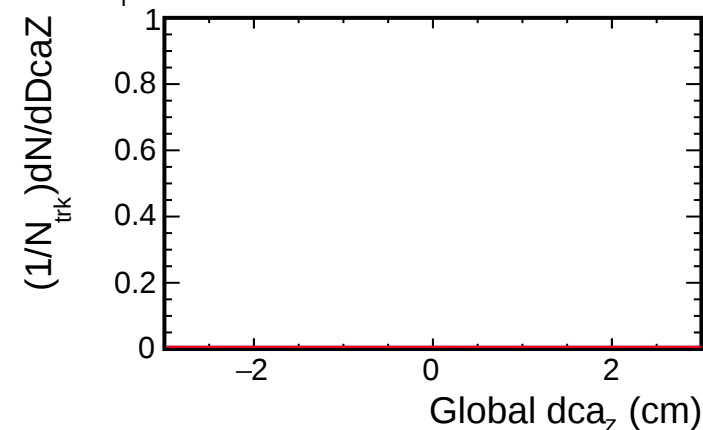
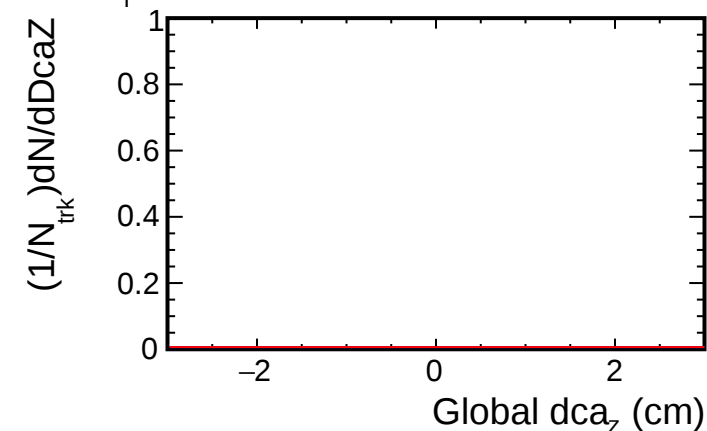
— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

— pi+
(PRIMARY, |n σ_{pi+}| < 2 TPC)

DcaZ distribution for (p_T , η) slices $1.8, 2.5 < p_T < 3.0$ (GeV/c) $1.6, 2.5 < p_T < 3.0$ (GeV/c) $1.4, 2.5 < p_T < 3.0$ (GeV/c) $1.2, 2.5 < p_T < 3.0$ (GeV/c) $1.0, 2.5 < p_T < 3.0$ (GeV/c)

— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

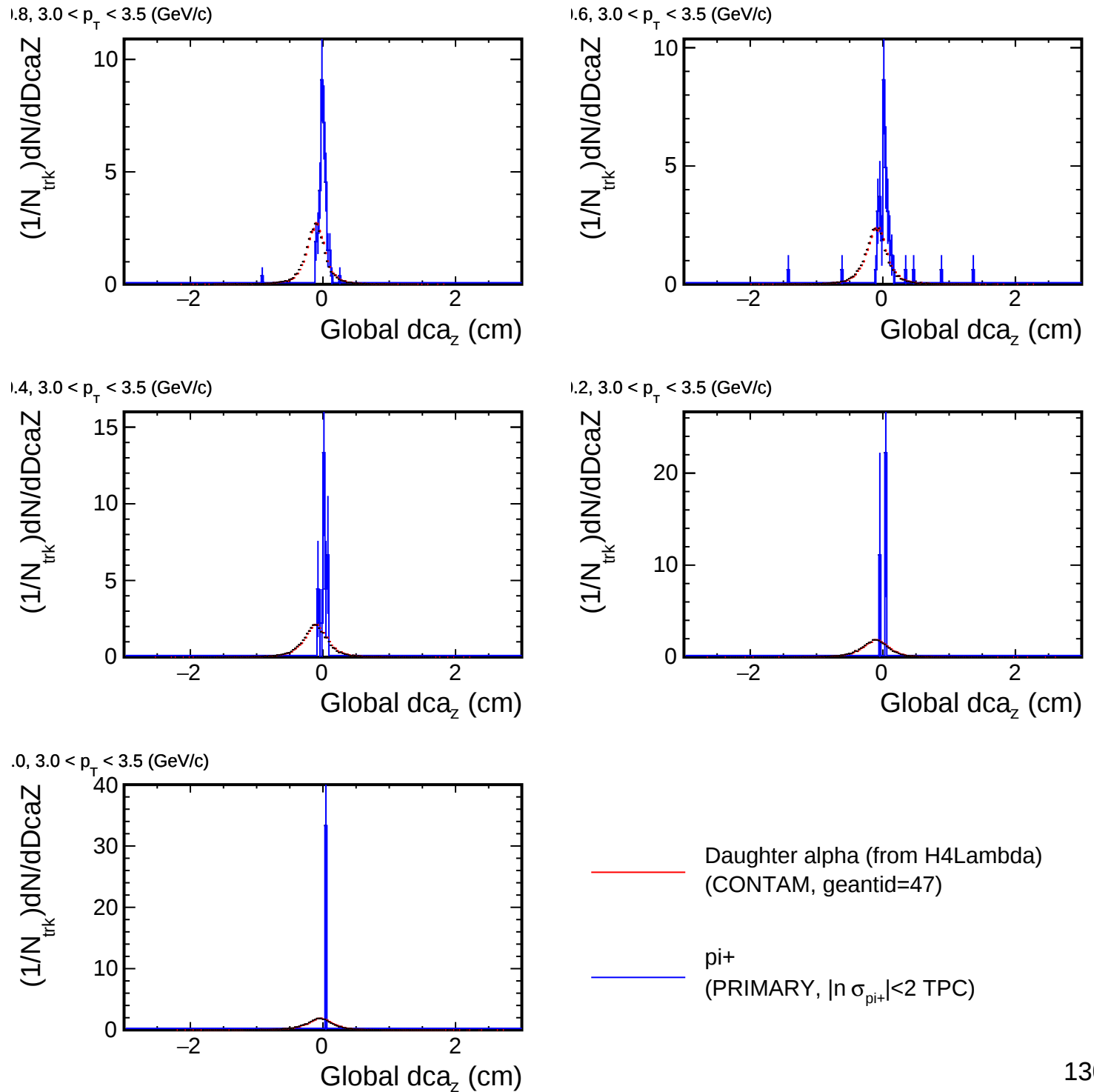
— pi⁺
(PRIMARY, |n σ_{pi+}| < 2 TPC)

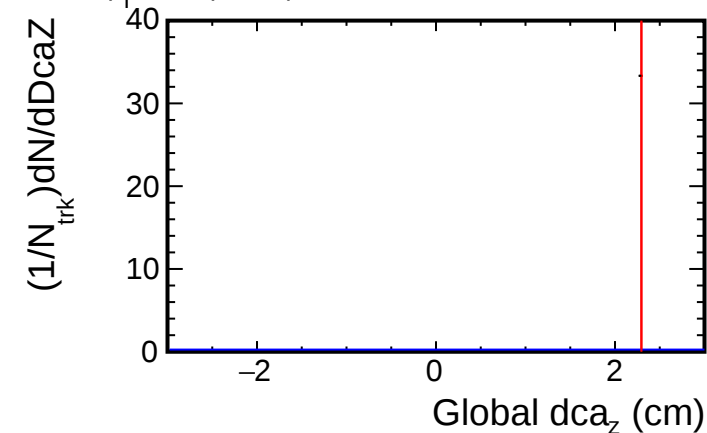
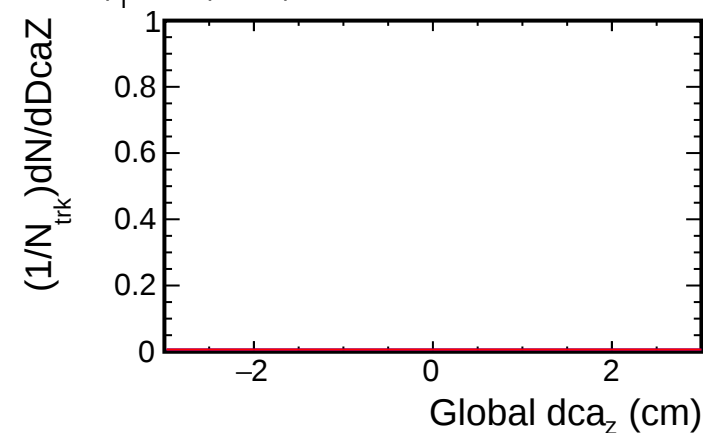
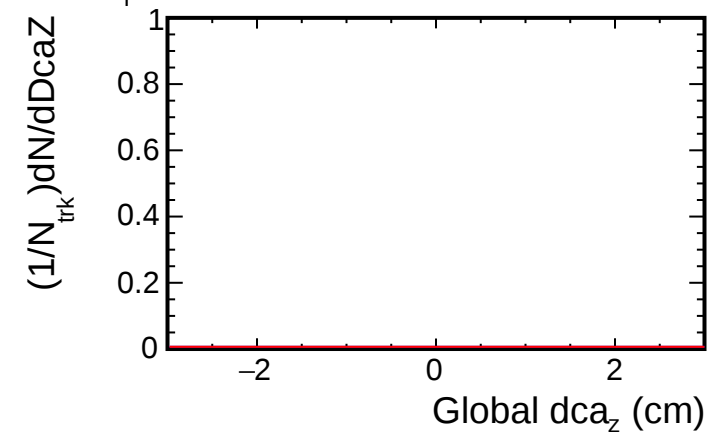
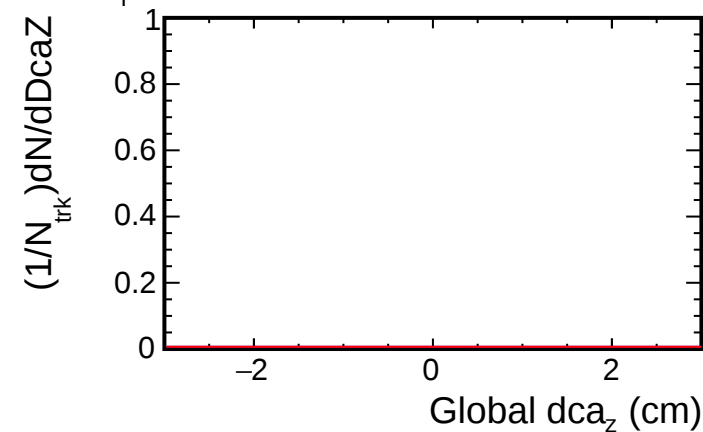
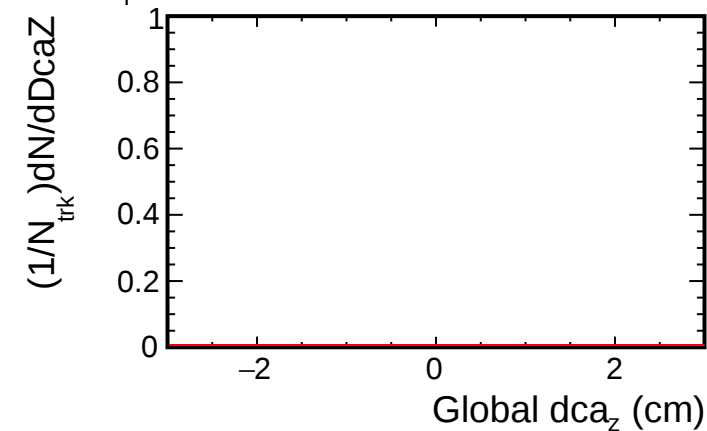
DcaZ distribution for (p_T , η) slices2, $2.5 < p_T < 3.0$ (GeV/c)4, $2.5 < p_T < 3.0$ (GeV/c)6, $2.5 < p_T < 3.0$ (GeV/c)8, $2.5 < p_T < 3.0$ (GeV/c)0, $2.5 < p_T < 3.0$ (GeV/c)

— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

DcaZ distribution for (p_T , η) slices



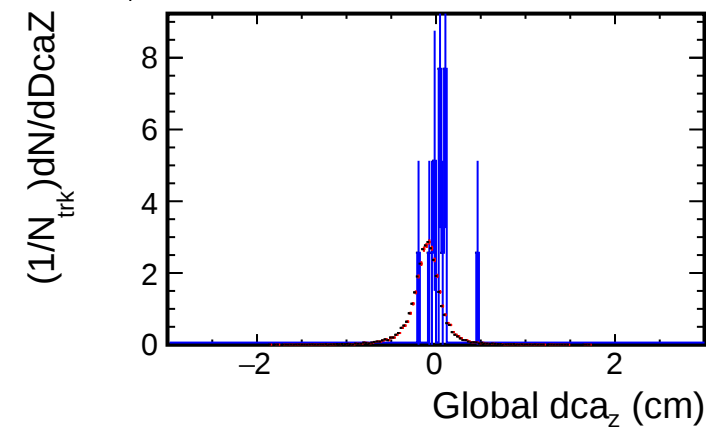
DcaZ distribution for (p_T , η) slices2, $3.0 < p_T < 3.5$ (GeV/c)4, $3.0 < p_T < 3.5$ (GeV/c)6, $3.0 < p_T < 3.5$ (GeV/c)8, $3.0 < p_T < 3.5$ (GeV/c)0, $3.0 < p_T < 3.5$ (GeV/c)

— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

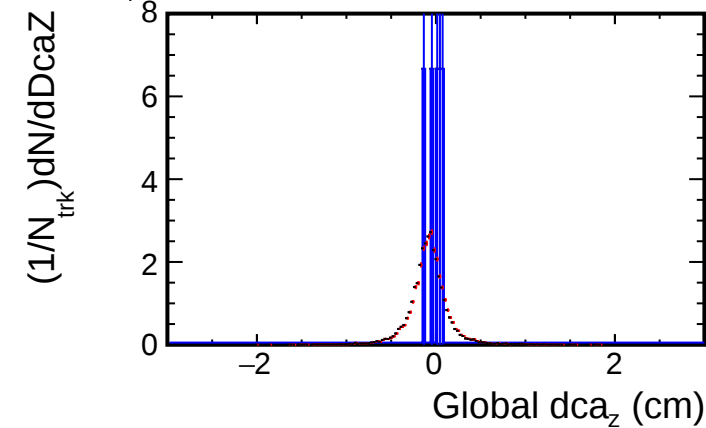
— pi+
(PRIMARY, $|\ln \sigma_{pi+}| < 2$ TPC)

DcaZ distribution for (p_T , η) slices

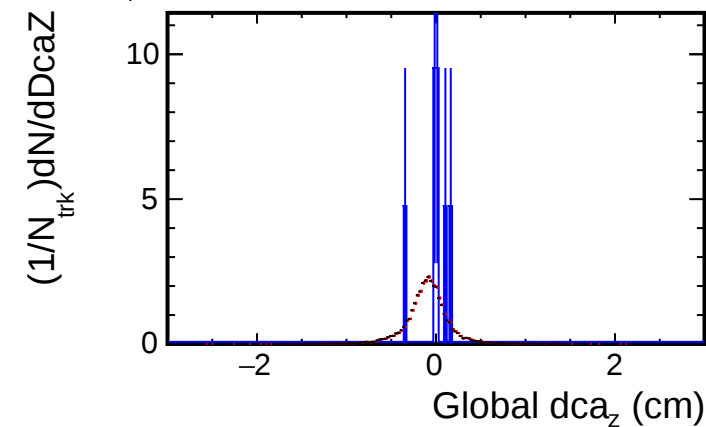
1.8, $3.5 < p_T < 4.0$ (GeV/c)



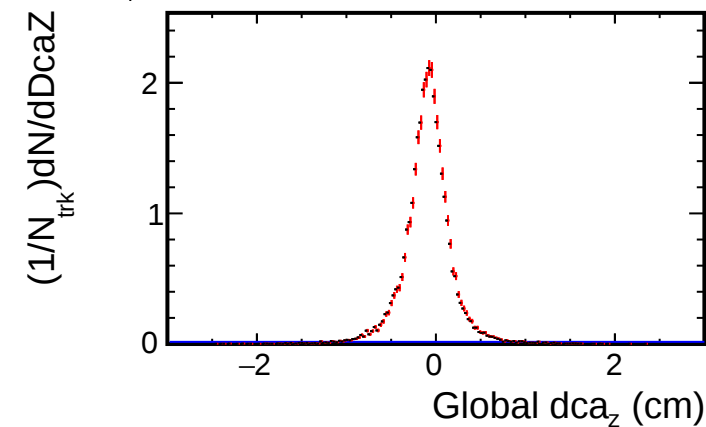
1.6, $3.5 < p_T < 4.0$ (GeV/c)



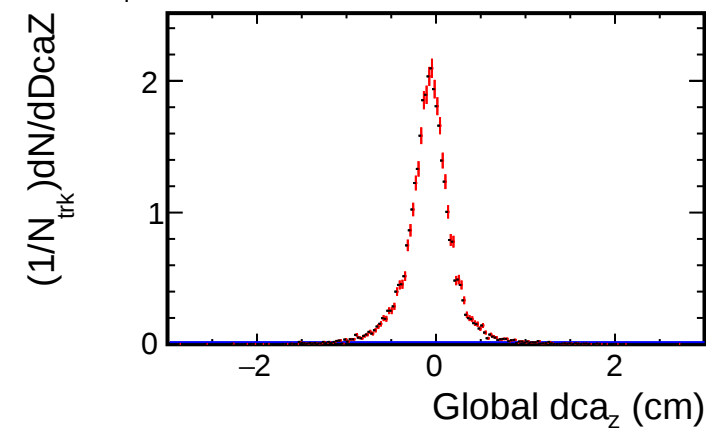
1.4, $3.5 < p_T < 4.0$ (GeV/c)



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

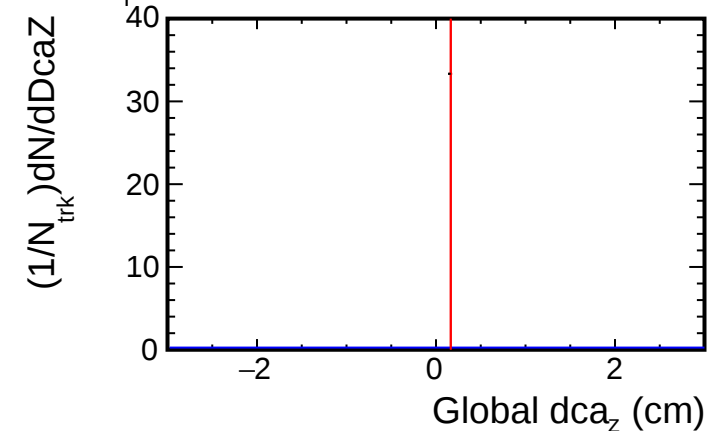
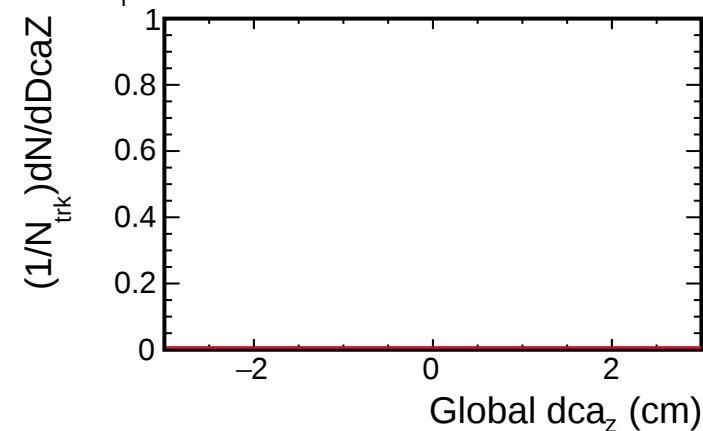
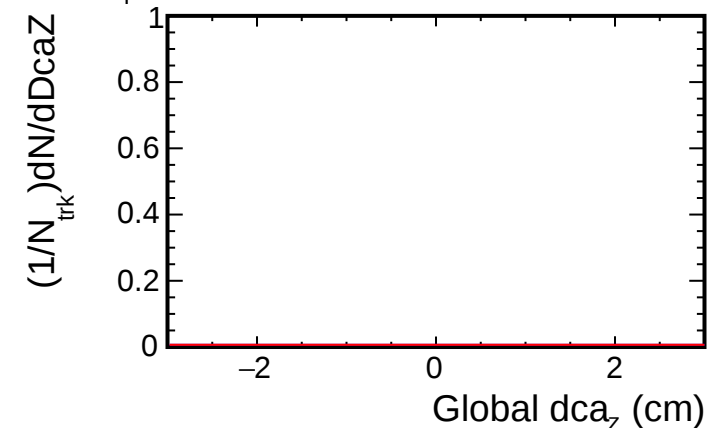
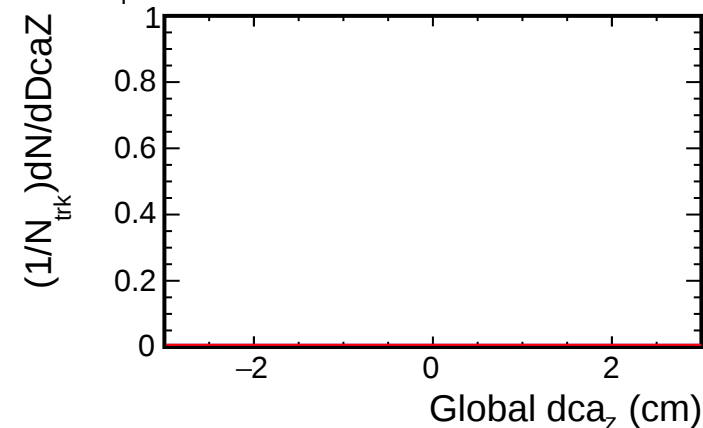
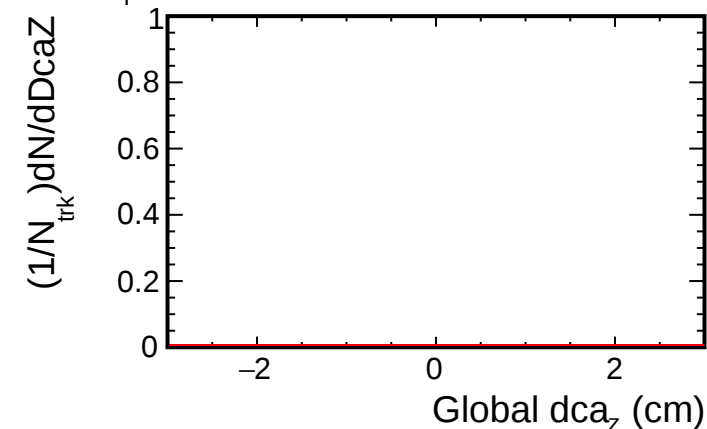


1.0, $3.5 < p_T < 4.0$ (GeV/c)



— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

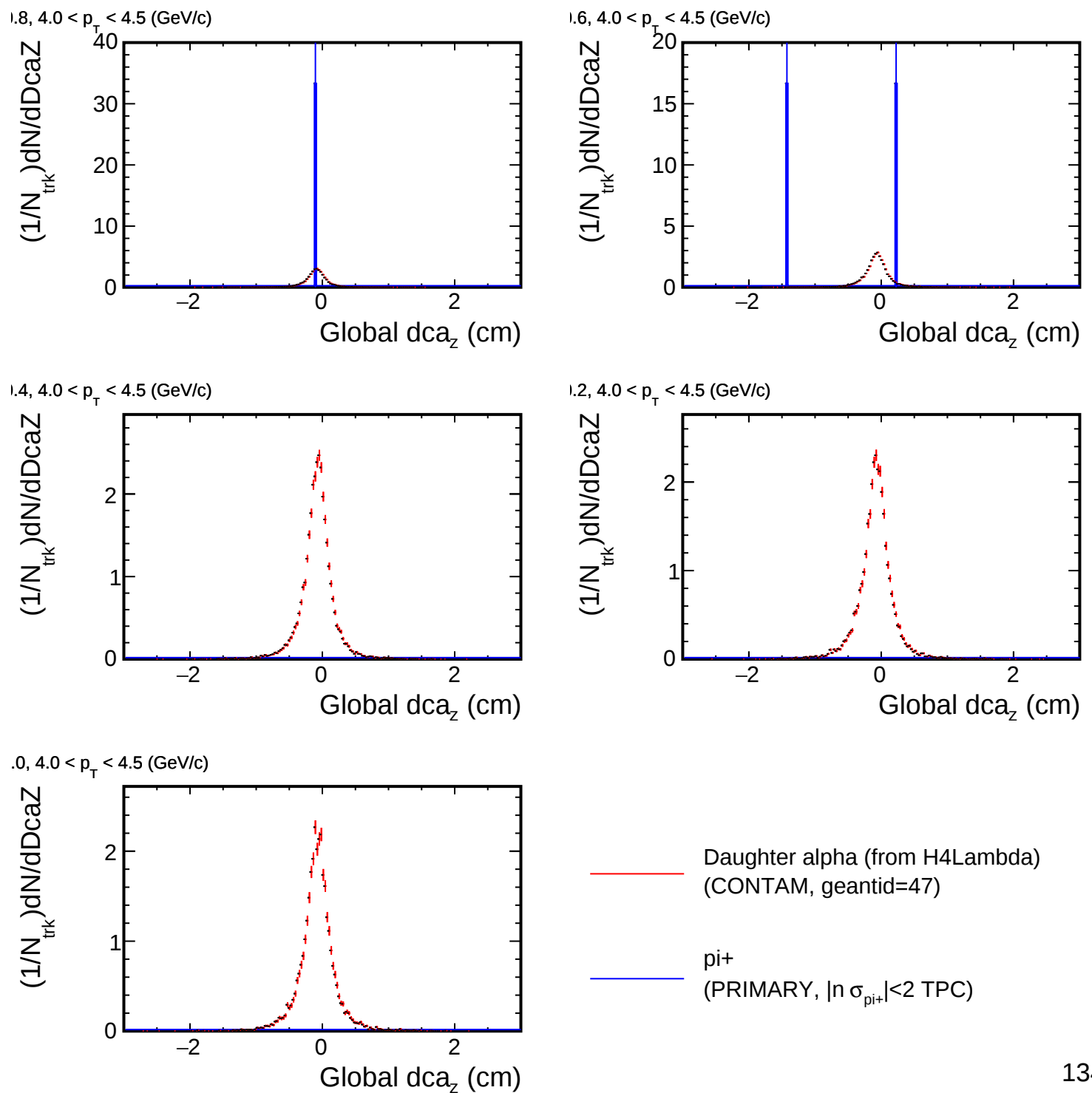
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

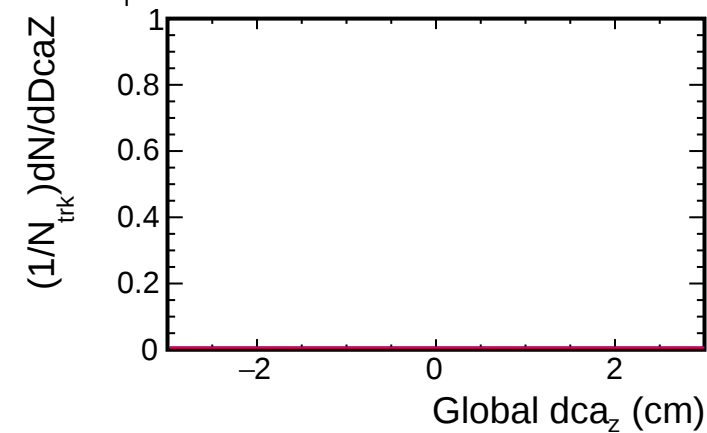
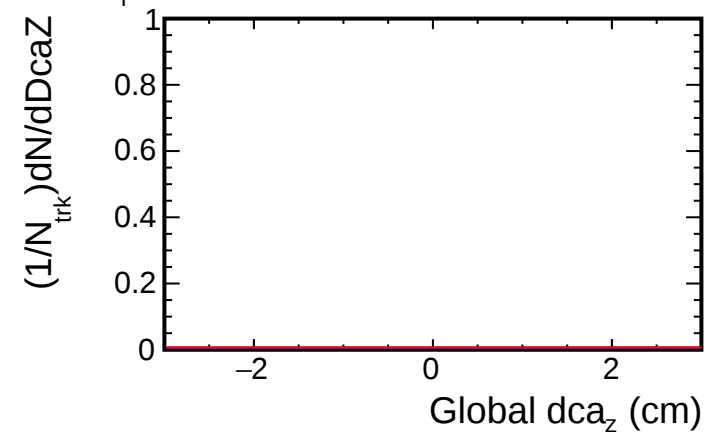
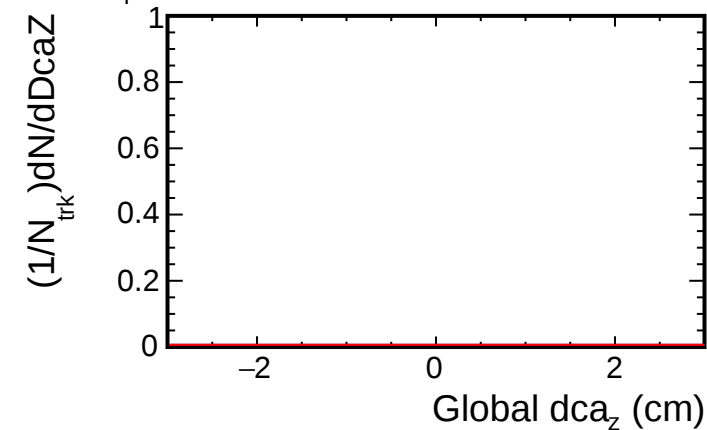
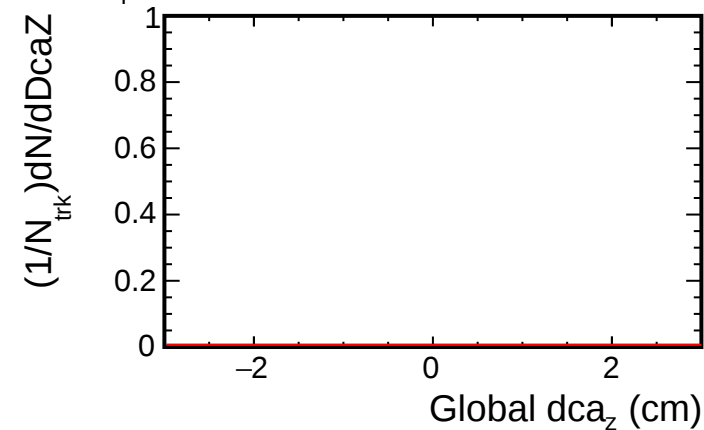
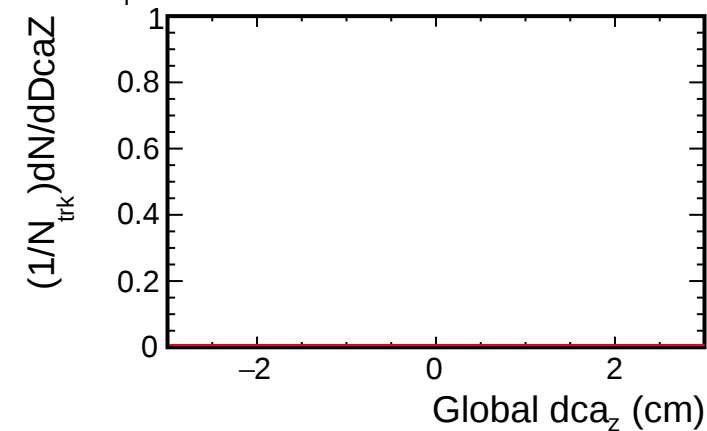
DcaZ distribution for (p_T , η) slices2, $3.5 < p_T < 4.0$ (GeV/c)4, $3.5 < p_T < 4.0$ (GeV/c)6, $3.5 < p_T < 4.0$ (GeV/c)8, $3.5 < p_T < 4.0$ (GeV/c)0, $3.5 < p_T < 4.0$ (GeV/c)

— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

— pi+
(PRIMARY, |n σ_{pi+}| < 2 TPC)

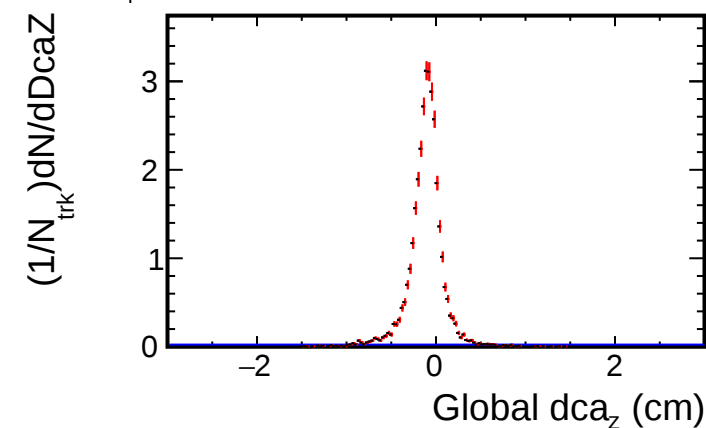
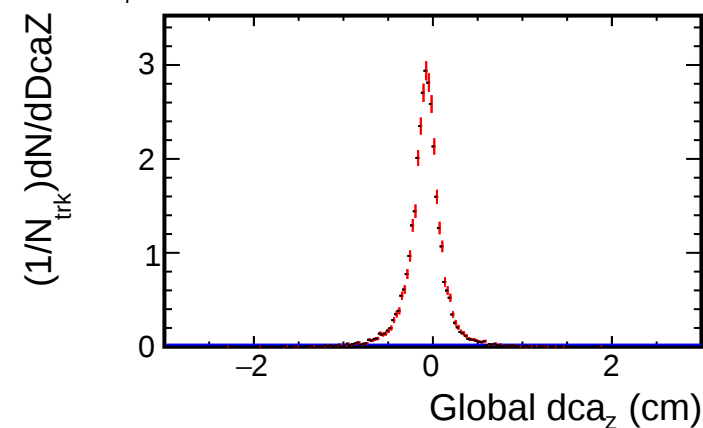
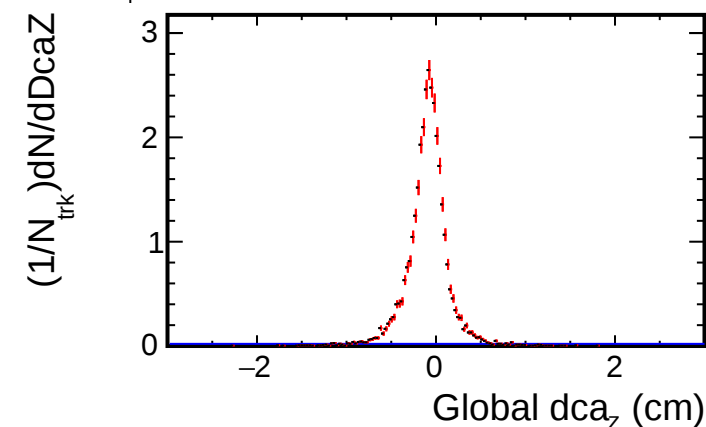
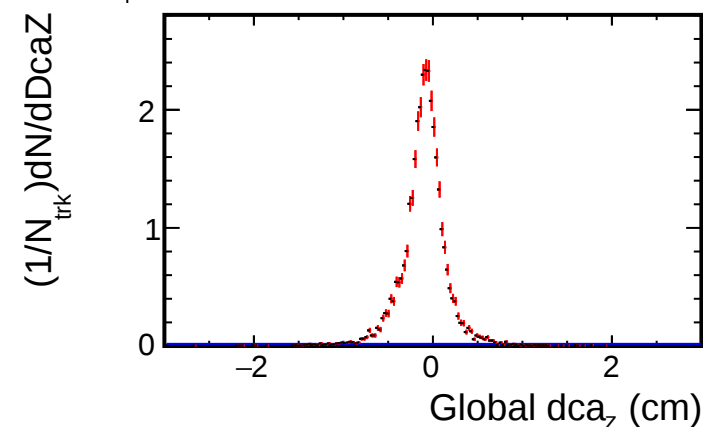
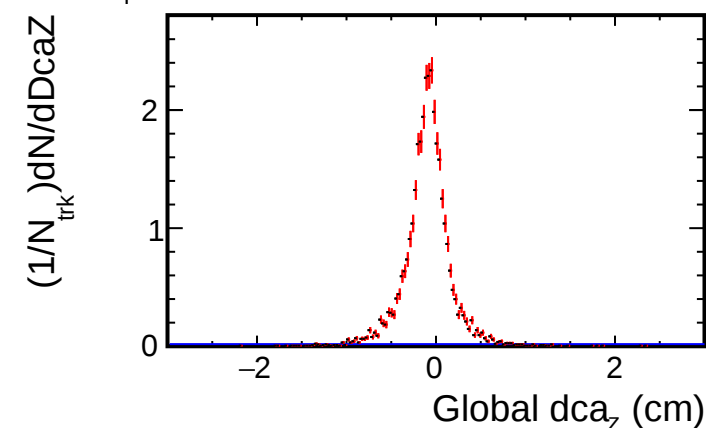
DcaZ distribution for (p_T , η) slices



DcaZ distribution for (p_T , η) slices2, $4.0 < p_T < 4.5$ (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)

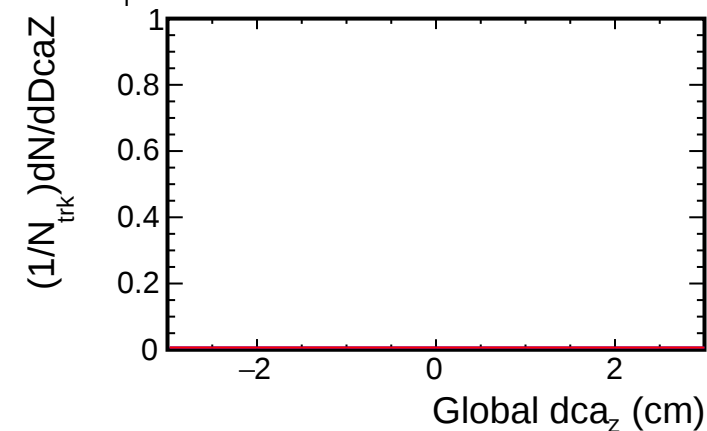
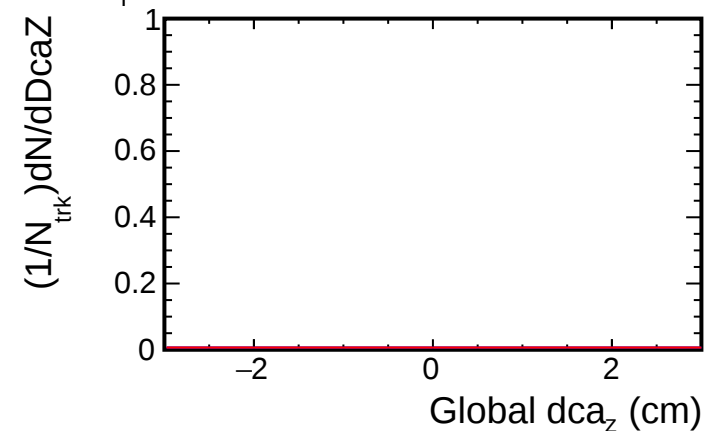
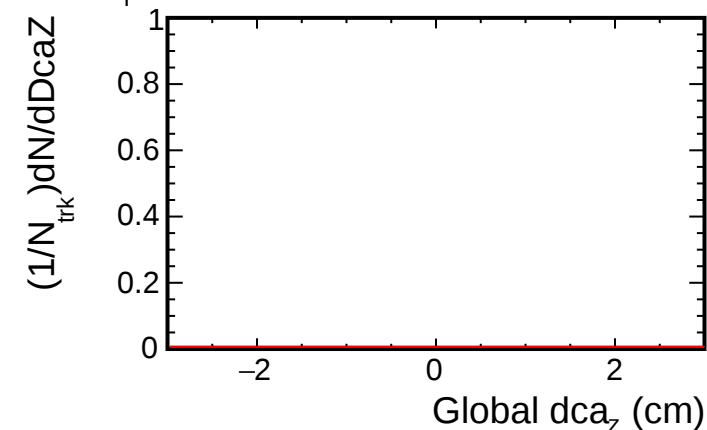
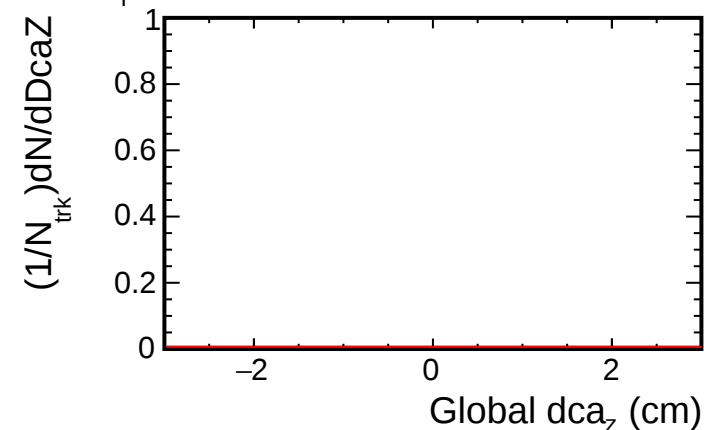
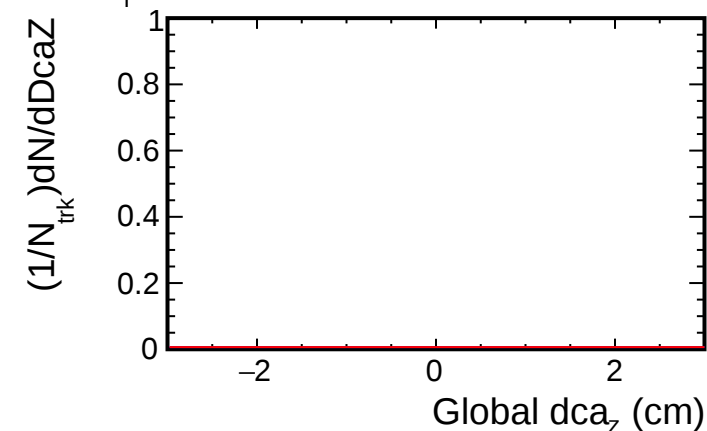
— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

— pi+
(PRIMARY, |n σ_{pi+}| < 2 TPC)

DcaZ distribution for (p_T , η) slices1.8, $4.5 < p_T < 5.0$ (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)

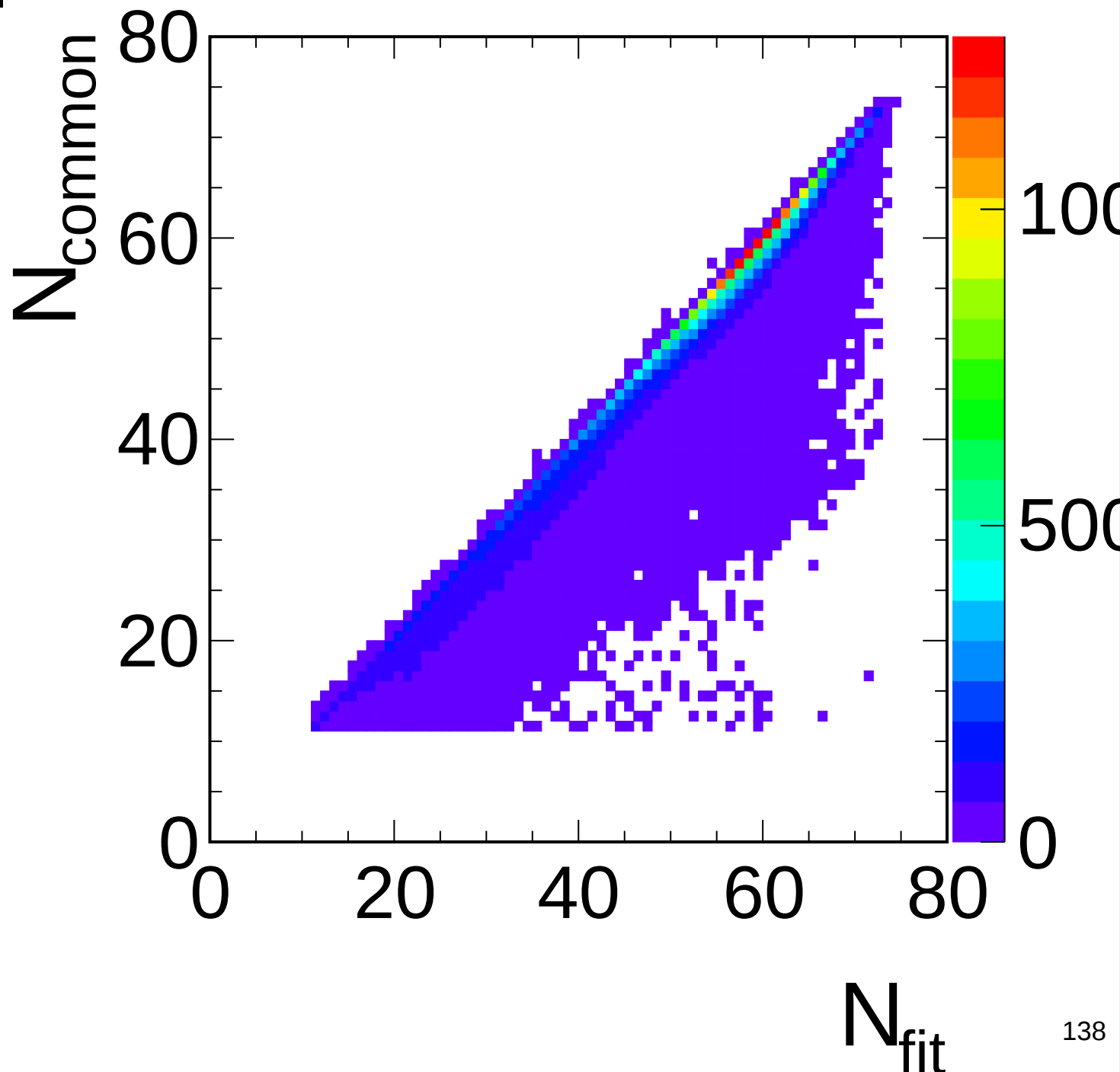
— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

DcaZ distribution for (p_T , η) slices2, $4.5 < p_T < 5.0$ (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)

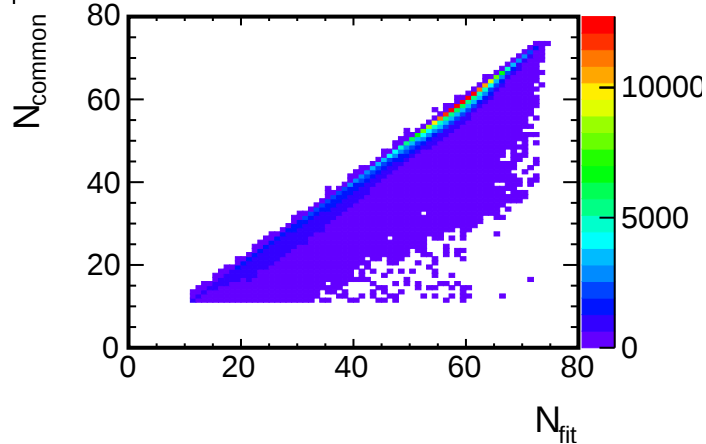
— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

— pi+
(PRIMARY, |n σ_{pi+}| < 2 TPC)

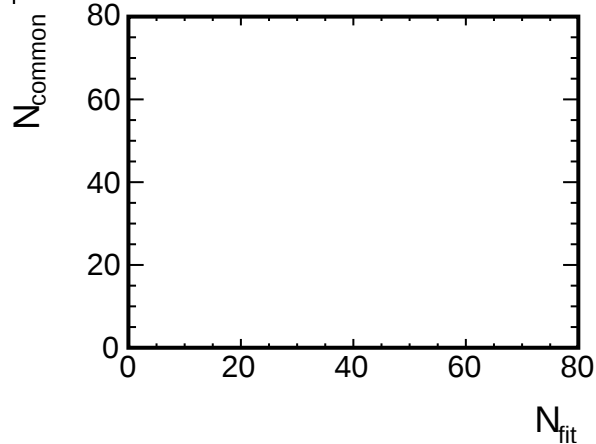
N_{common} vs N_{hit} (Embedding:pi-, Real:pi-) $p_T < 5.0 \text{ GeV}/c$ 

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

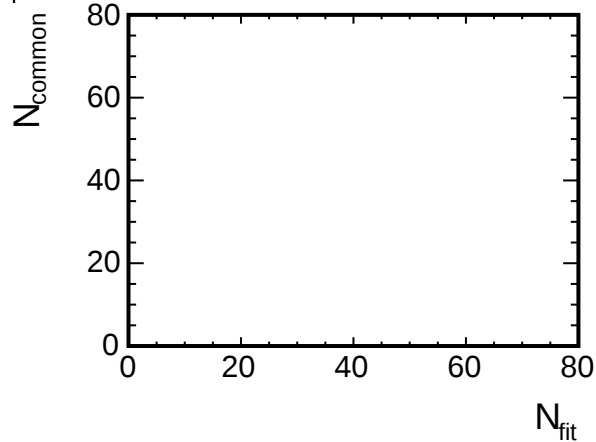
$< p_T < 0.5$ GeV/c



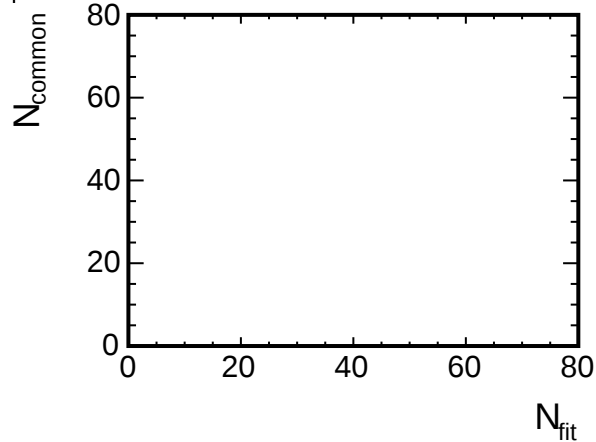
$< p_T < 1.0$ GeV/c



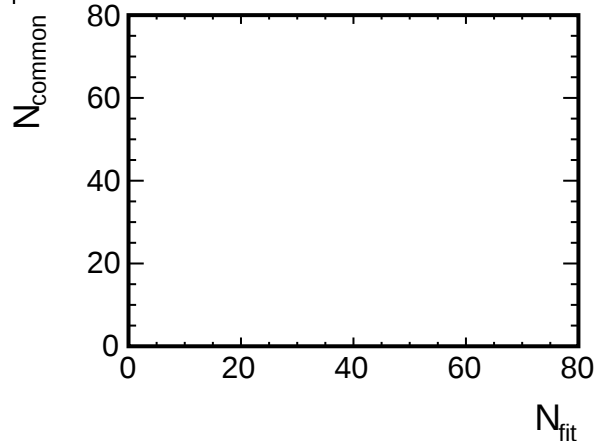
$< p_T < 1.5$ GeV/c

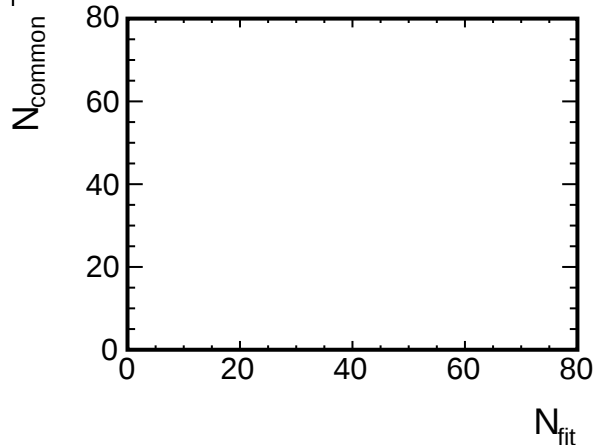
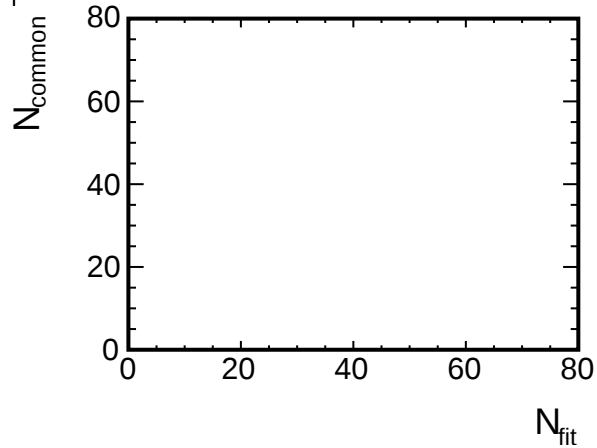
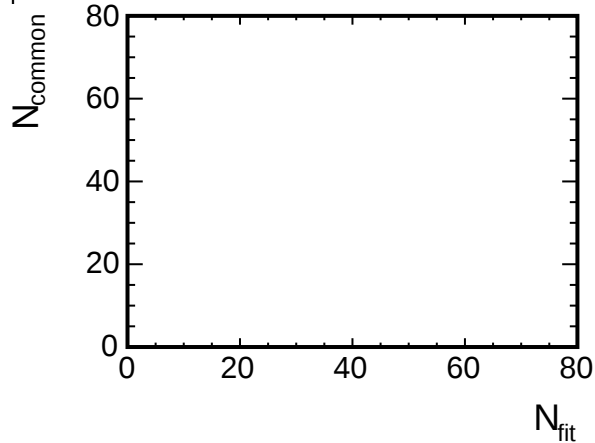
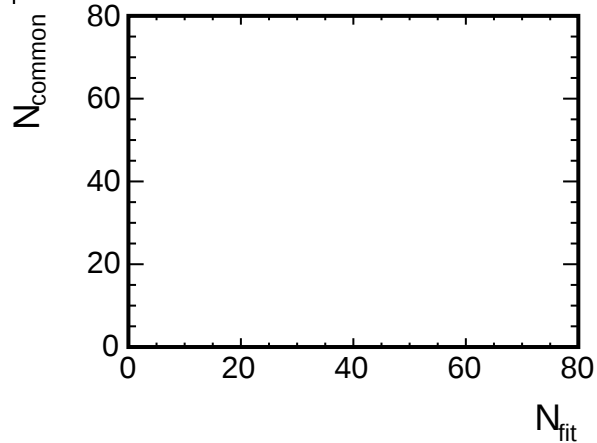
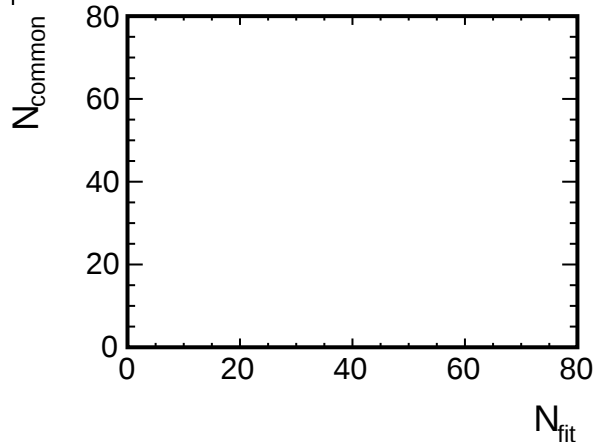


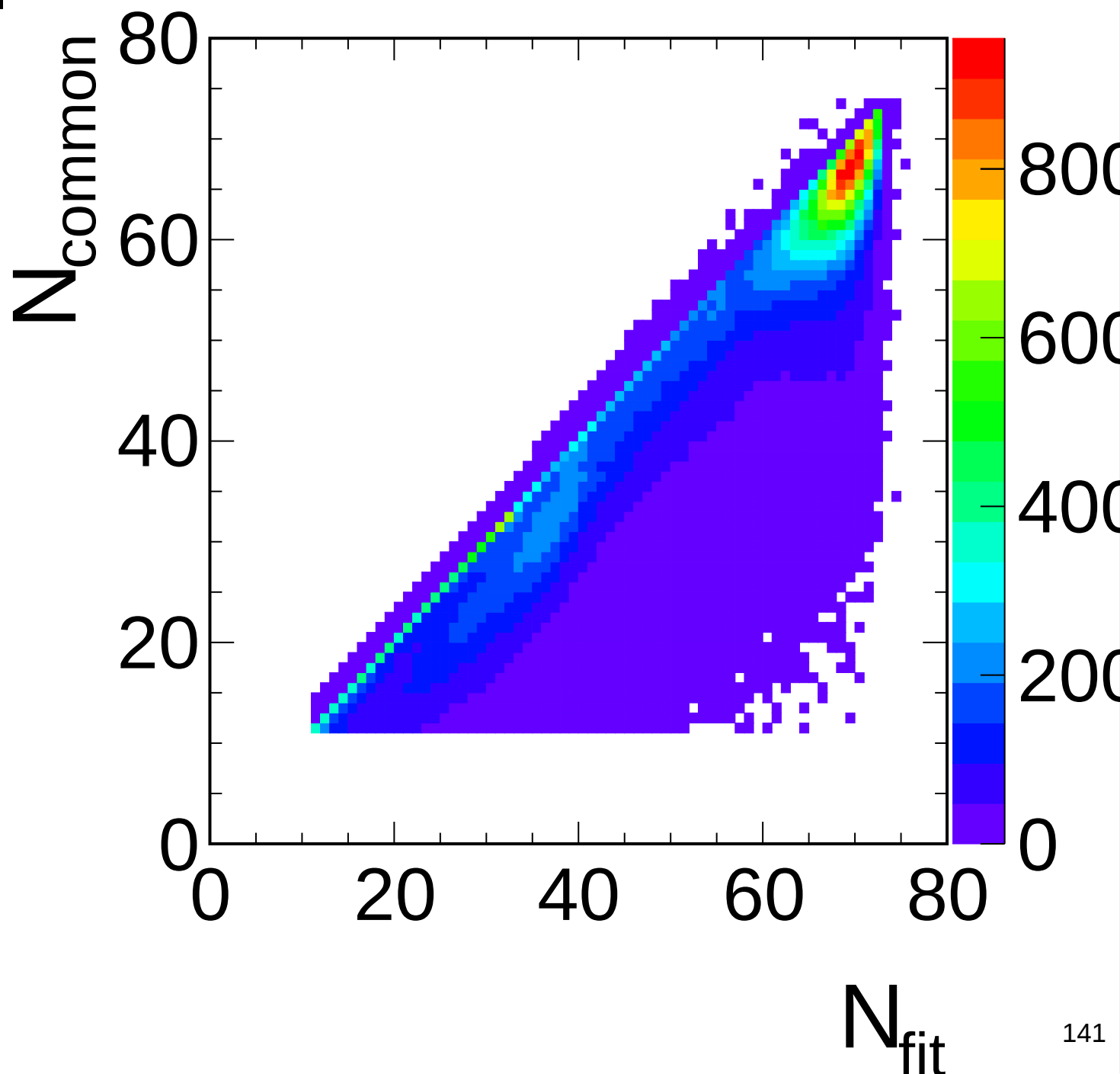
$< p_T < 2.0$ GeV/c



$< p_T < 2.5$ GeV/c

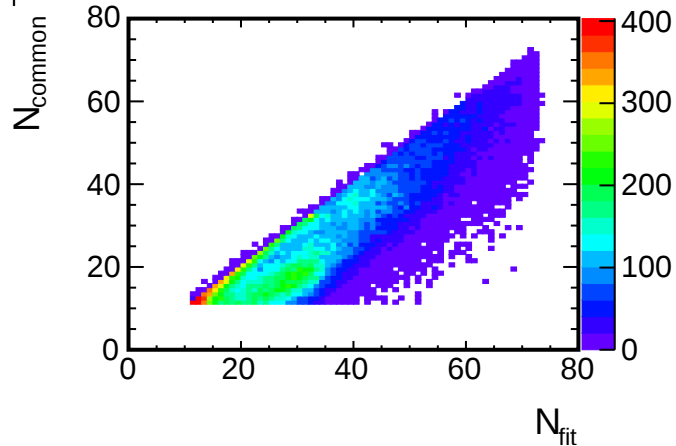


N_{common} vs N_{hit}, p_T dependence (Embedding:pi-, Real:pi-)< p_T < 3.0 GeV/c< p_T < 3.5 GeV/c< p_T < 4.0 GeV/c< p_T < 4.5 GeV/c< p_T < 5.0 GeV/c

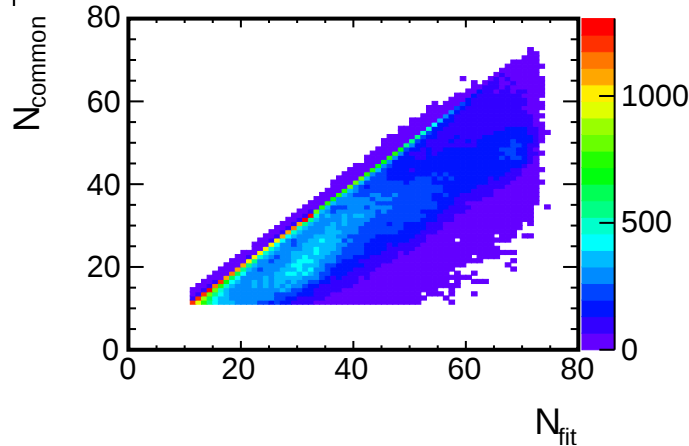
N_{common} vs N_{hit} (Embedding:alpha, Real:alpha) $p_T < 5.0 \text{ GeV/c}$ 

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

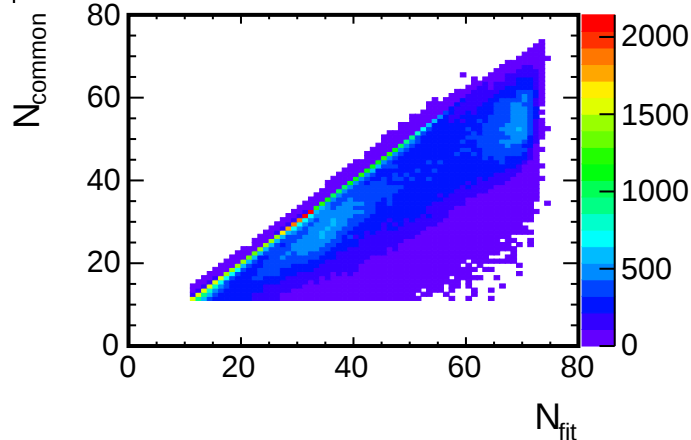
$< p_T < 0.5$ GeV/c



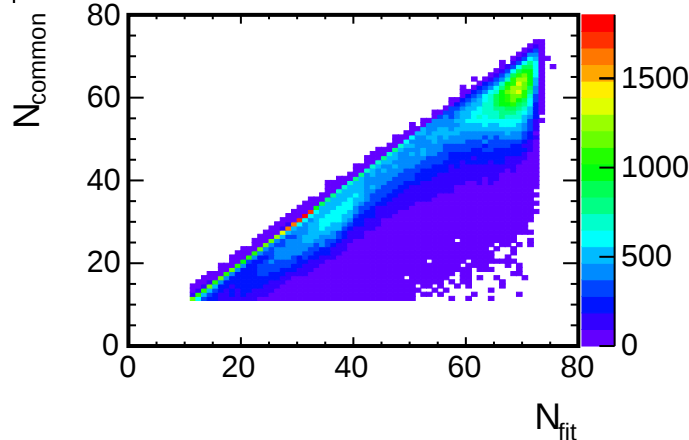
$< p_T < 1.0$ GeV/c



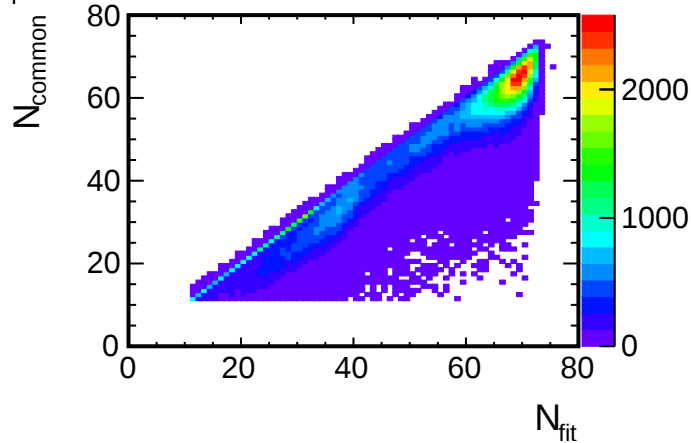
$< p_T < 1.5$ GeV/c



$< p_T < 2.0$ GeV/c

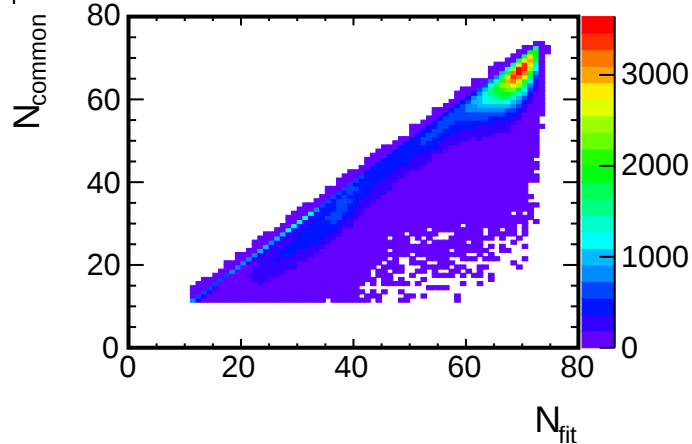


$< p_T < 2.5$ GeV/c

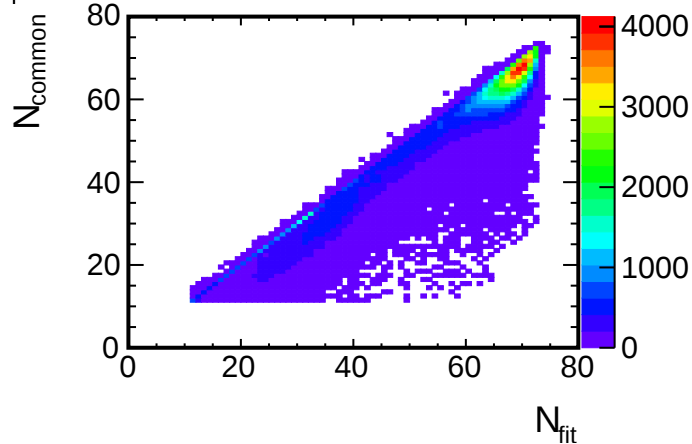


N_{common} vs N_{hit} , p_T dependence (Embedding:alpha, Real:alpha)

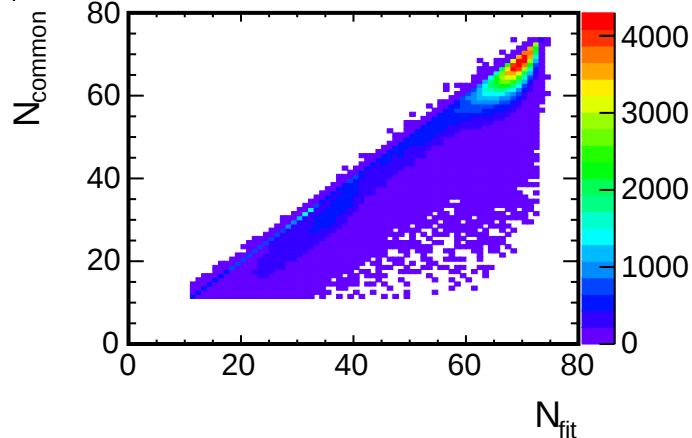
$< p_T < 3.0$ GeV/c



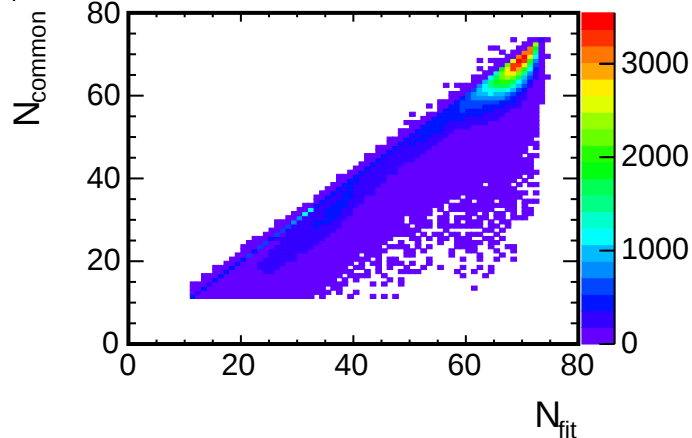
$< p_T < 3.5$ GeV/c



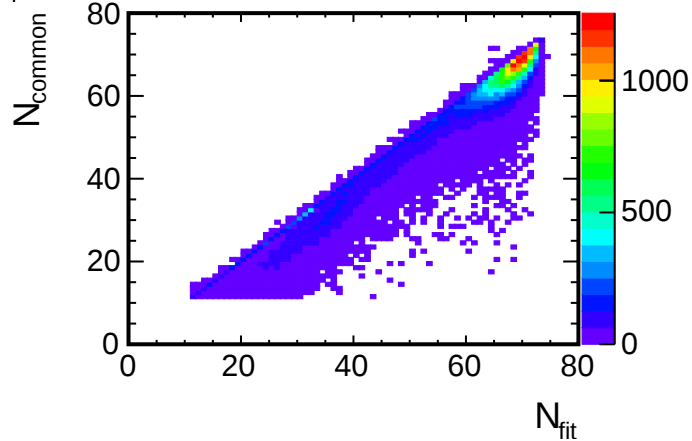
$< p_T < 4.0$ GeV/c

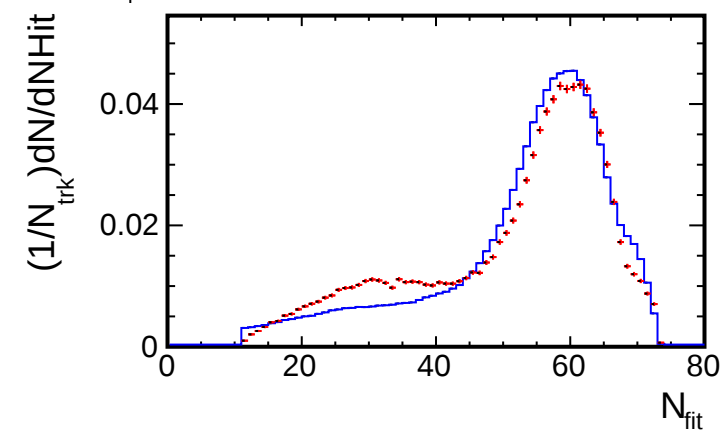
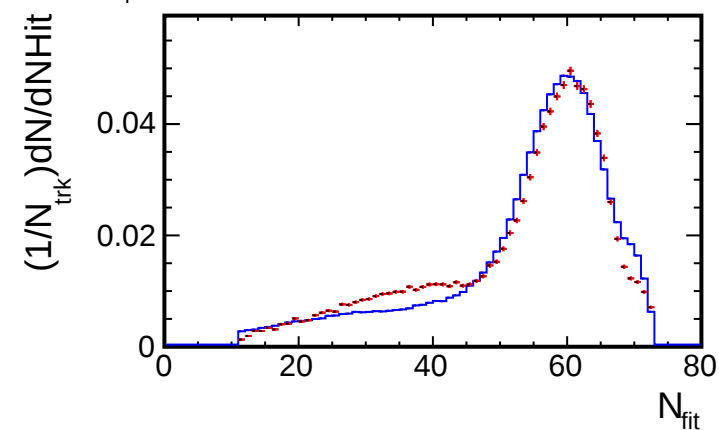
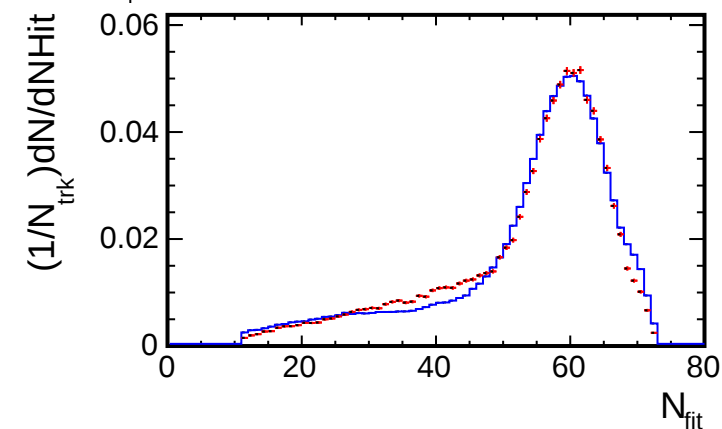
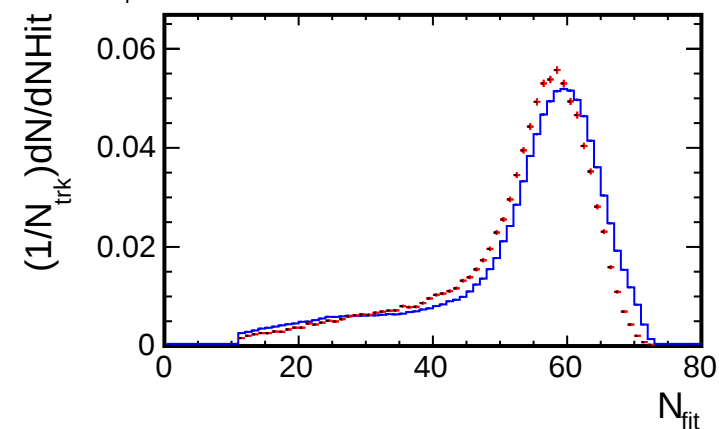
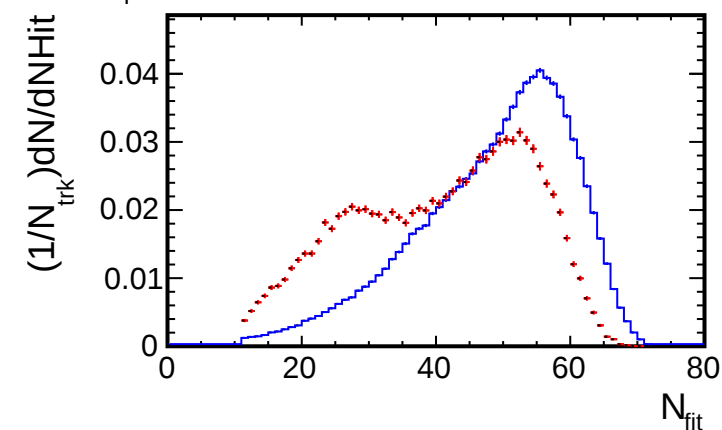


$< p_T < 4.5$ GeV/c



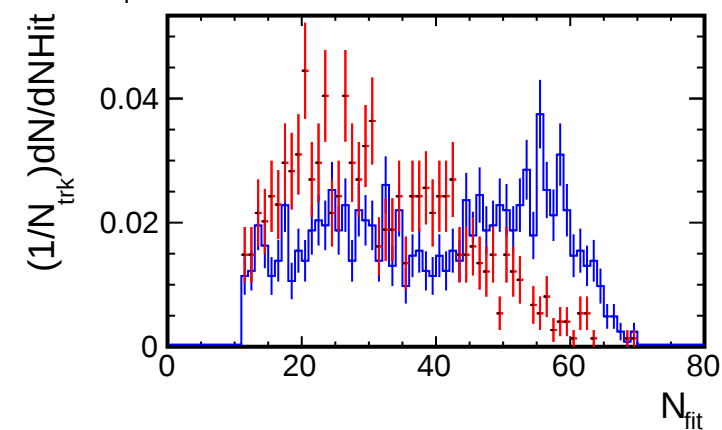
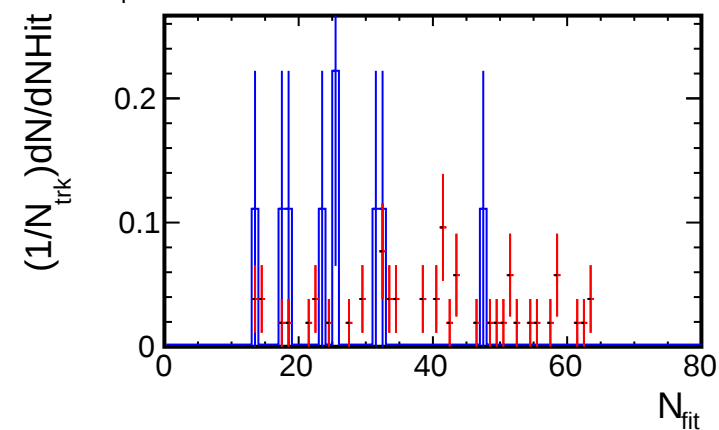
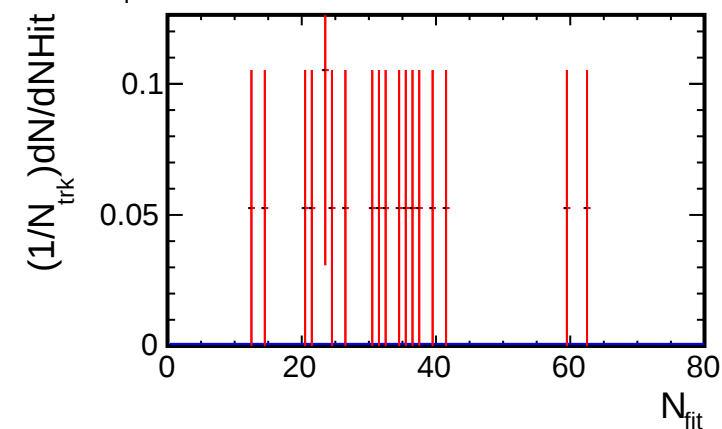
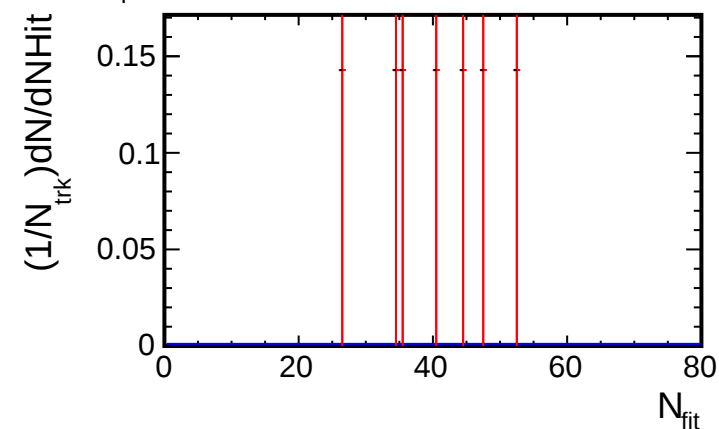
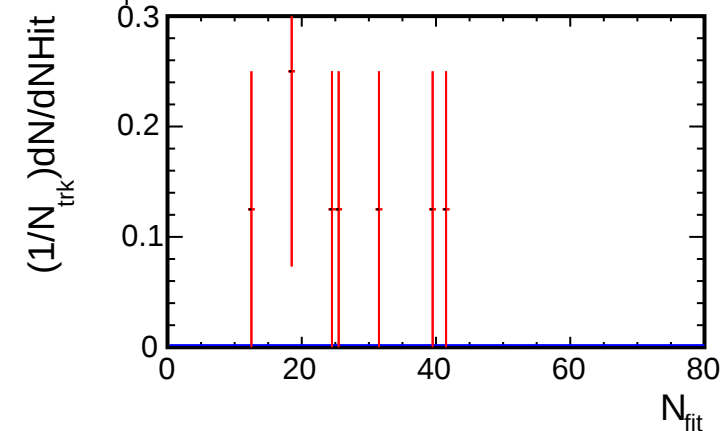
$< p_T < 5.0$ GeV/c



NHit distribution for (p_T , η) slices $1.8, 0.1 < p_T < 0.5$ (GeV/c) $1.6, 0.1 < p_T < 0.5$ (GeV/c) $1.4, 0.1 < p_T < 0.5$ (GeV/c) $1.2, 0.1 < p_T < 0.5$ (GeV/c) $1.0, 0.1 < p_T < 0.5$ (GeV/c)

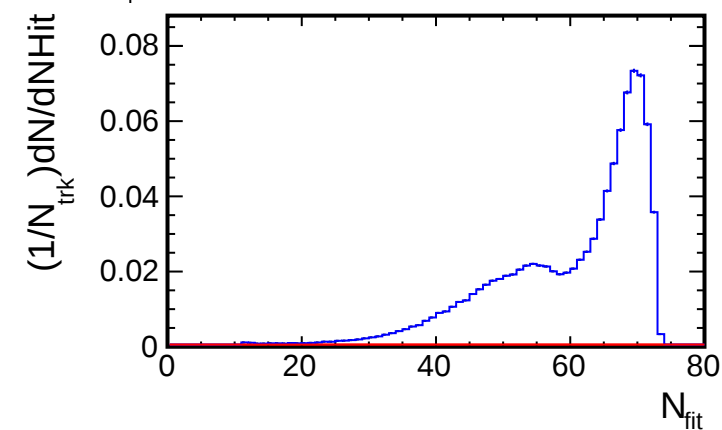
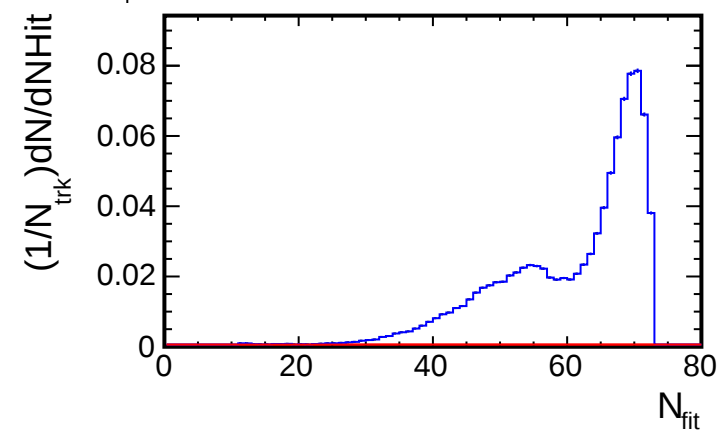
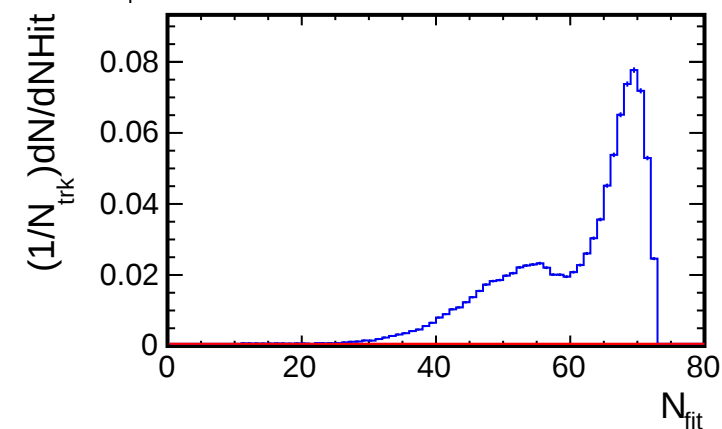
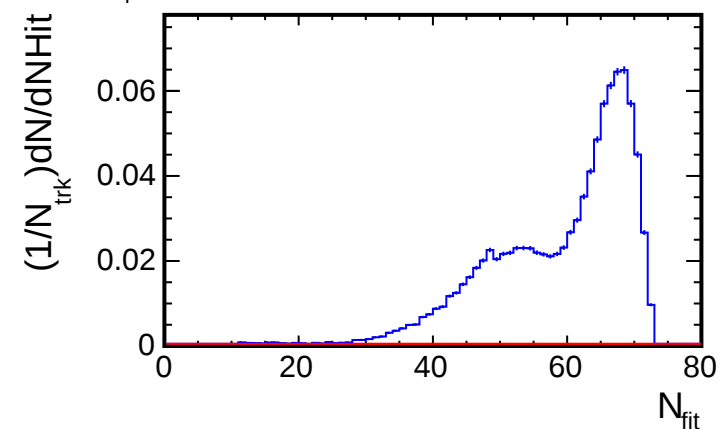
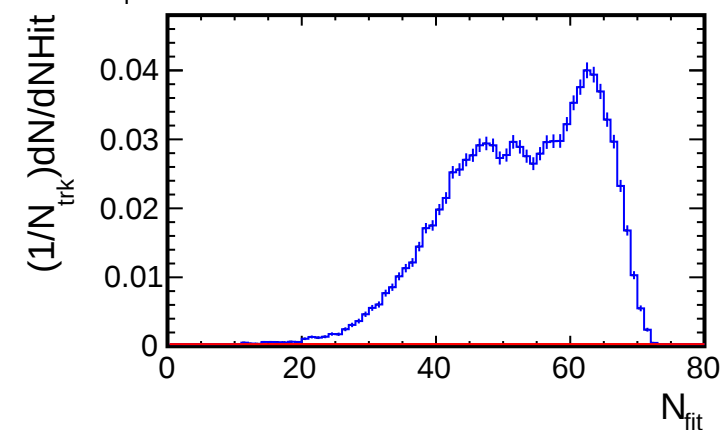
— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

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

NHit distribution for (p_T , η) slices2, $0.1 < p_T < 0.5$ (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 H4Lambda)
(CONTAM, geantid=9)

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

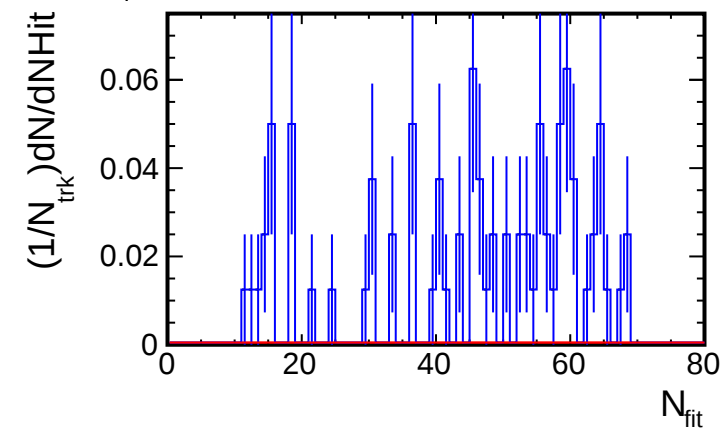
NHit distribution for (p_T , η) slices $1.8, 0.5 < p_T < 1.0$ (GeV/c) $1.6, 0.5 < p_T < 1.0$ (GeV/c) $1.4, 0.5 < p_T < 1.0$ (GeV/c) $1.2, 0.5 < p_T < 1.0$ (GeV/c) $1.0, 0.5 < p_T < 1.0$ (GeV/c)

— Daughter π^- (from H4Lambda)
(CONTAM, geantid=9)

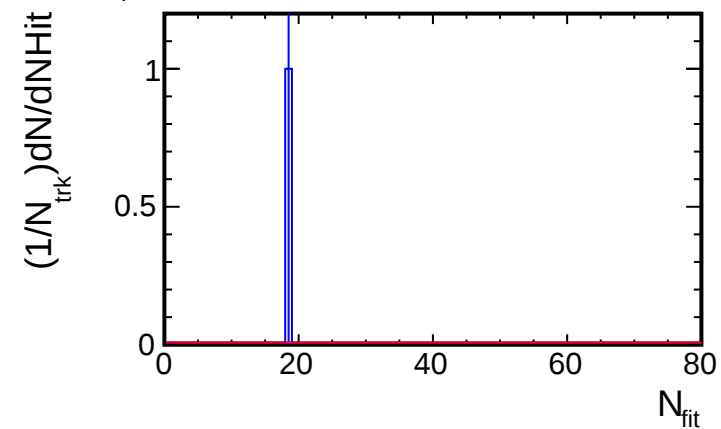
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

NHit distribution for (p_T , η) slices

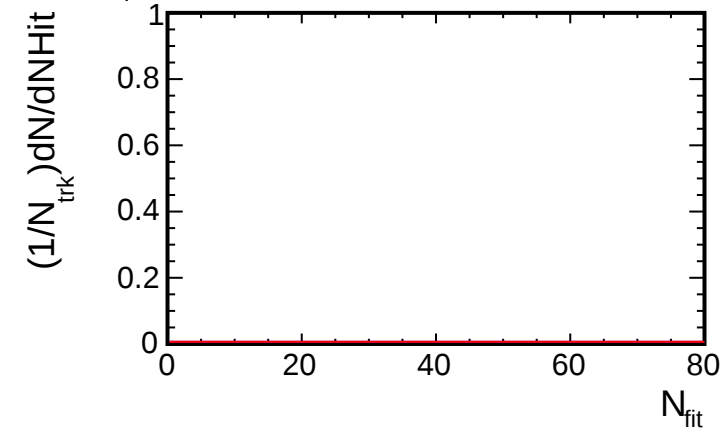
2, $0.5 < p_T < 1.0$ (GeV/c)



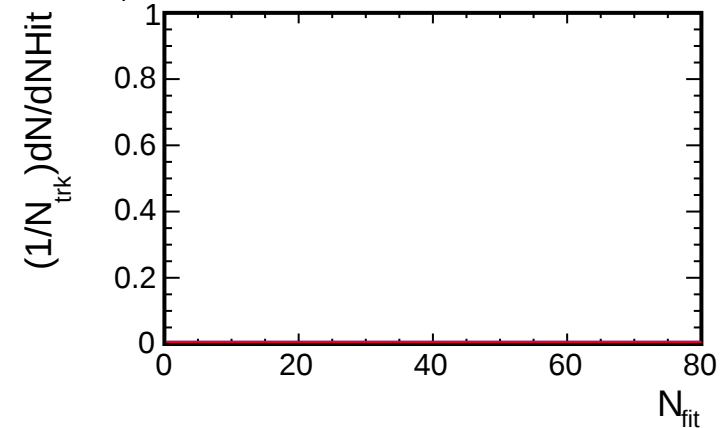
4, $0.5 < p_T < 1.0$ (GeV/c)



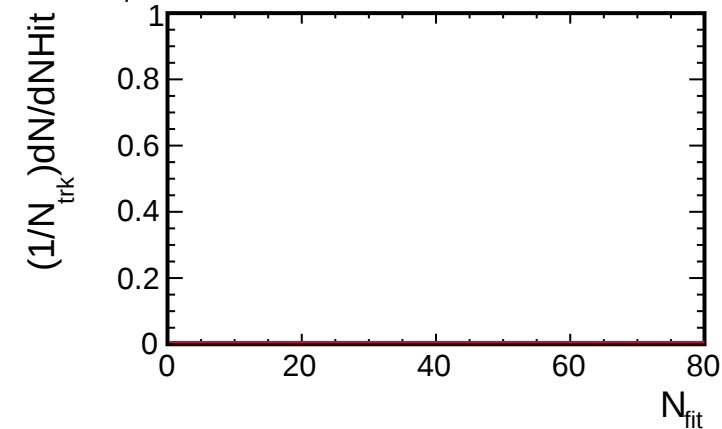
6, $0.5 < p_T < 1.0$ (GeV/c)



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

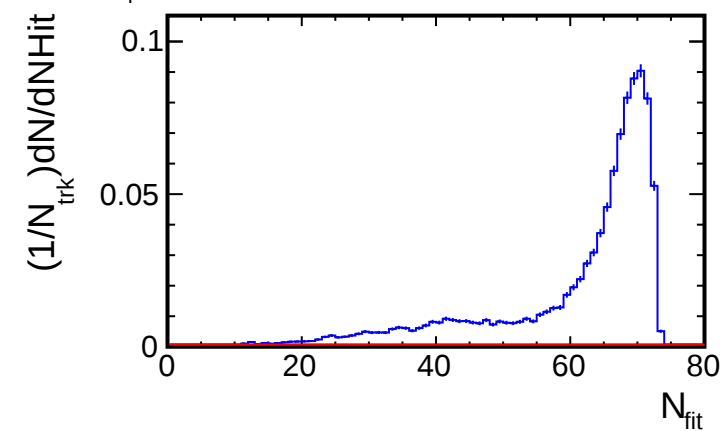
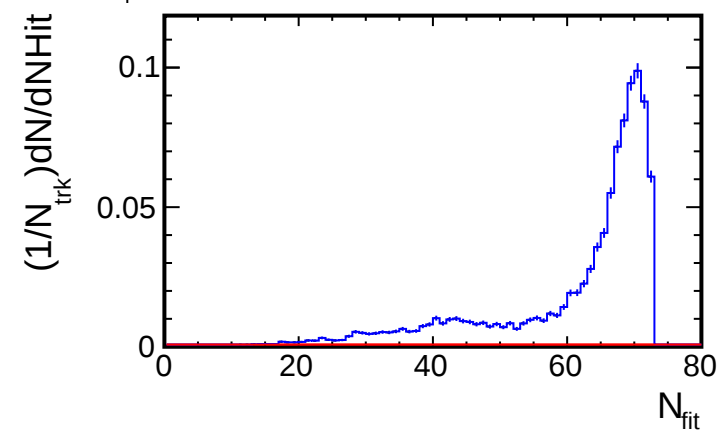
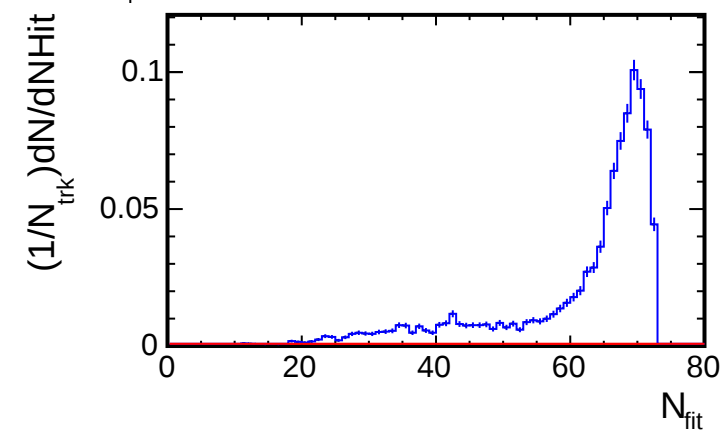
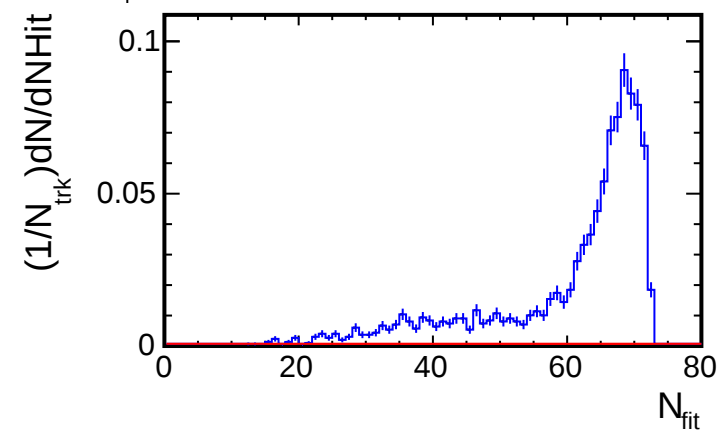
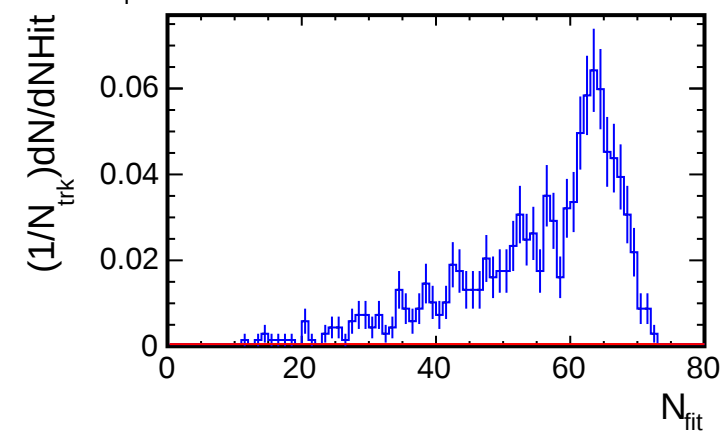


0, $0.5 < p_T < 1.0$ (GeV/c)



— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

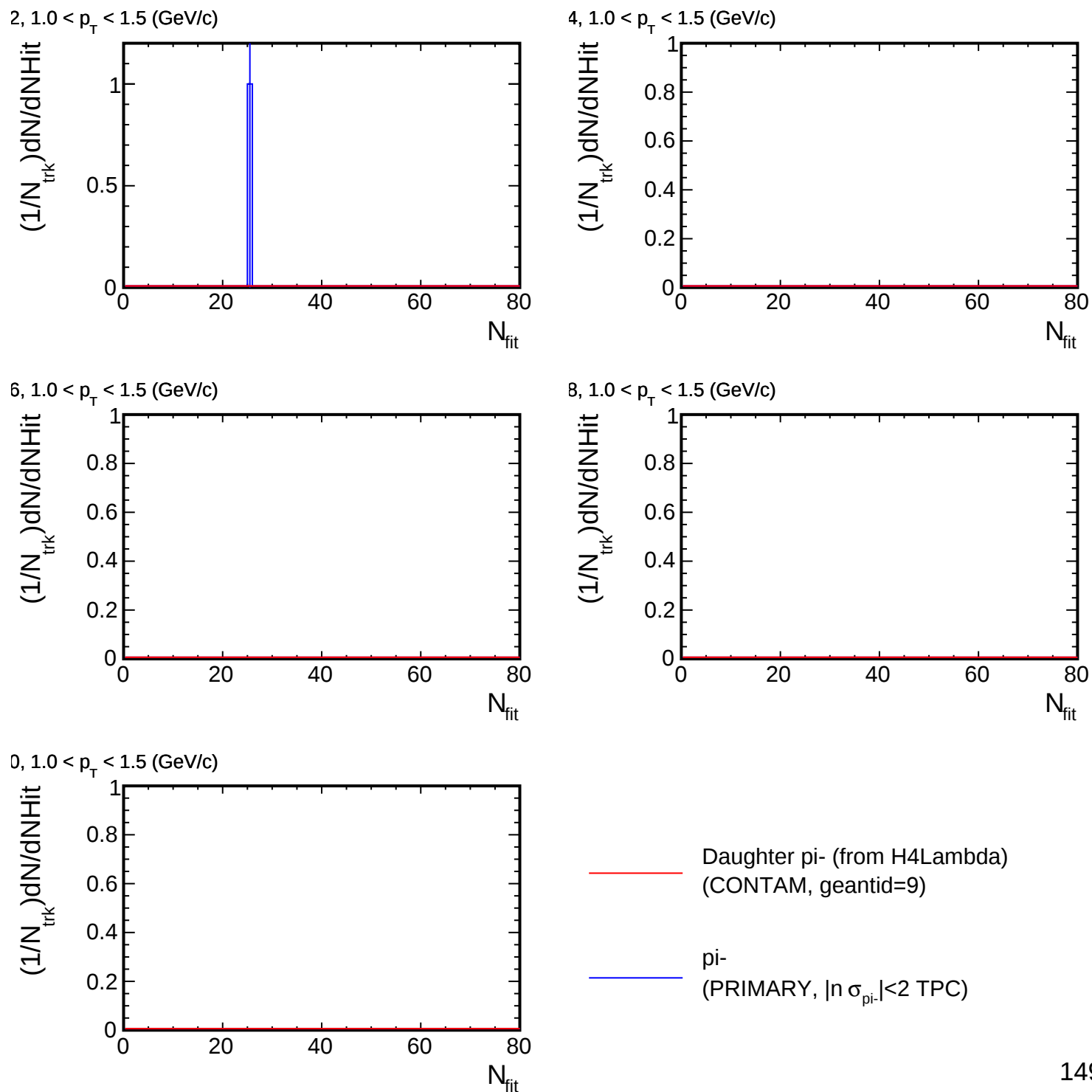
— pi-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

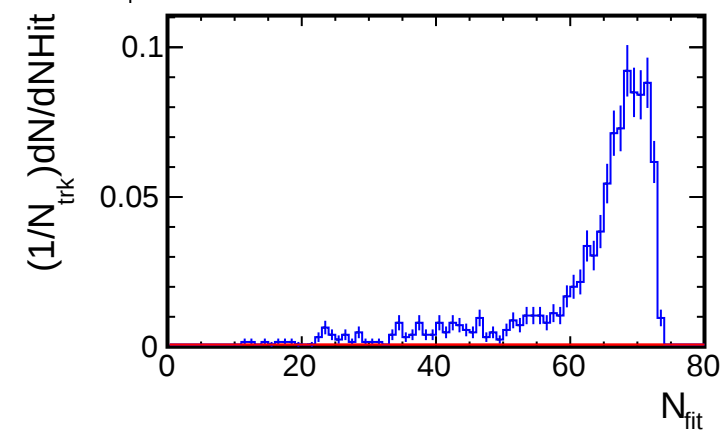
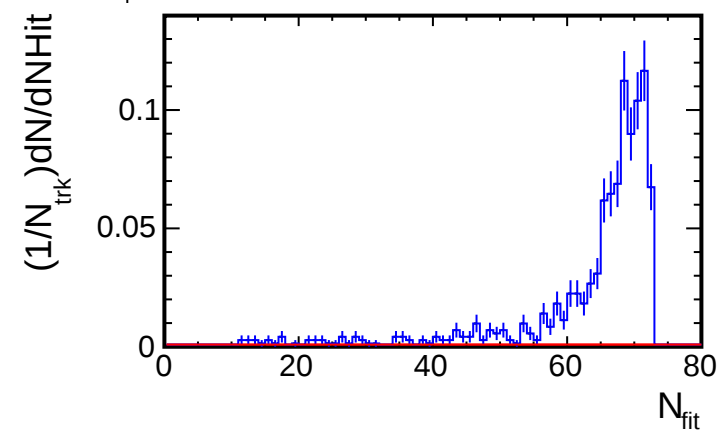
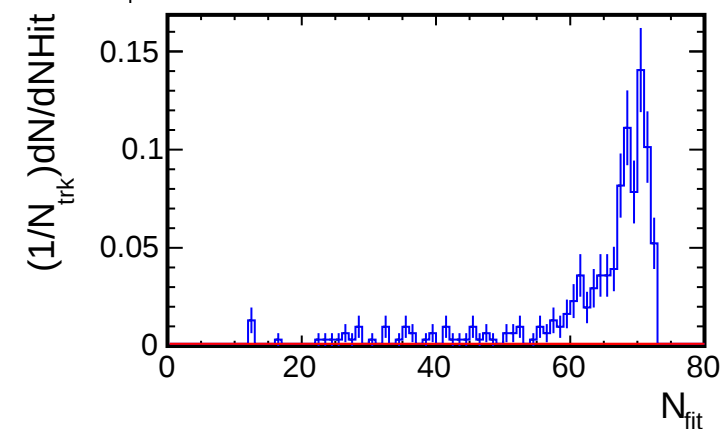
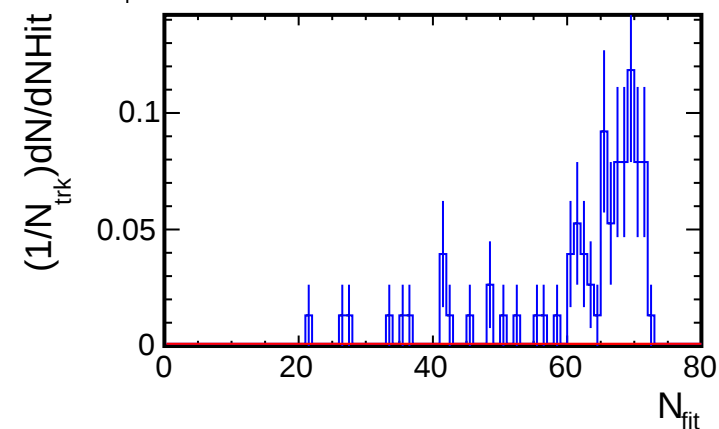
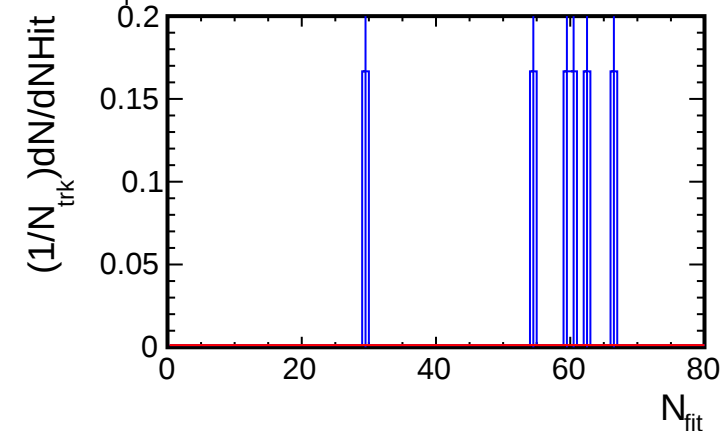
NHit distribution for (p_T , η) slices $1.8, 1.0 < p_T < 1.5$ (GeV/c) $1.6, 1.0 < p_T < 1.5$ (GeV/c) $1.4, 1.0 < p_T < 1.5$ (GeV/c) $1.2, 1.0 < p_T < 1.5$ (GeV/c) $1.0, 1.0 < p_T < 1.5$ (GeV/c)

— Daughter π^- (from H4Lambda)
(CONTAM, geantid=9)

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

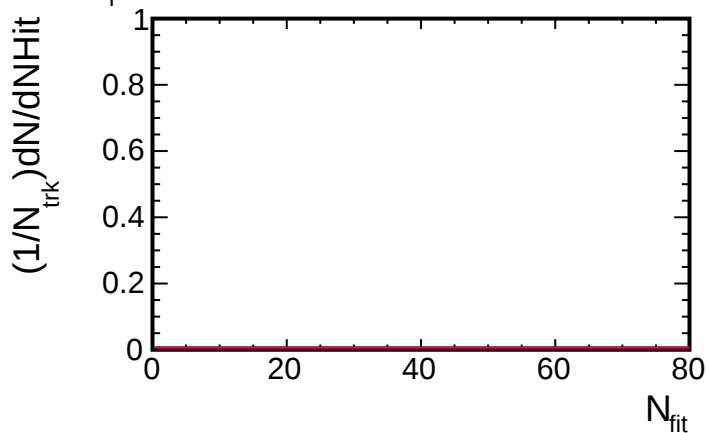
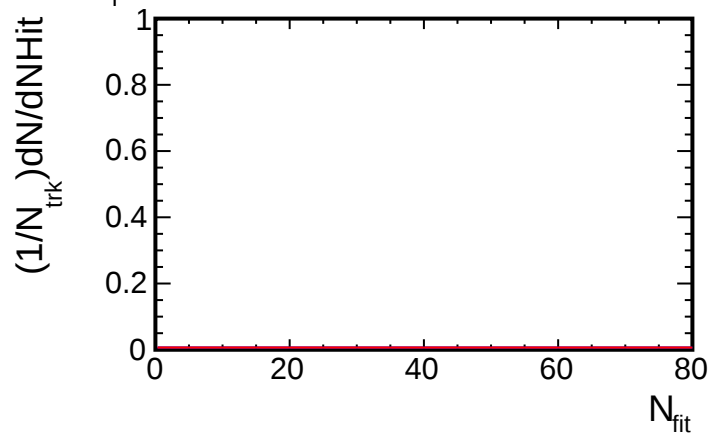
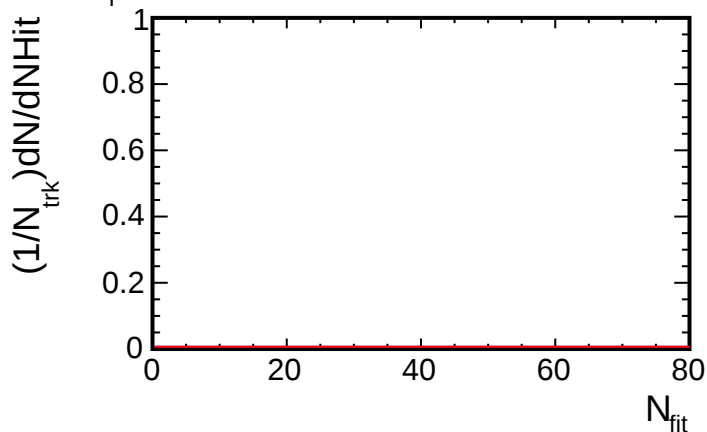
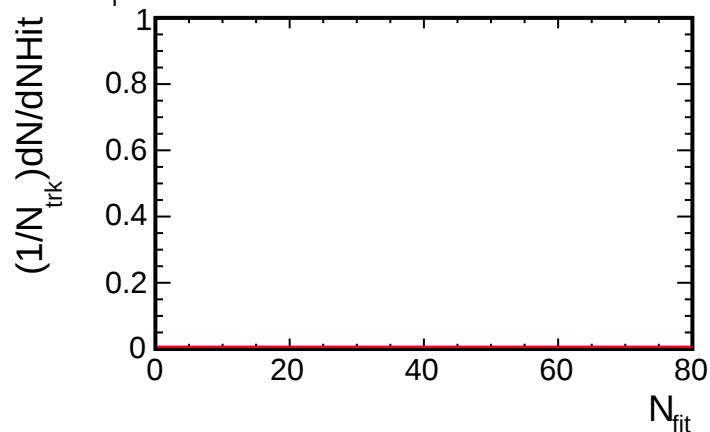
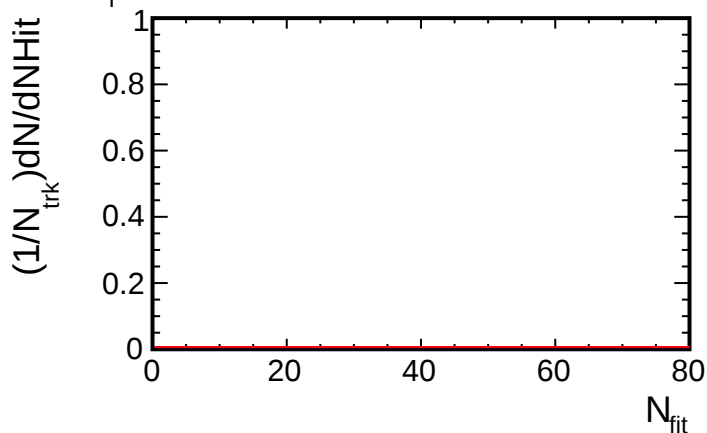
NHit distribution for (p_T , η) slices



NHit distribution for (p_T , η) slices $1.8, 1.5 < p_T < 2.0$ (GeV/c) $1.6, 1.5 < p_T < 2.0$ (GeV/c) $1.4, 1.5 < p_T < 2.0$ (GeV/c) $1.2, 1.5 < p_T < 2.0$ (GeV/c) $1.0, 1.5 < p_T < 2.0$ (GeV/c)

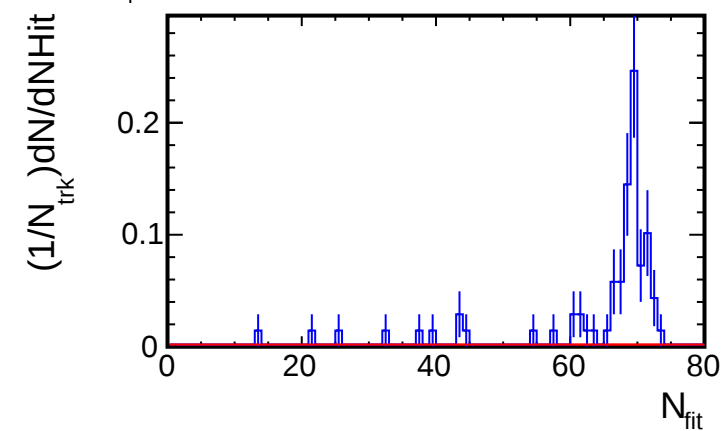
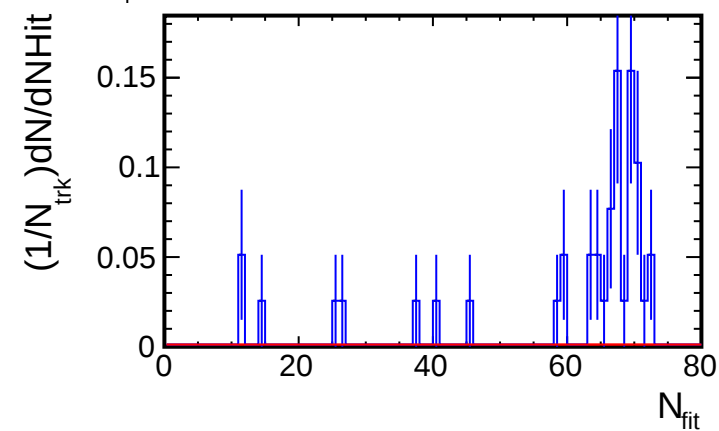
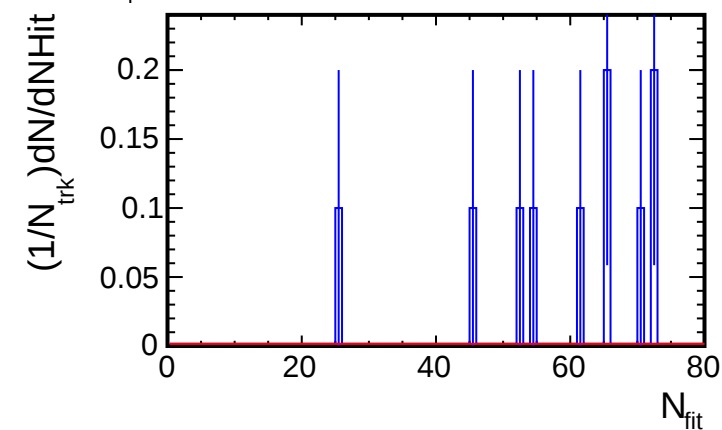
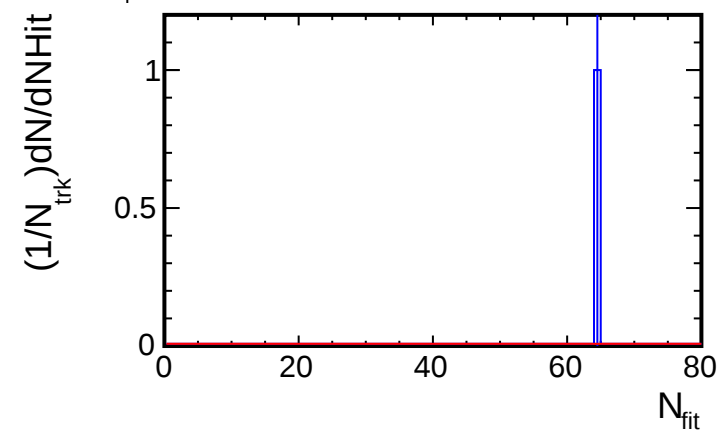
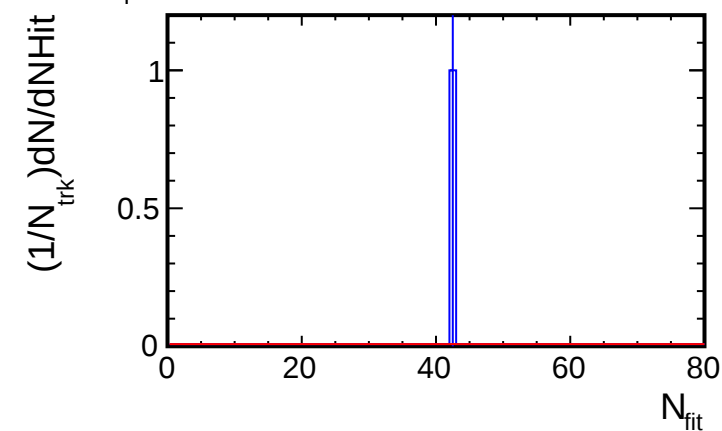
— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

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

NHit distribution for (p_T , η) slices2, $1.5 < p_T < 2.0$ (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 H4Lambda)
(CONTAM, geantid=9)

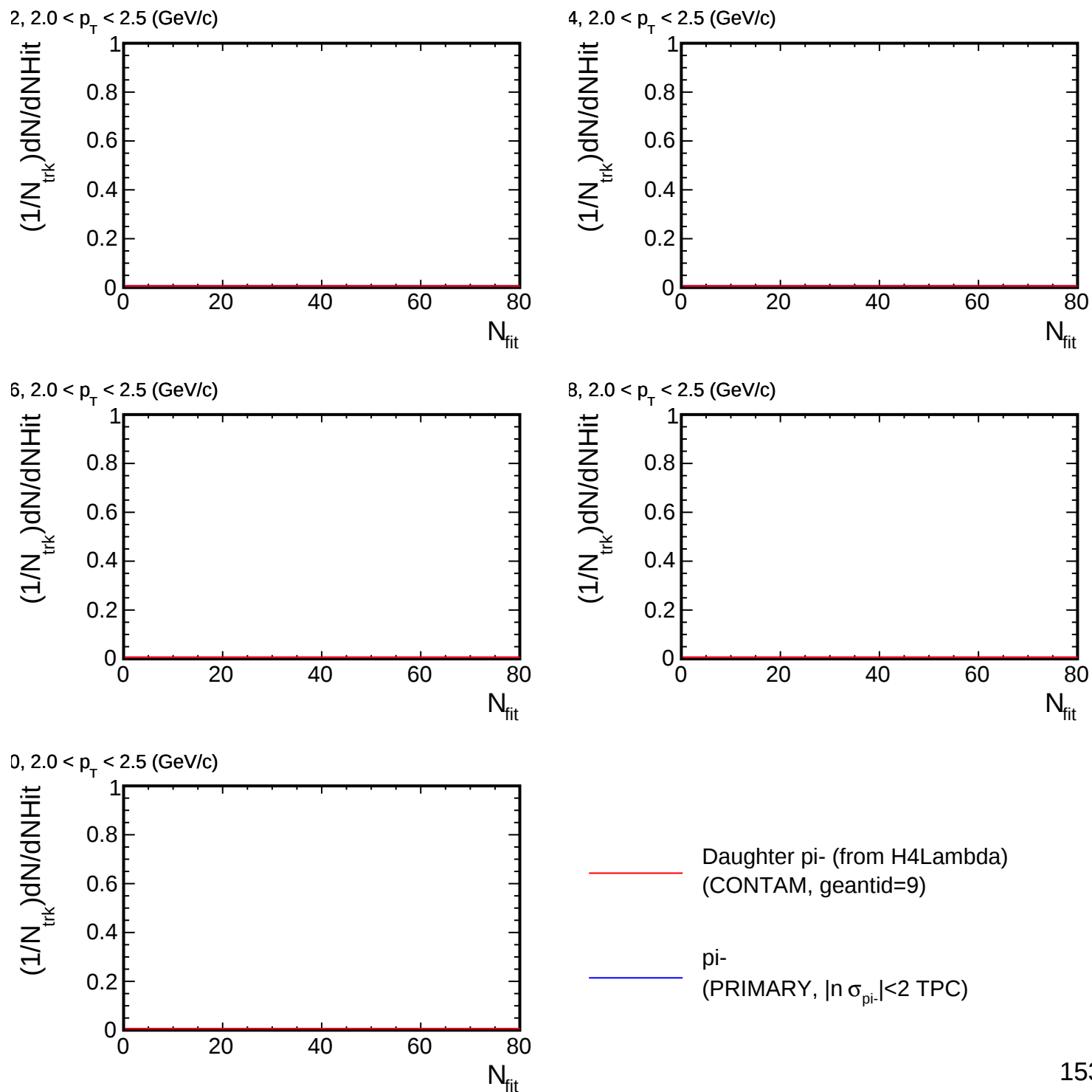
— pi-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

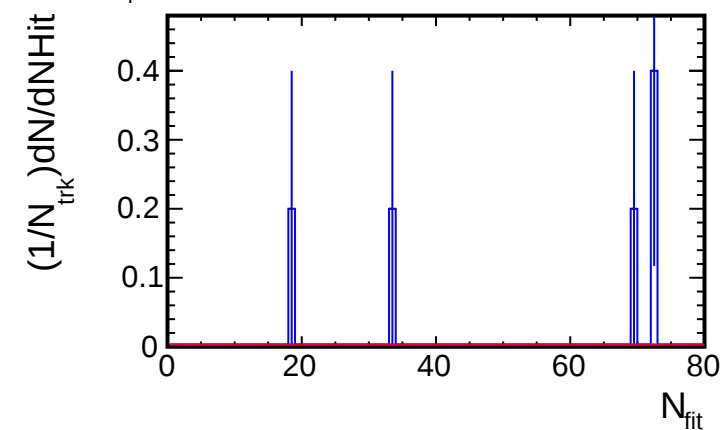
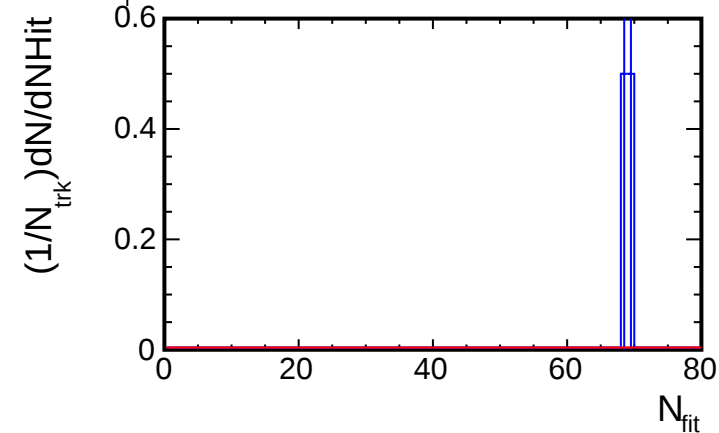
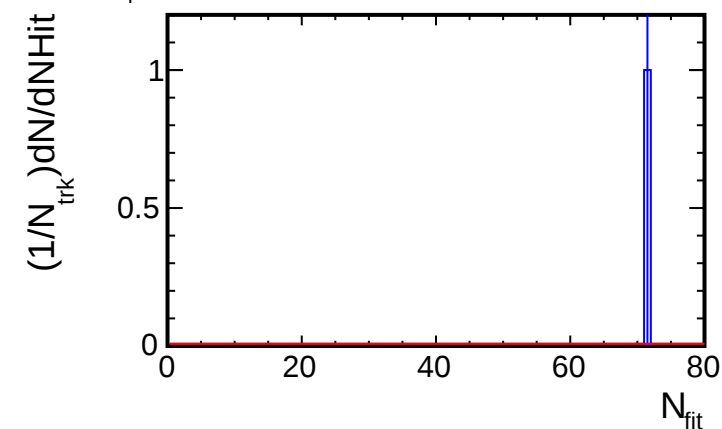
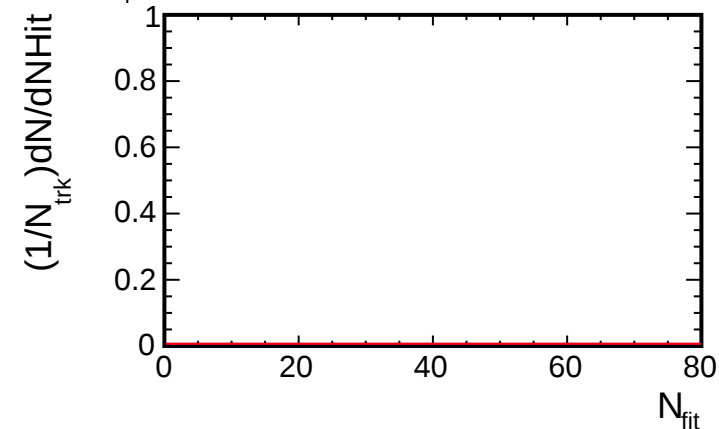
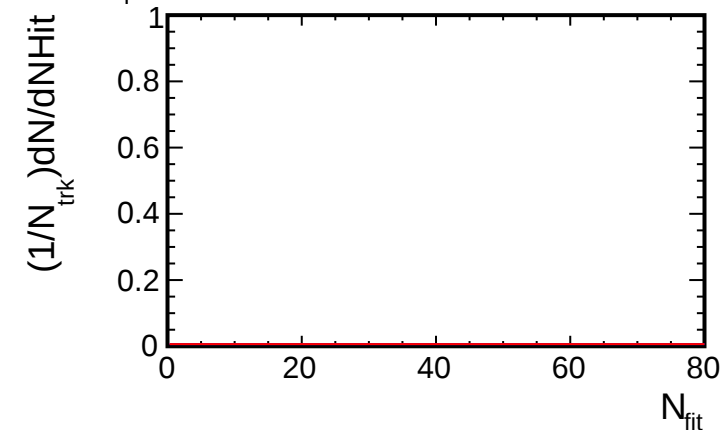
NHit distribution for (p_T , η) slices1.8, $2.0 < p_T < 2.5$ (GeV/c)1.6, $2.0 < p_T < 2.5$ (GeV/c)1.4, $2.0 < p_T < 2.5$ (GeV/c)1.2, $2.0 < p_T < 2.5$ (GeV/c)1.0, $2.0 < p_T < 2.5$ (GeV/c)

— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

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

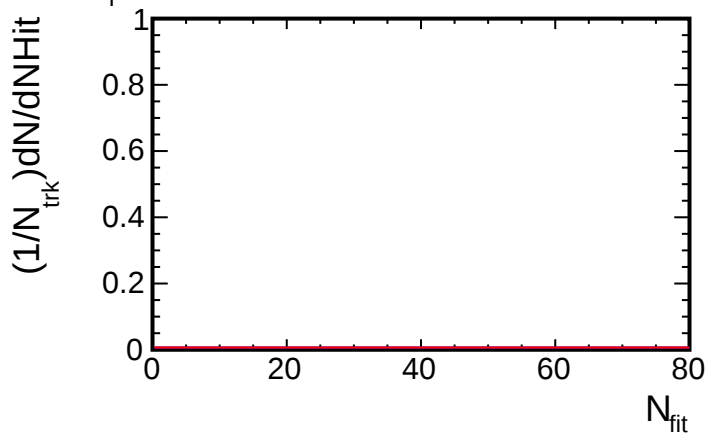
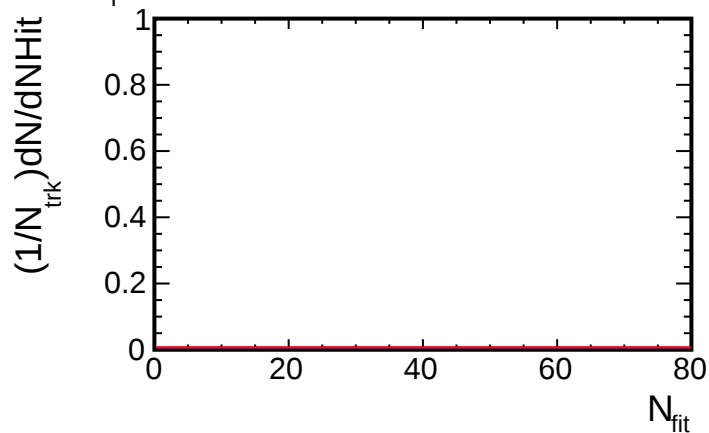
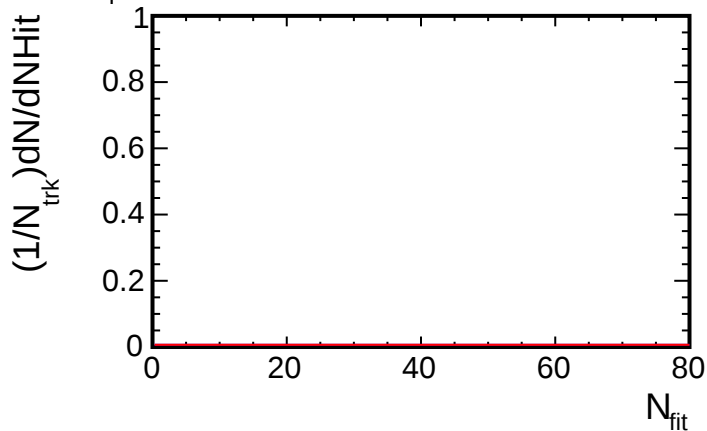
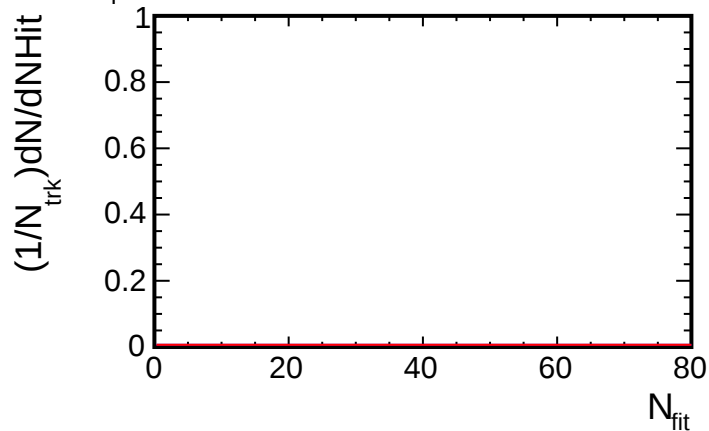
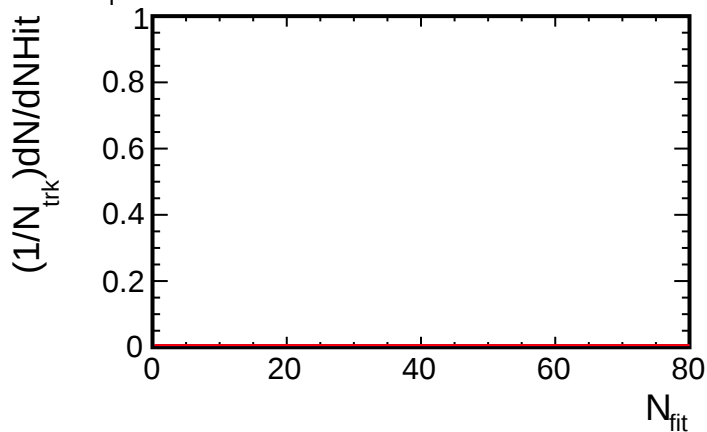
NHit distribution for (p_T , η) slices



NHit distribution for (p_T , η) slices1.8, $2.5 < p_T < 3.0$ (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 H4Lambda)
(CONTAM, geantid=9)

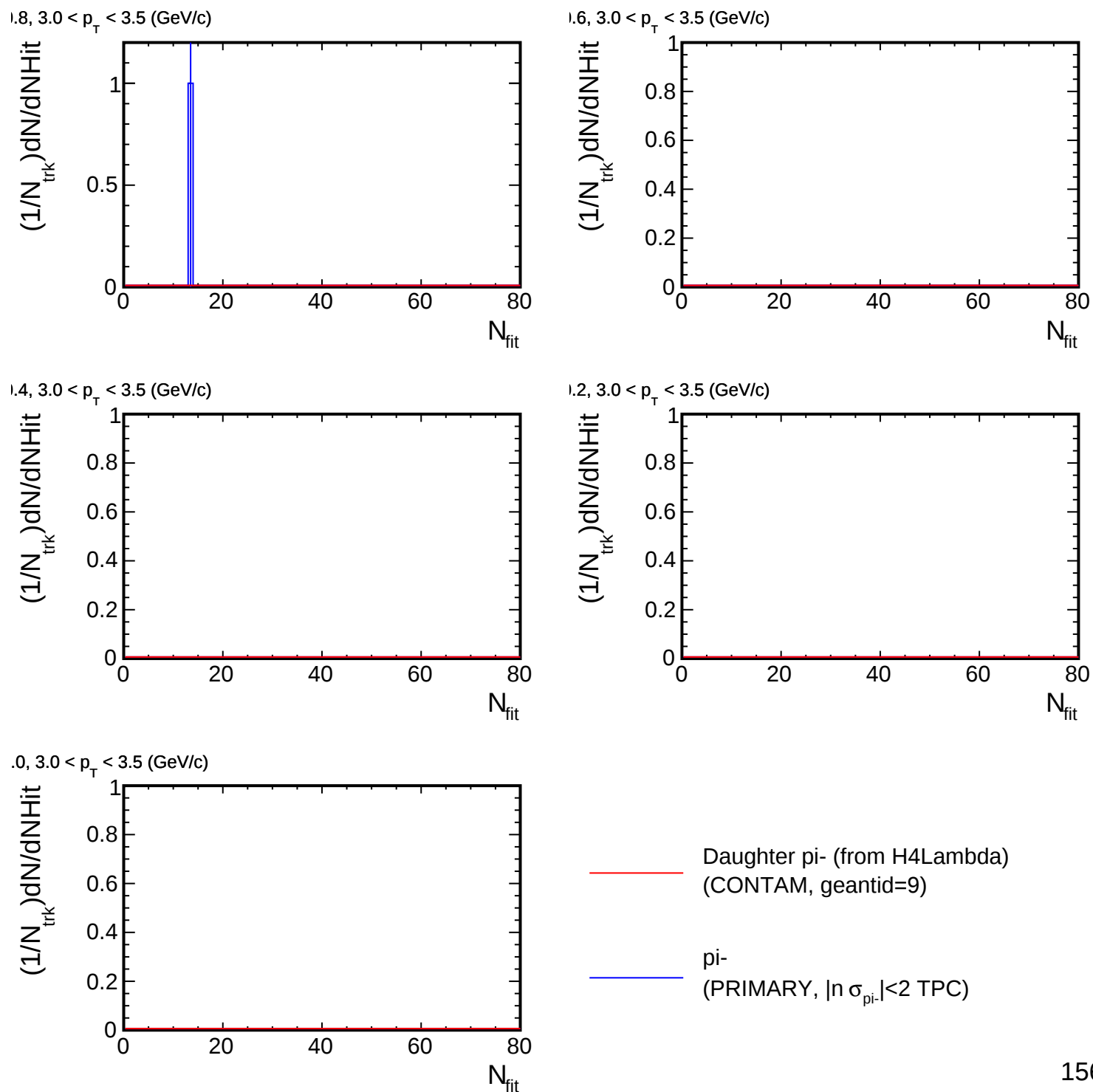
— pi-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

NHit distribution for (p_T , η) slices2, $2.5 < p_T < 3.0$ (GeV/c)4, $2.5 < p_T < 3.0$ (GeV/c)6, $2.5 < p_T < 3.0$ (GeV/c)8, $2.5 < p_T < 3.0$ (GeV/c)0, $2.5 < p_T < 3.0$ (GeV/c)

— Daughter π^- (from H4Lambda)
(CONTAM, geantid=9)

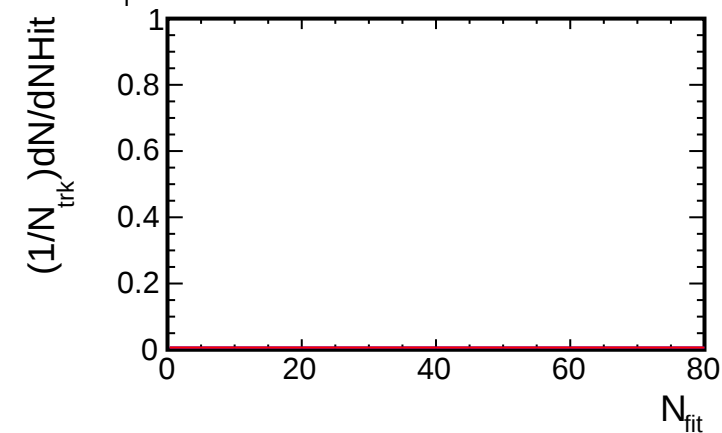
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

NHit distribution for (p_T , η) slices

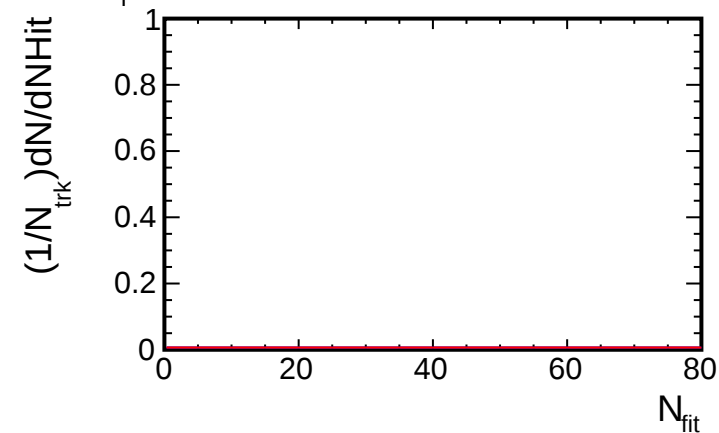


NHit distribution for (p_T , η) slices

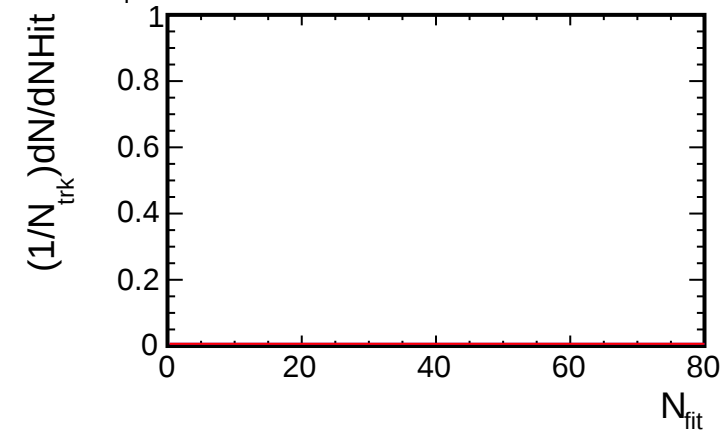
2, $3.0 < p_T < 3.5$ (GeV/c)



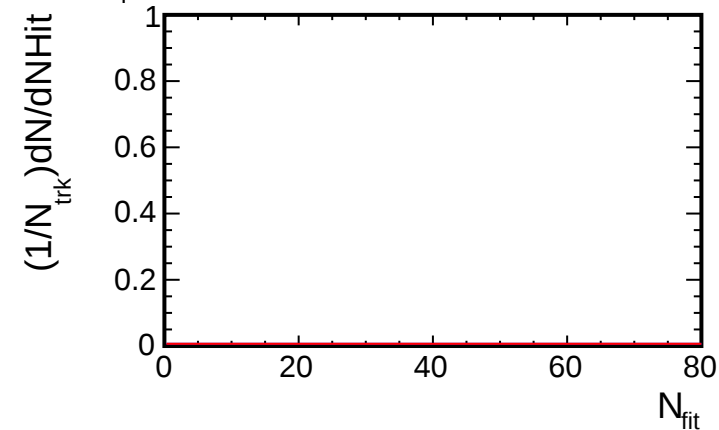
4, $3.0 < p_T < 3.5$ (GeV/c)



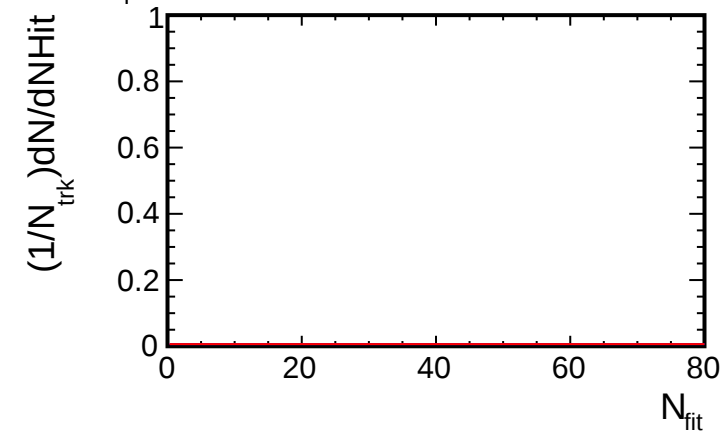
6, $3.0 < p_T < 3.5$ (GeV/c)



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

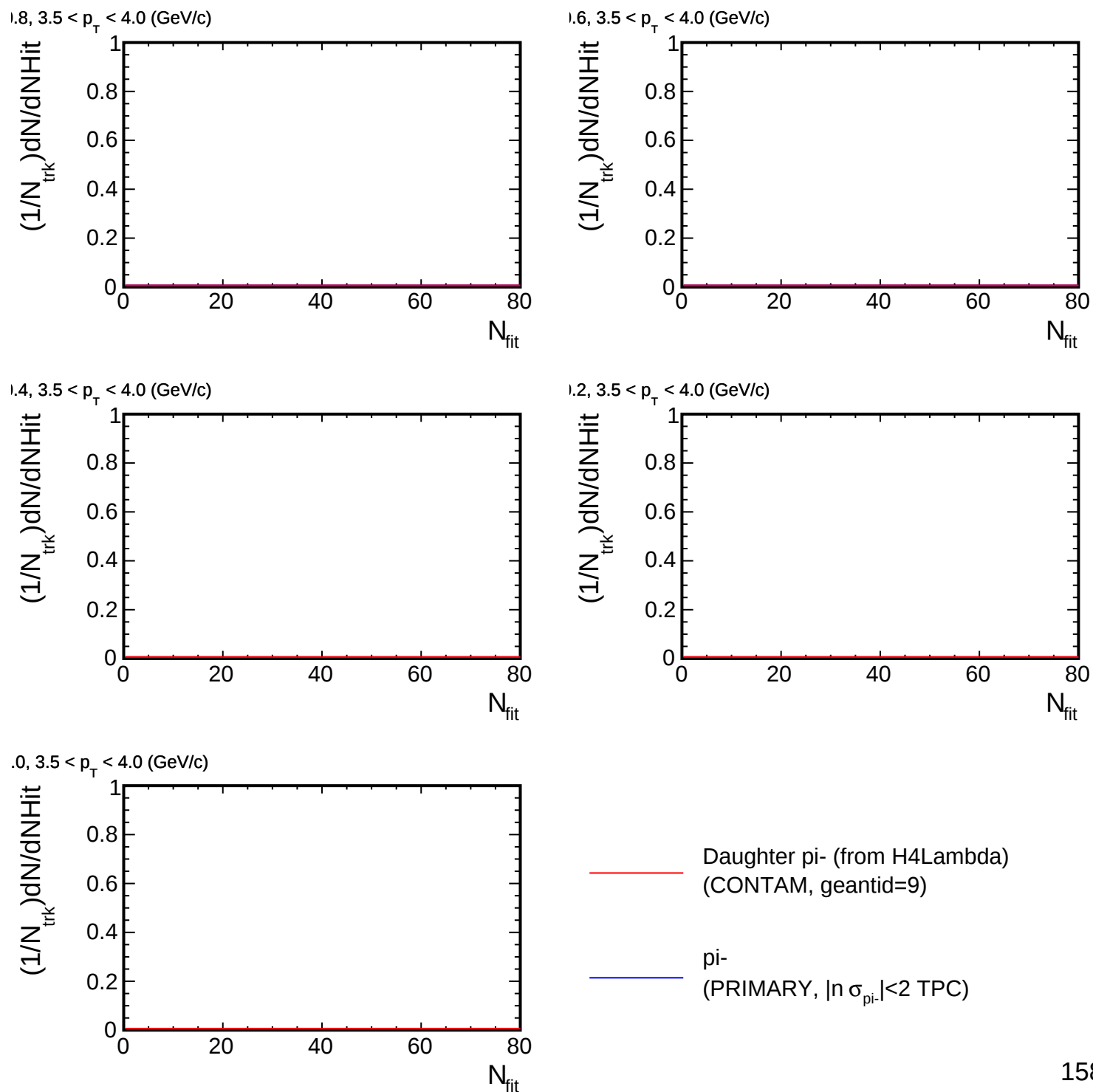


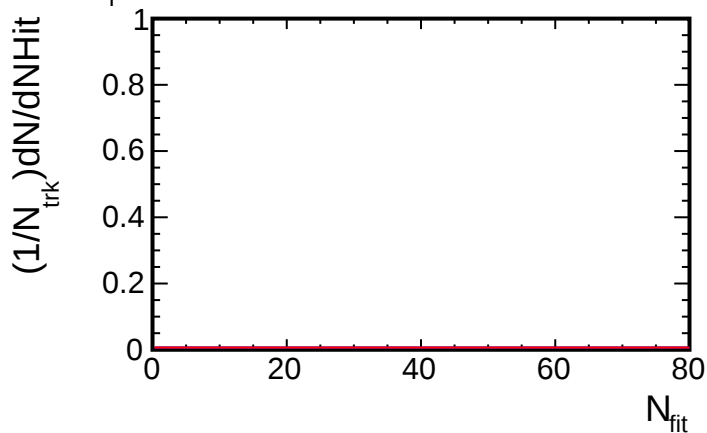
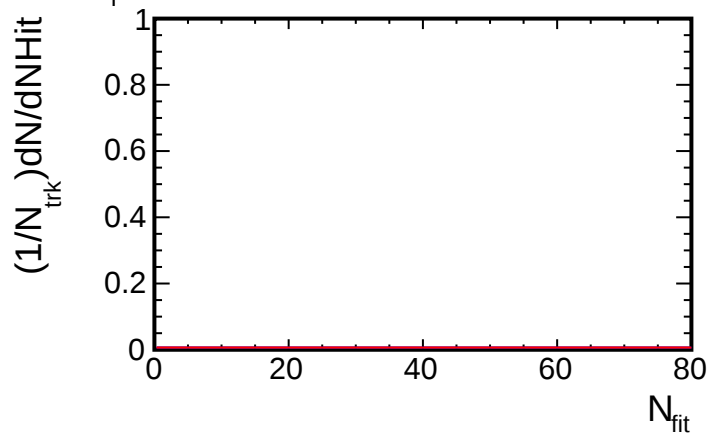
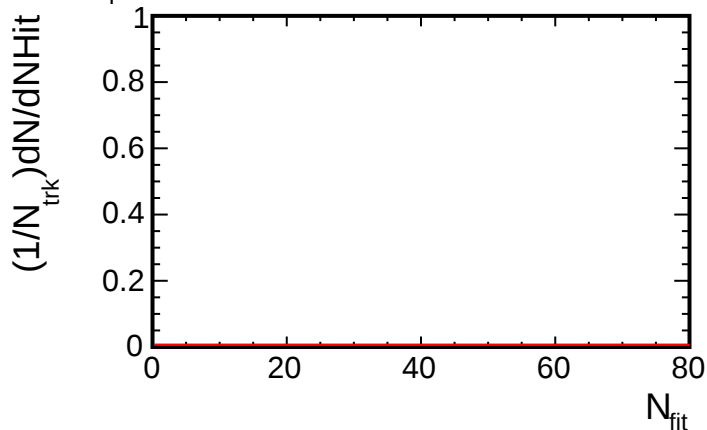
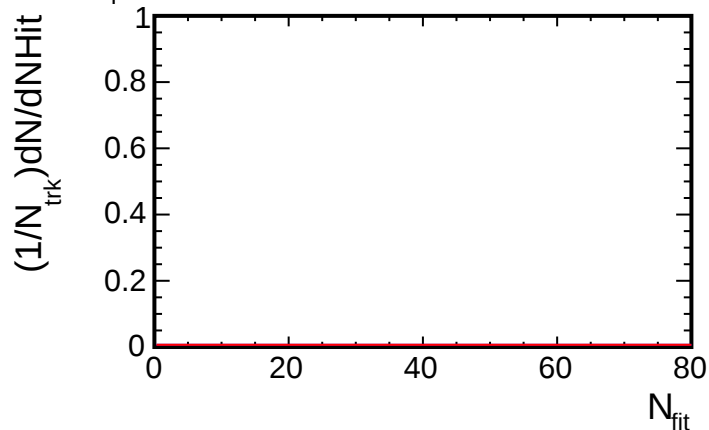
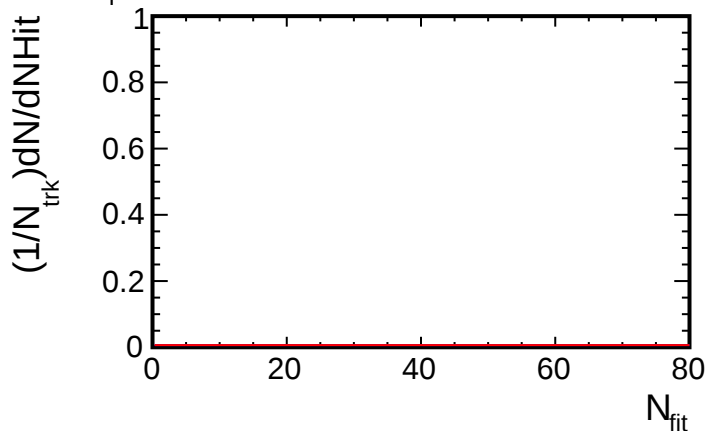
0, $3.0 < p_T < 3.5$ (GeV/c)



— Daughter π^- (from H4Lambda)
(CONTAM, geantid=9)

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

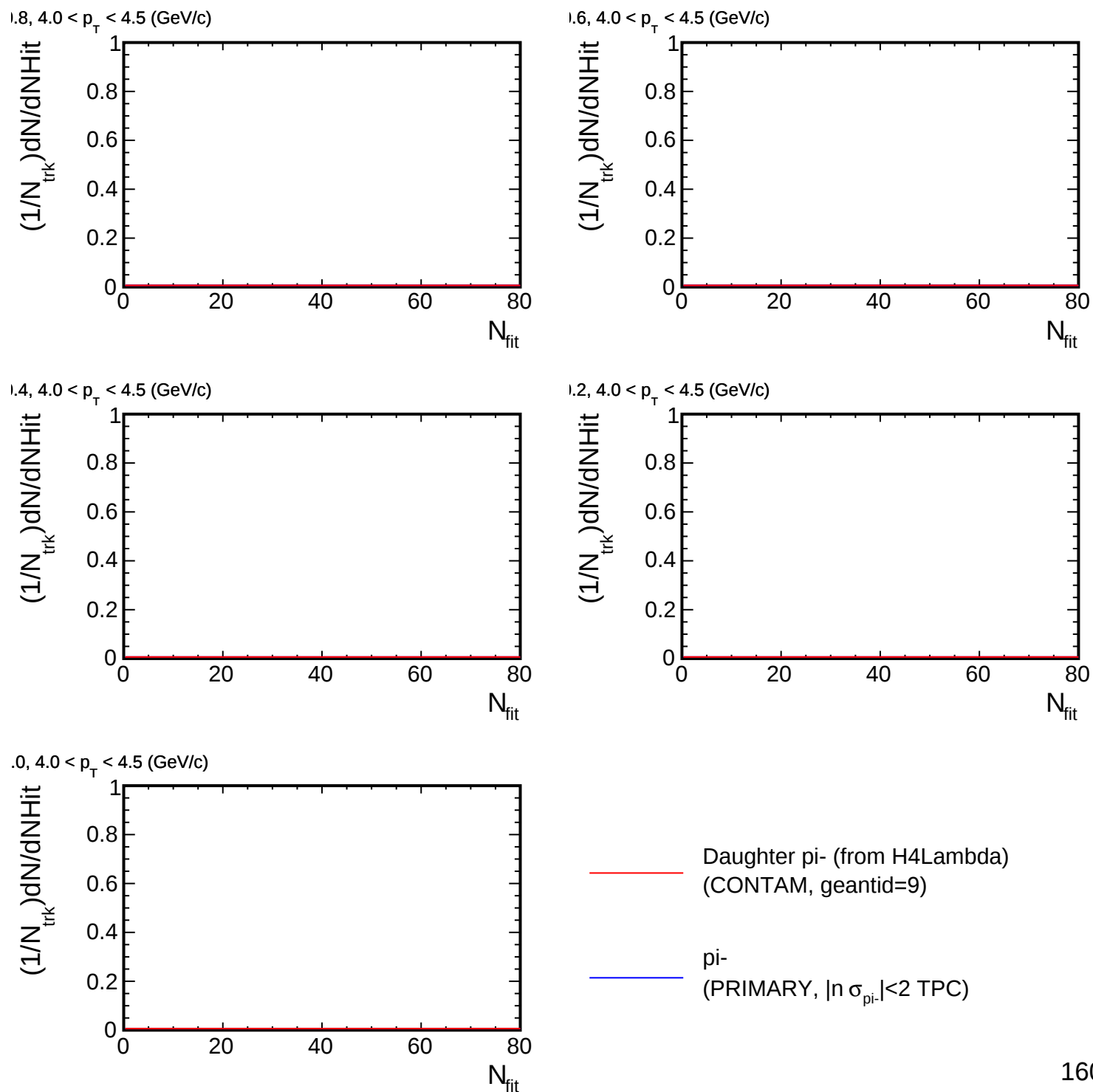
NHit distribution for (p_T , η) slices

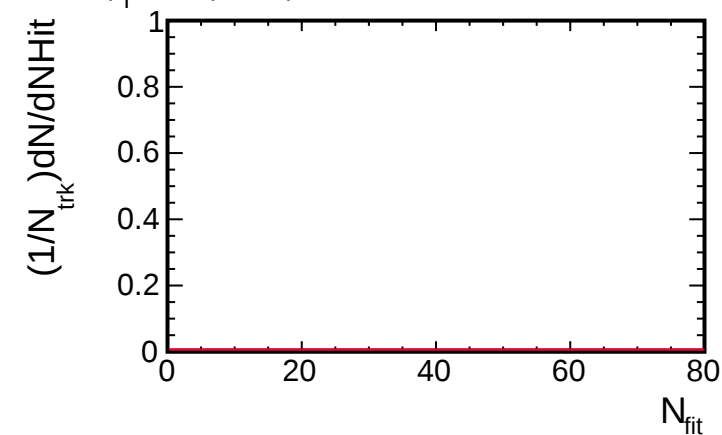
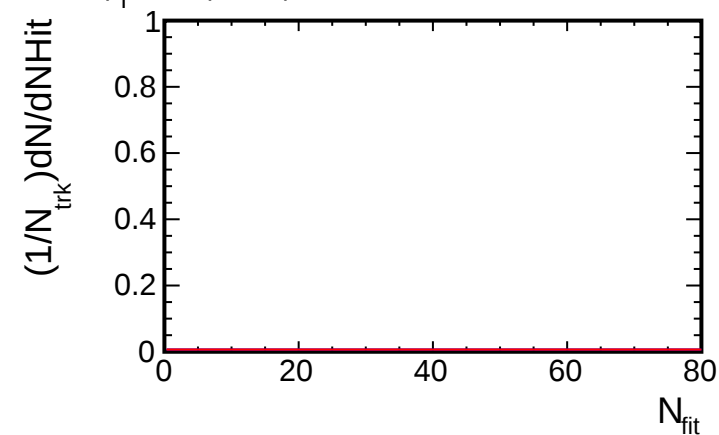
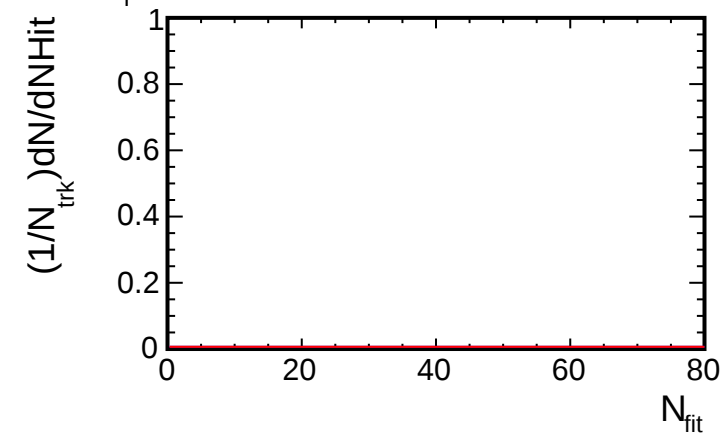
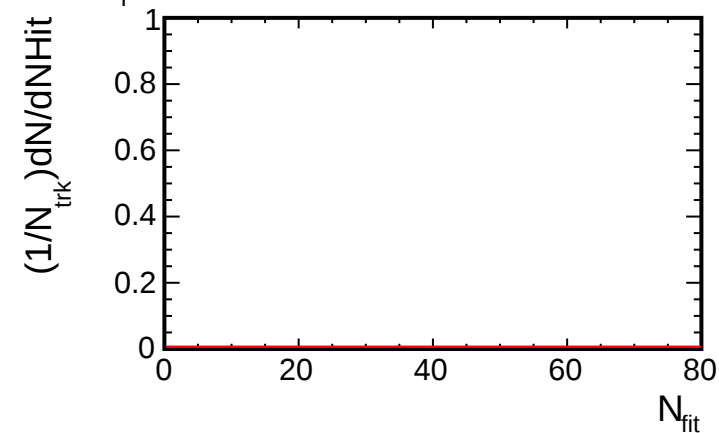
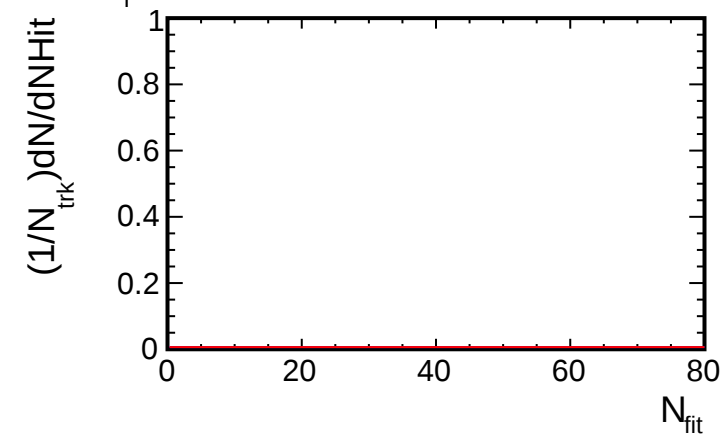
NHit distribution for (p_T , η) slices2, $3.5 < p_T < 4.0$ (GeV/c)4, $3.5 < p_T < 4.0$ (GeV/c)6, $3.5 < p_T < 4.0$ (GeV/c)8, $3.5 < p_T < 4.0$ (GeV/c)0, $3.5 < p_T < 4.0$ (GeV/c)

— Daughter pi- (from H4Lambda)
(CONTAM, geantid=9)

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

NHit distribution for (p_T , η) slices

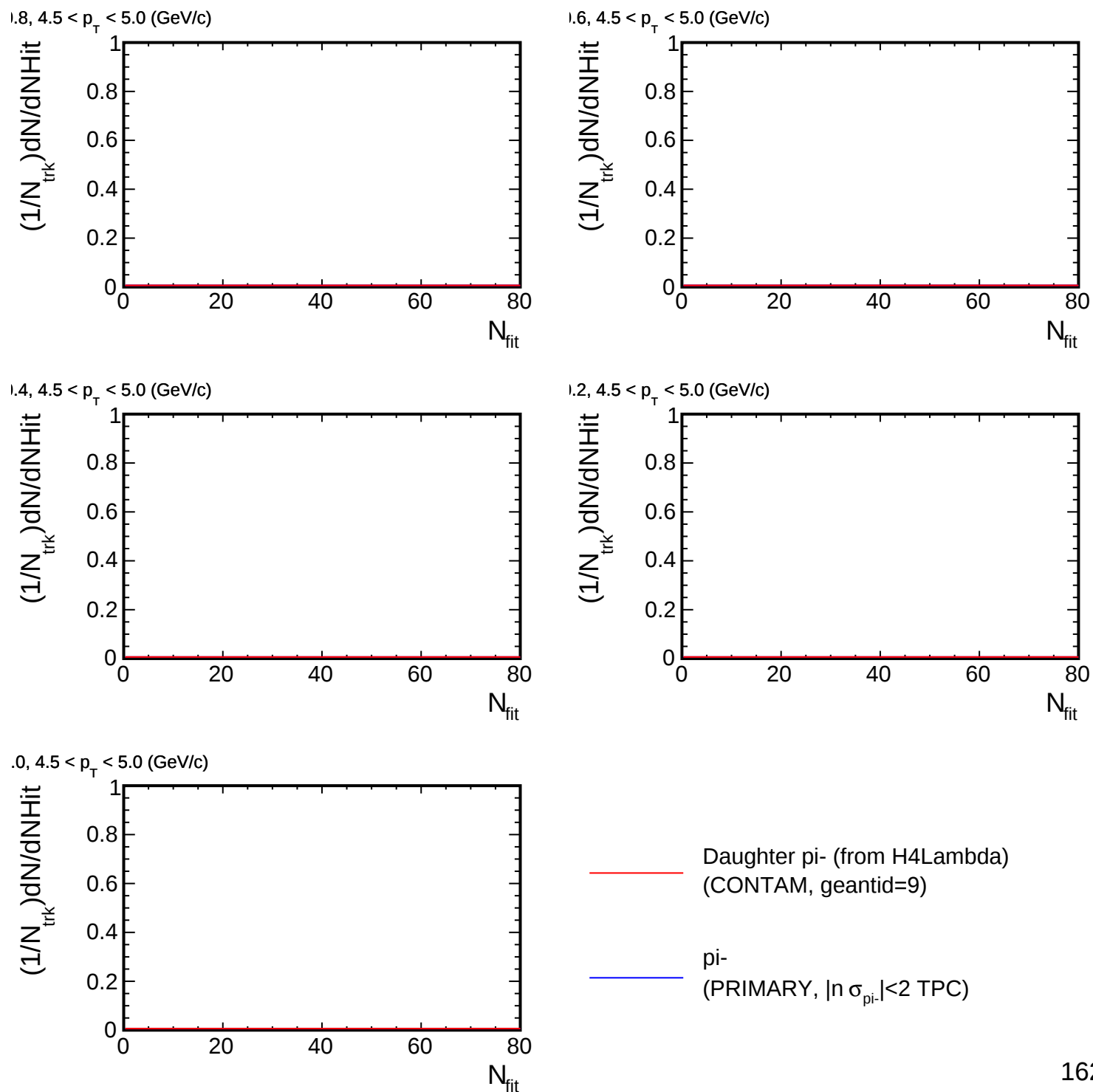


NHit distribution for (p_T , η) slices2, $4.0 < p_T < 4.5$ (GeV/c)4, $4.0 < p_T < 4.5$ (GeV/c)6, $4.0 < p_T < 4.5$ (GeV/c)8, $4.0 < p_T < 4.5$ (GeV/c)0, $4.0 < p_T < 4.5$ (GeV/c)

— Daughter π^- (from H4Lambda)
(CONTAM, geantid=9)

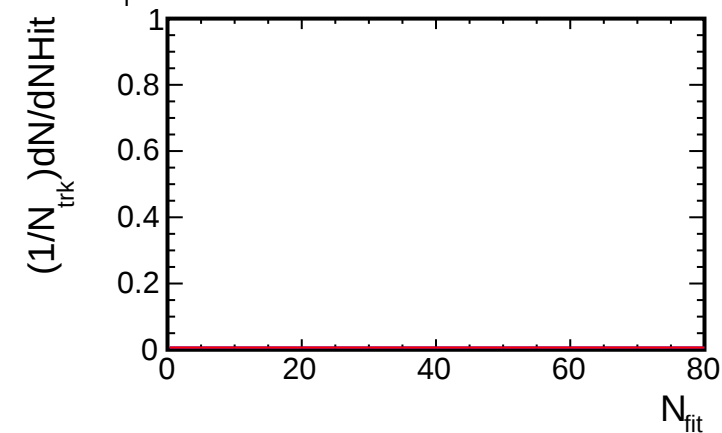
— π^-
(PRIMARY, $|\ln \sigma_{\pi^-}| < 2$ TPC)

NHit distribution for (p_T , η) slices

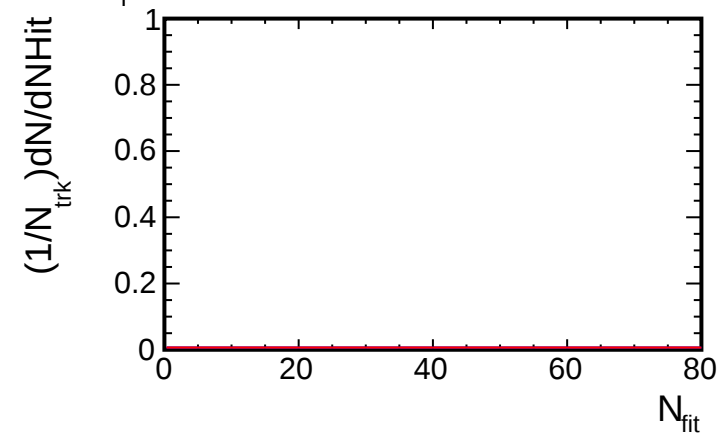


NHit distribution for (p_T , η) slices

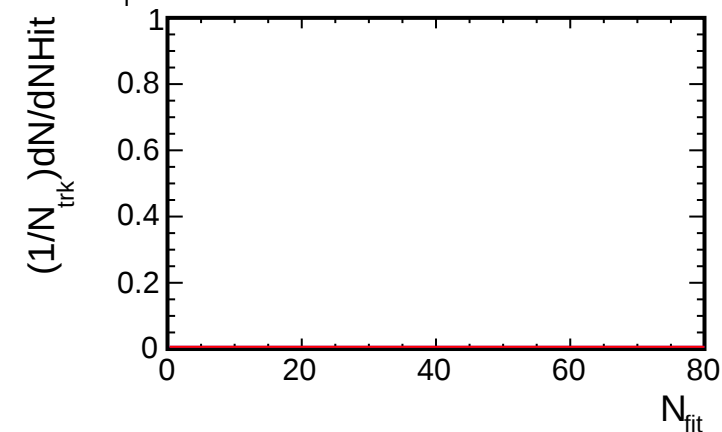
2, $4.5 < p_T < 5.0$ (GeV/c)



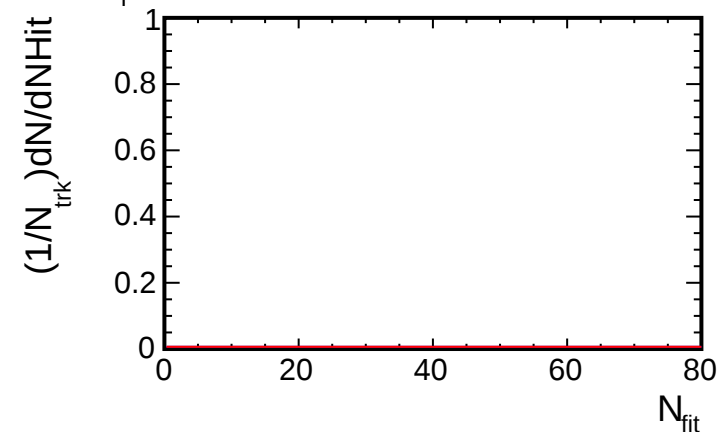
4, $4.5 < p_T < 5.0$ (GeV/c)



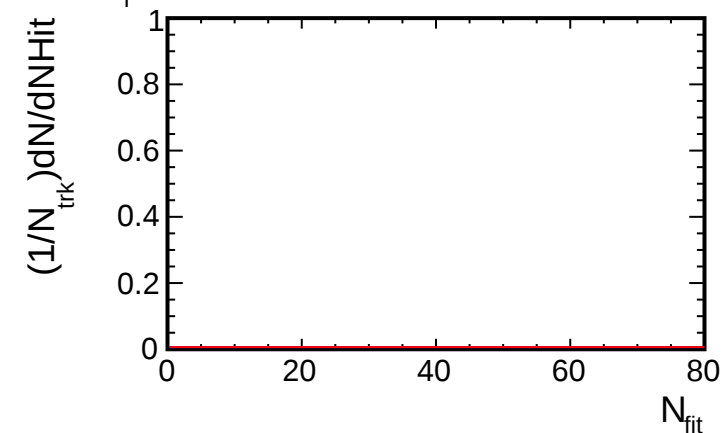
6, $4.5 < p_T < 5.0$ (GeV/c)



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

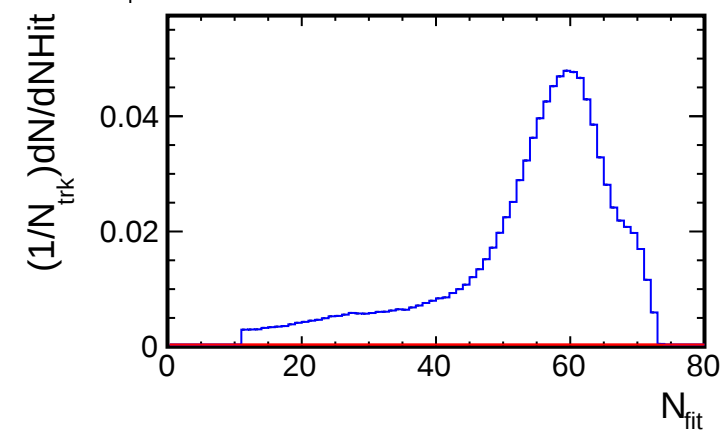
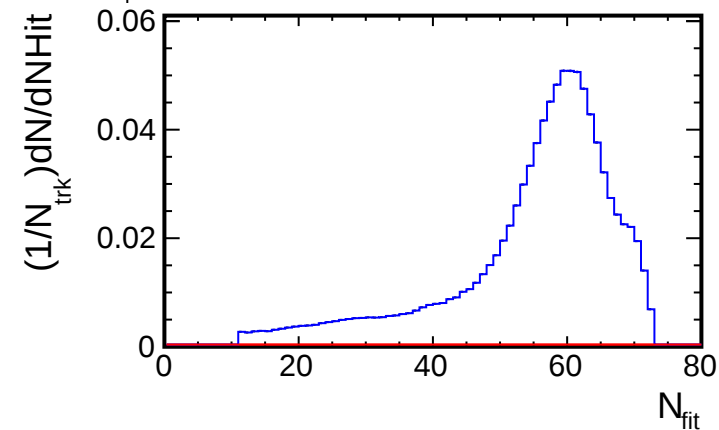
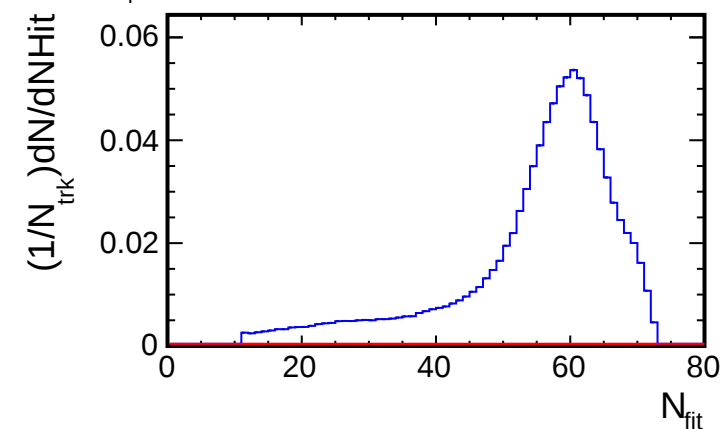
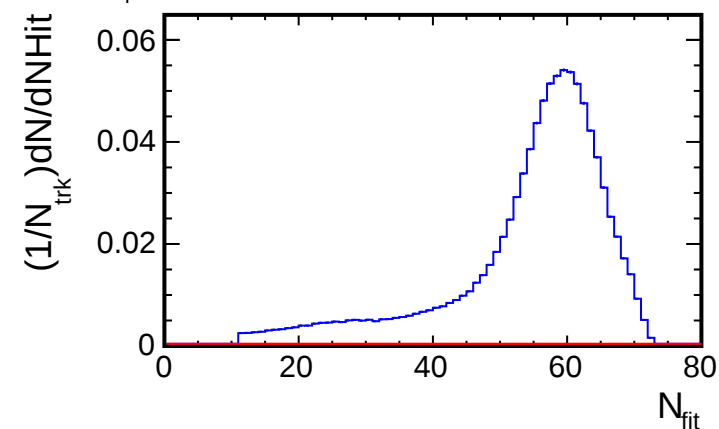
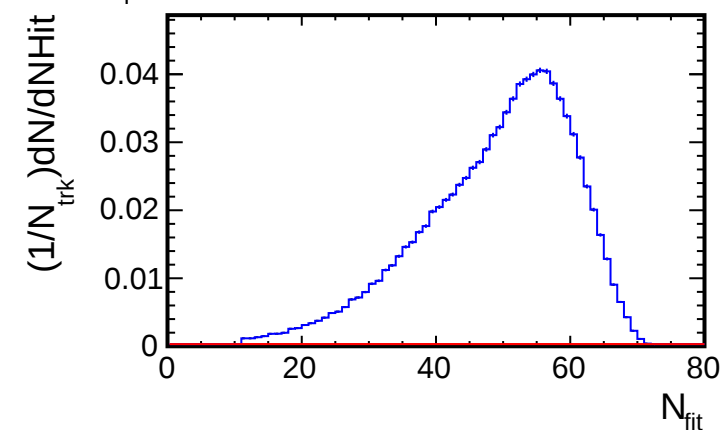


0, $4.5 < p_T < 5.0$ (GeV/c)



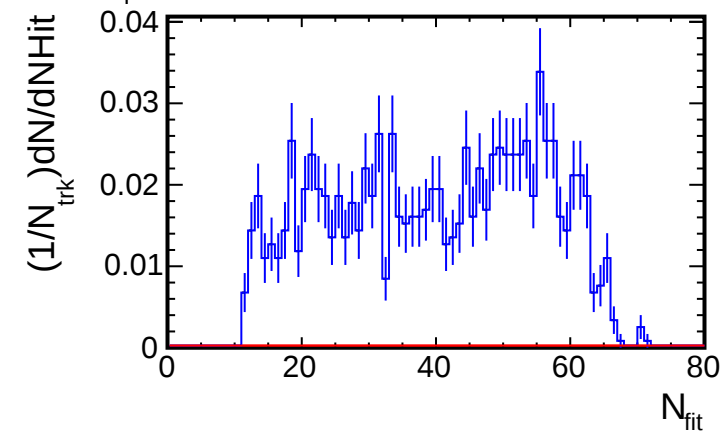
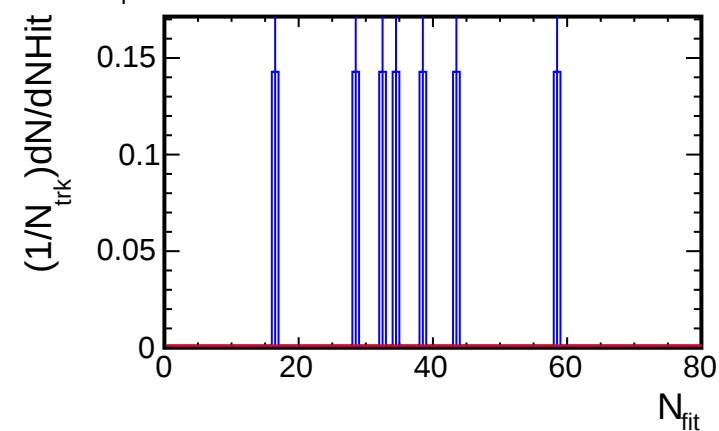
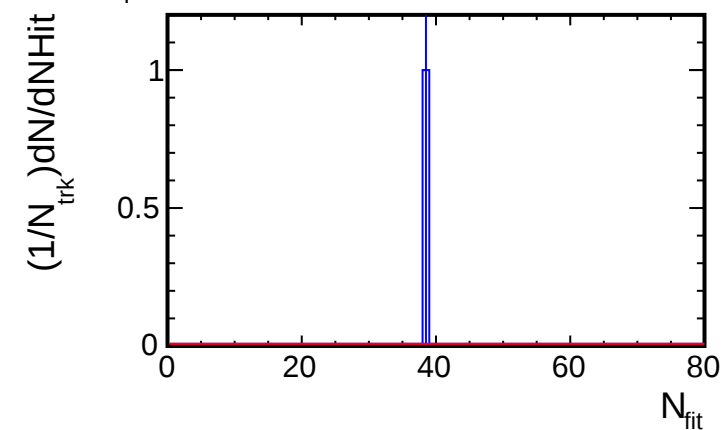
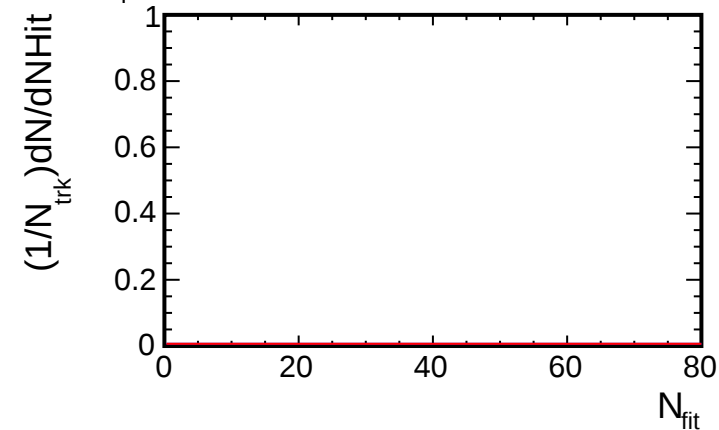
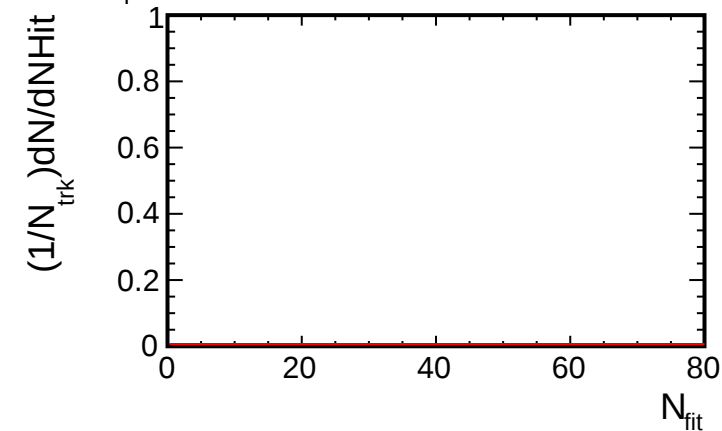
— Daughter π^- (from H4Lambda)
(CONTAM, geantid=9)

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

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)

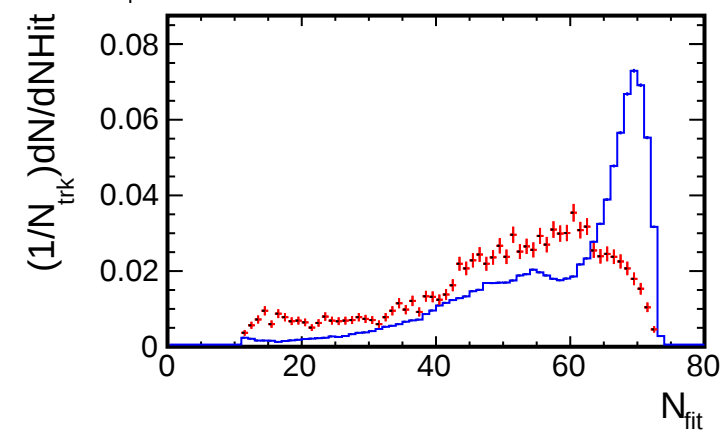
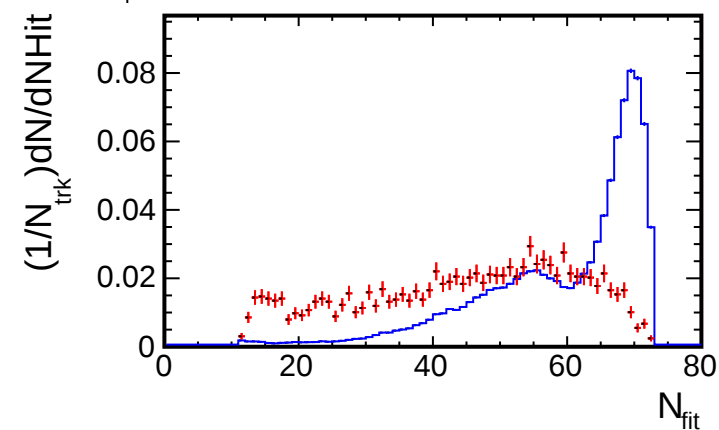
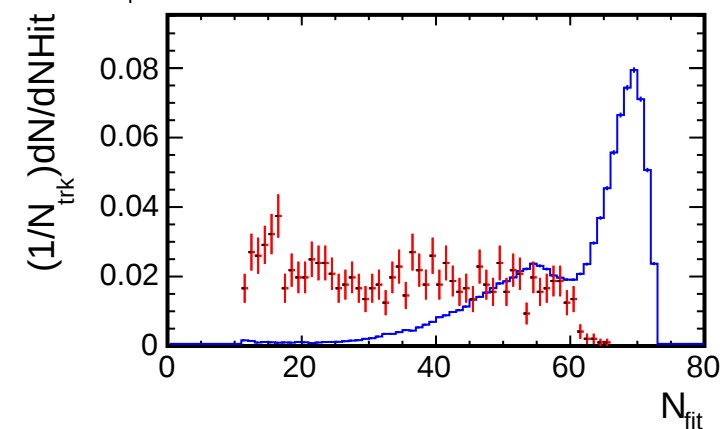
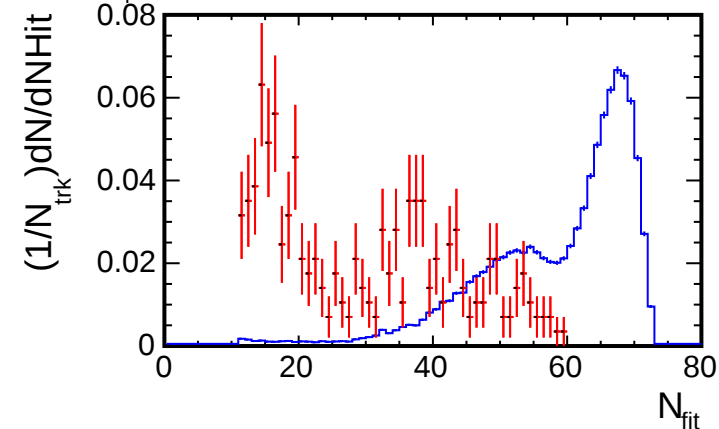
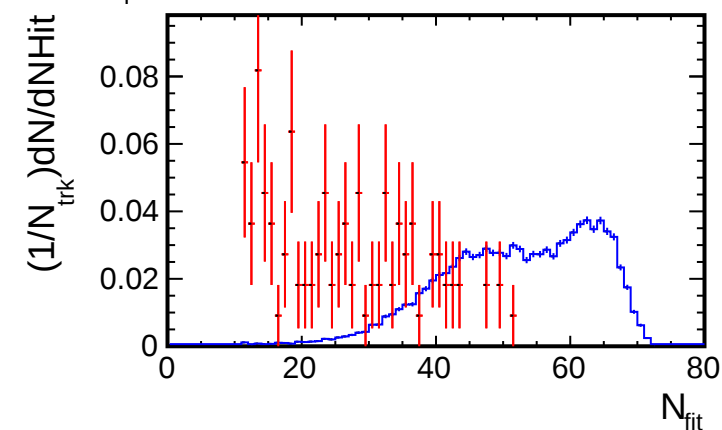
— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

NHit distribution for (p_T , η) slices2, $0.1 < p_T < 0.5$ (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 alpha (from H4Lambda)
(CONTAM, geantid=47)

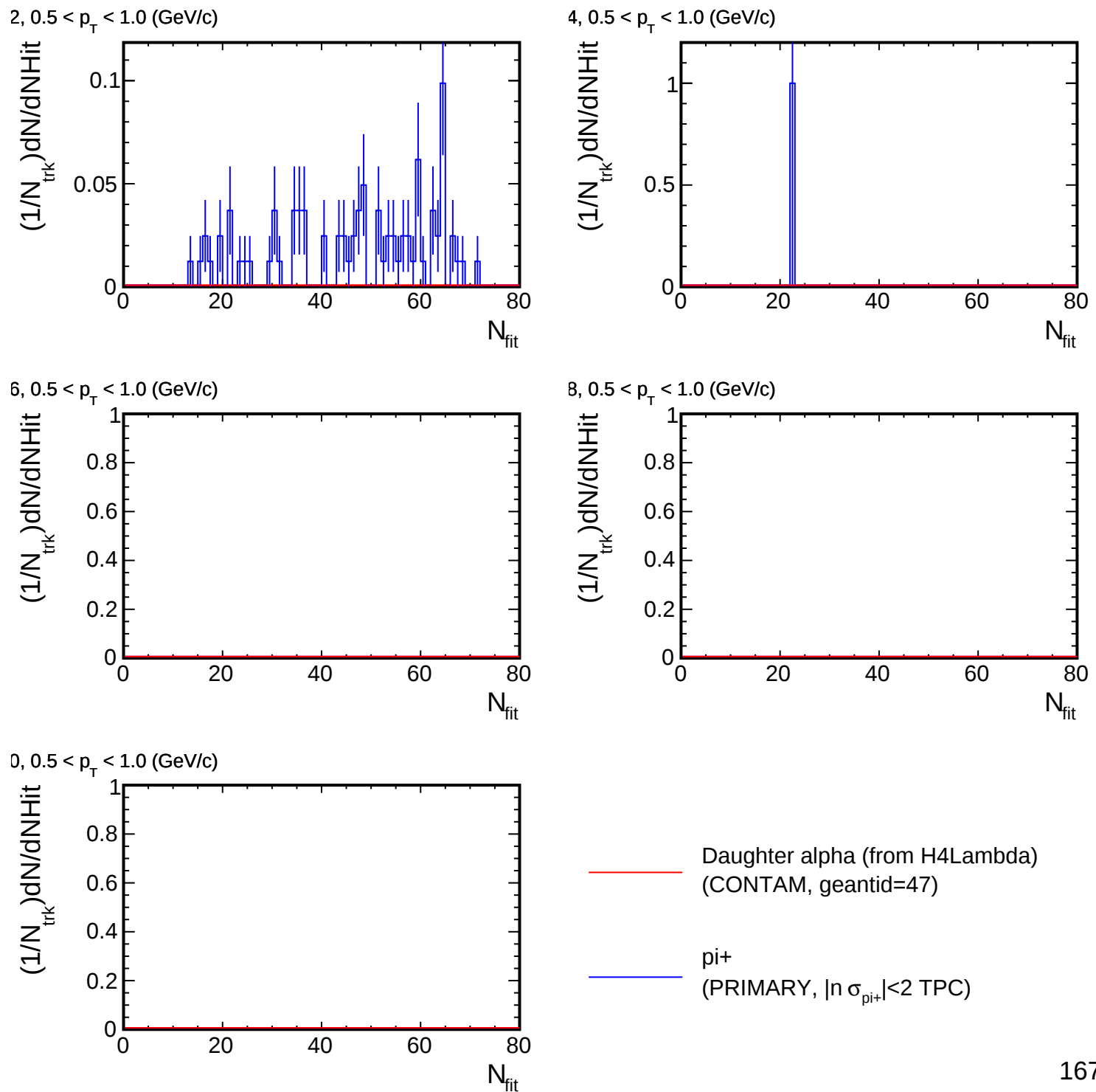
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

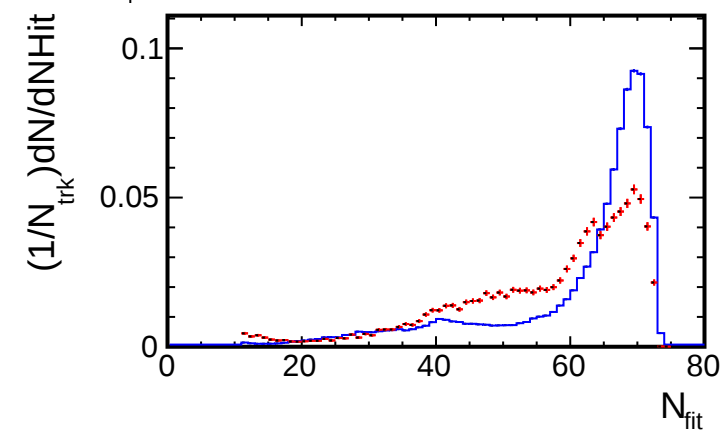
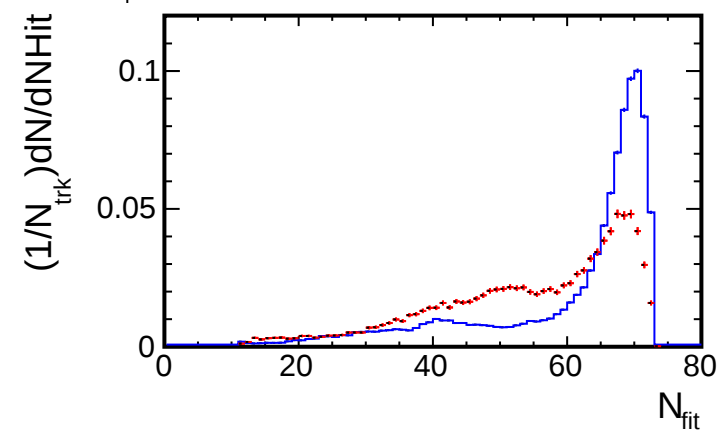
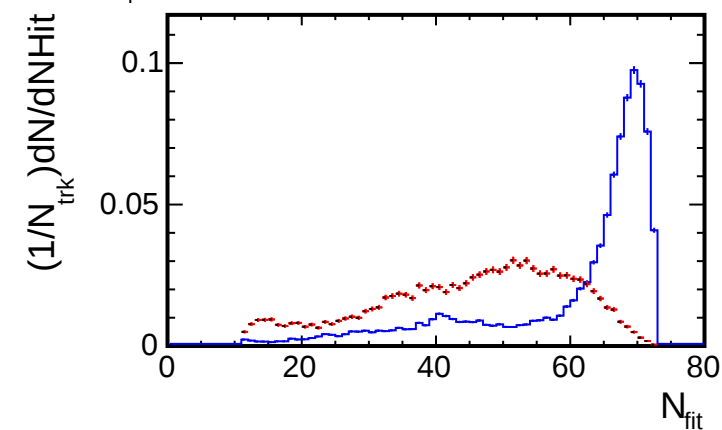
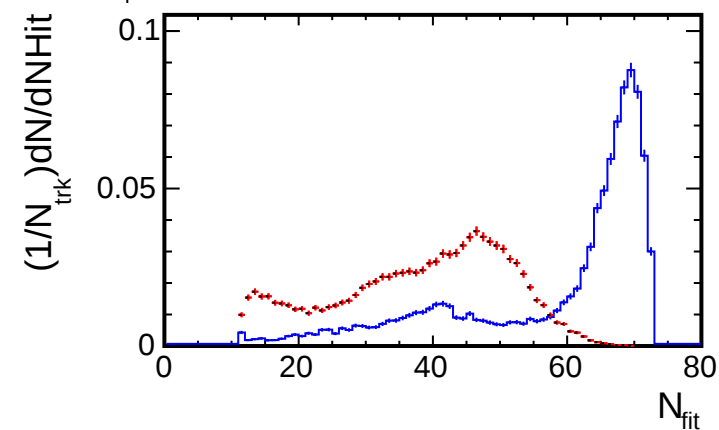
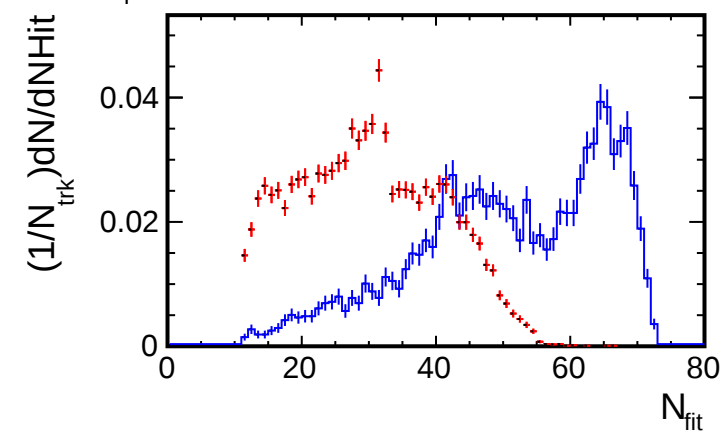
NHit distribution for (p_T , η) slices $1.8, 0.5 < p_T < 1.0$ (GeV/c) $1.6, 0.5 < p_T < 1.0$ (GeV/c) $1.4, 0.5 < p_T < 1.0$ (GeV/c) $1.2, 0.5 < p_T < 1.0$ (GeV/c) $1.0, 0.5 < p_T < 1.0$ (GeV/c)

— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

NHit distribution for (p_T , η) slices



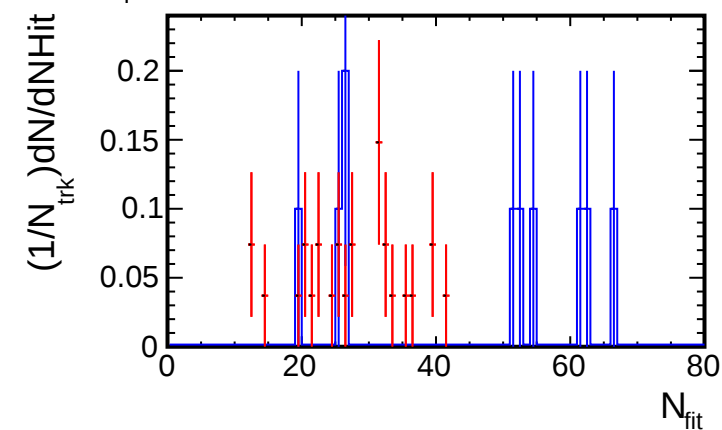
NHit distribution for (p_T , η) slices $1.8, 1.0 < p_T < 1.5$ (GeV/c) $1.6, 1.0 < p_T < 1.5$ (GeV/c) $1.4, 1.0 < p_T < 1.5$ (GeV/c) $1.2, 1.0 < p_T < 1.5$ (GeV/c) $1.0, 1.0 < p_T < 1.5$ (GeV/c)

— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

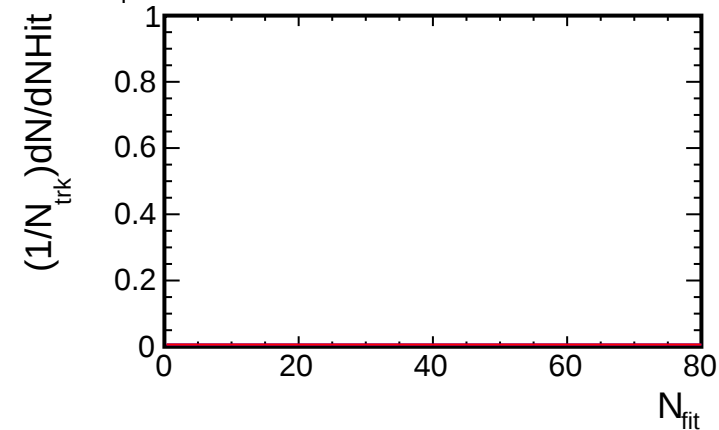
— pi+
(PRIMARY, $|\ln \sigma_{\pi^+}| < 2$ TPC)

NHit distribution for (p_T , η) slices

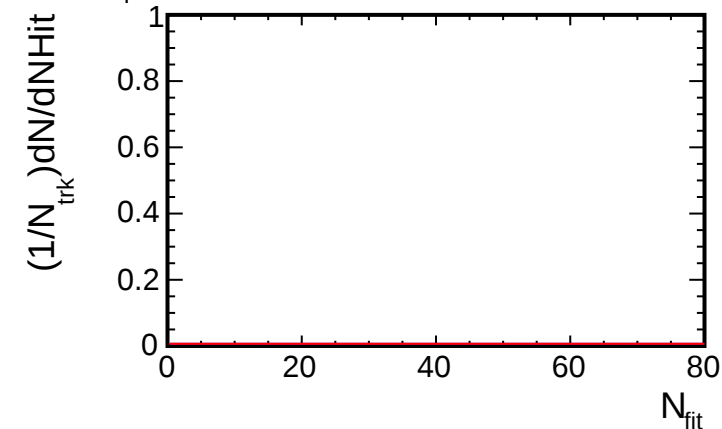
2, $1.0 < p_T < 1.5$ (GeV/c)



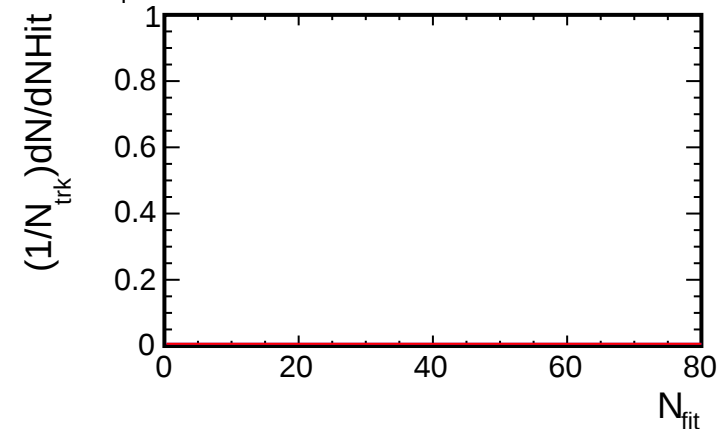
4, $1.0 < p_T < 1.5$ (GeV/c)



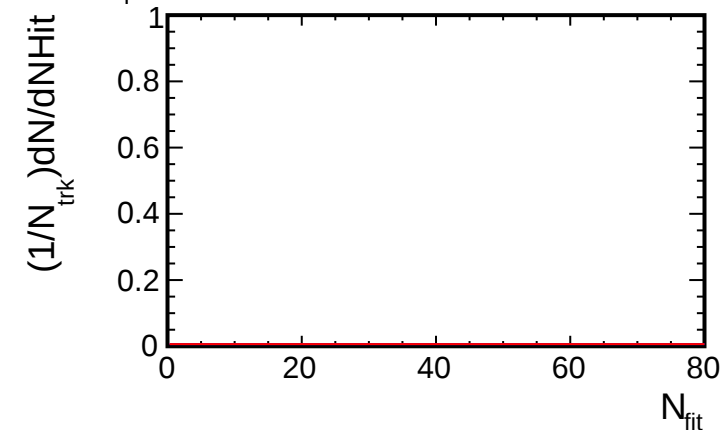
6, $1.0 < p_T < 1.5$ (GeV/c)



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



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

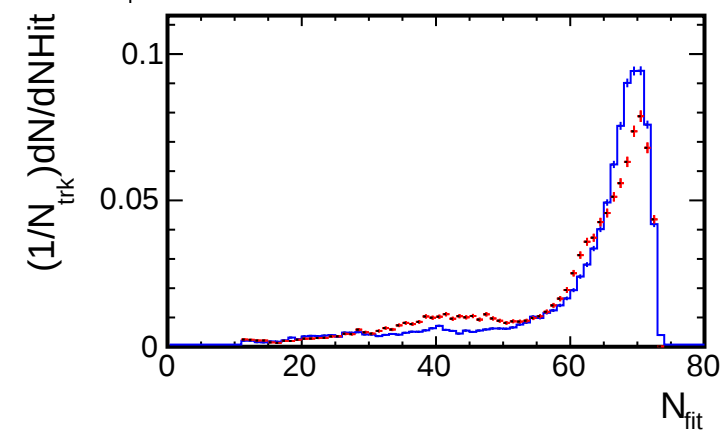


— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

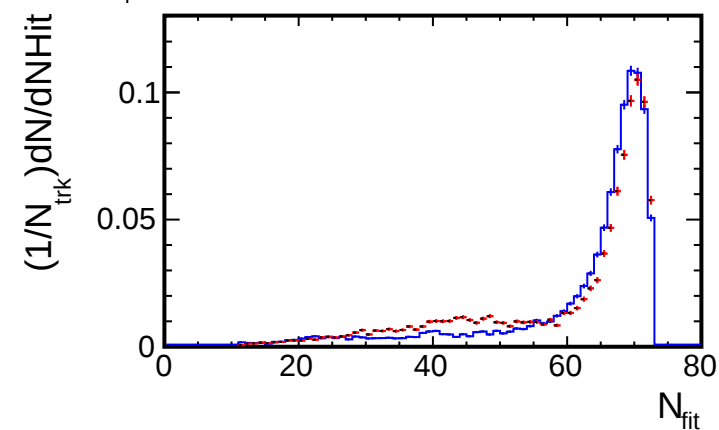
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

NHit distribution for (p_T , η) slices

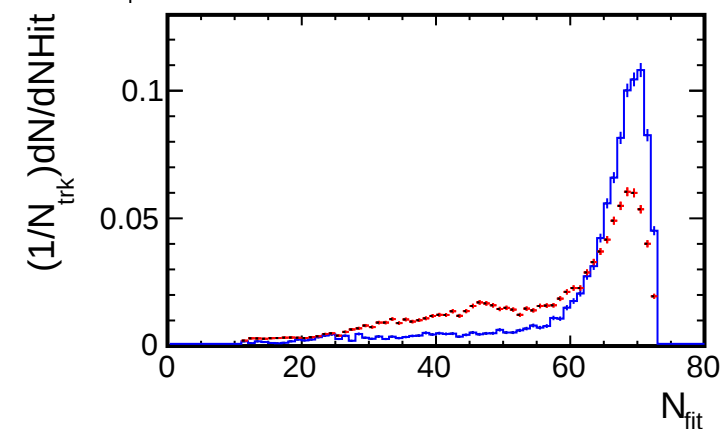
1.8, $1.5 < p_T < 2.0$ (GeV/c)



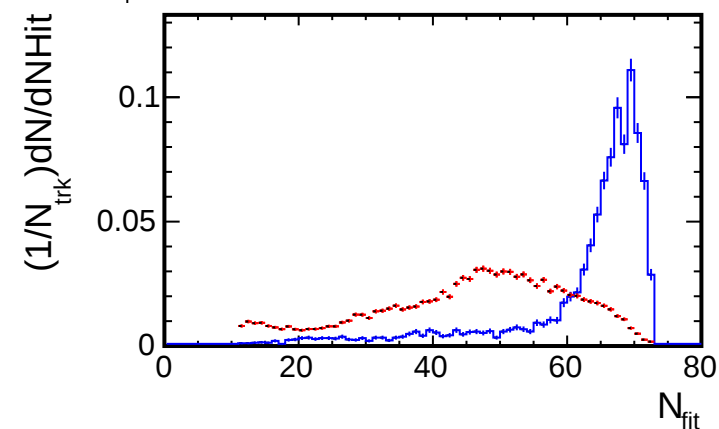
1.6, $1.5 < p_T < 2.0$ (GeV/c)



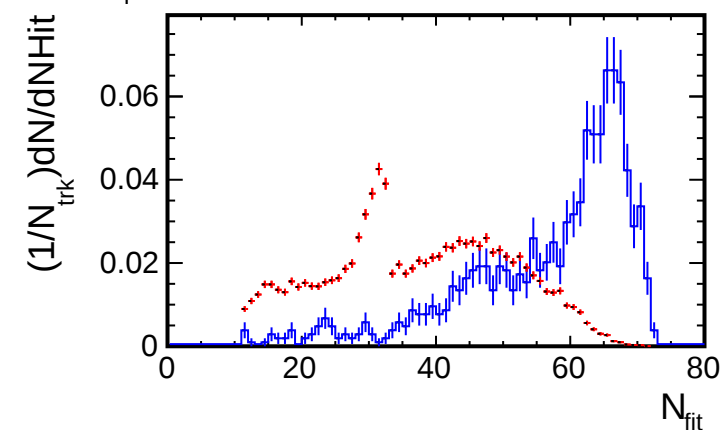
1.4, $1.5 < p_T < 2.0$ (GeV/c)



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



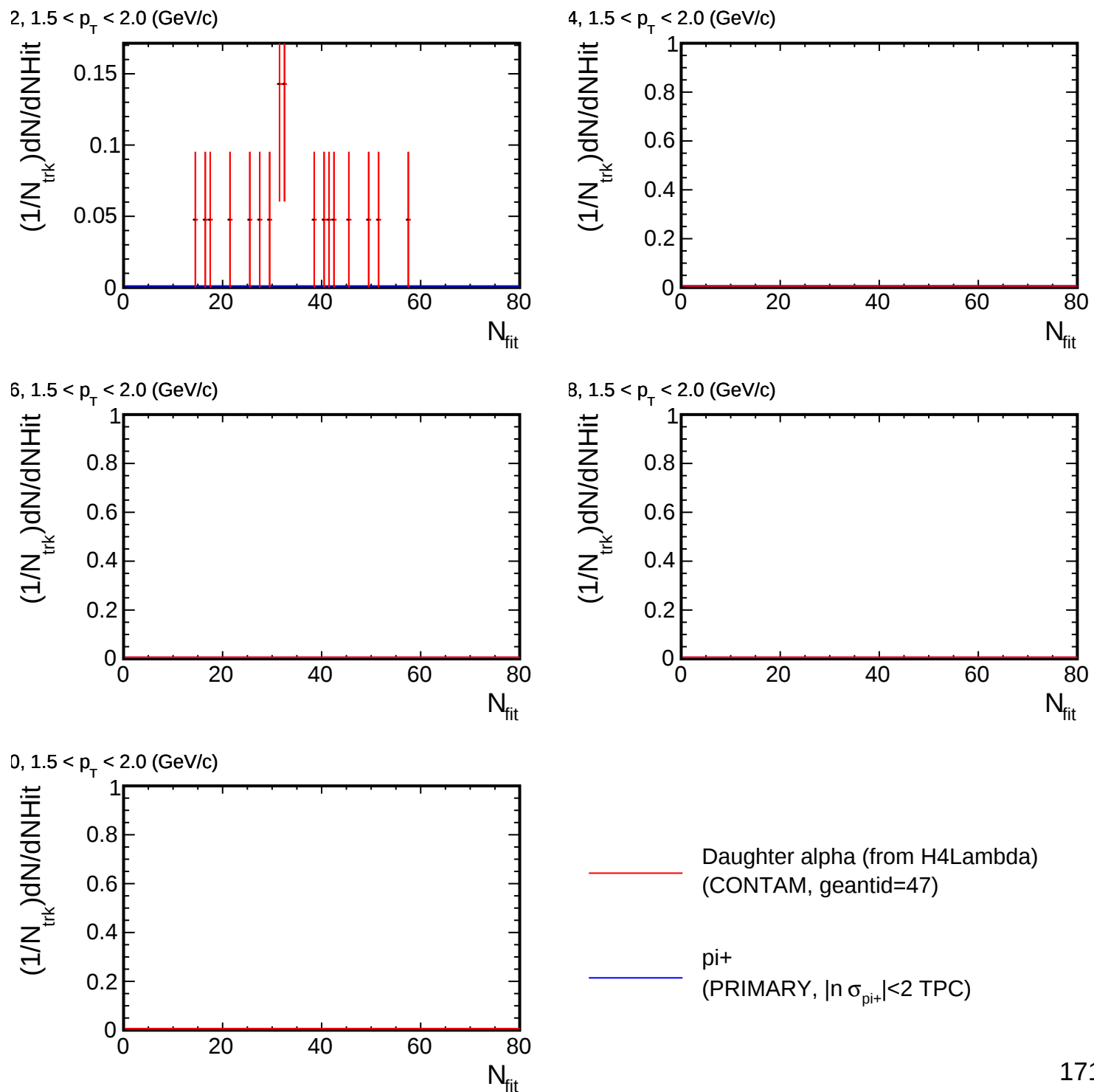
1.0, $1.5 < p_T < 2.0$ (GeV/c)

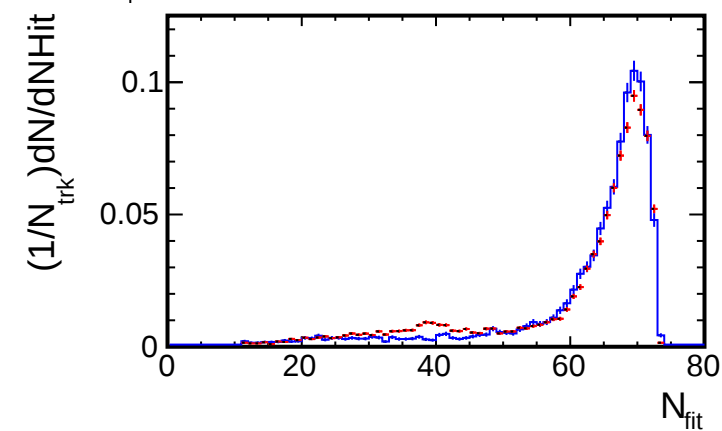
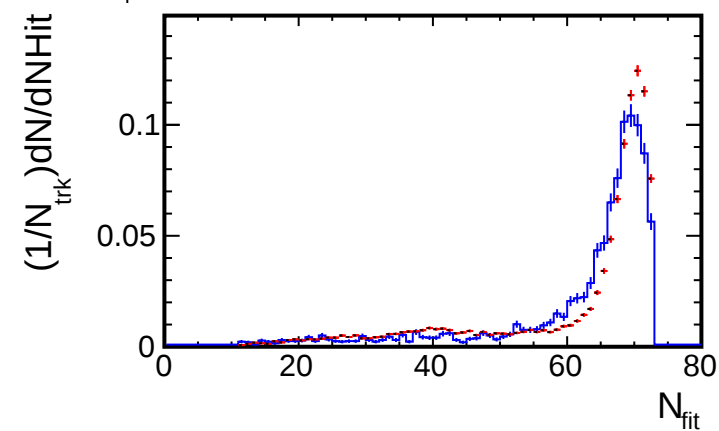
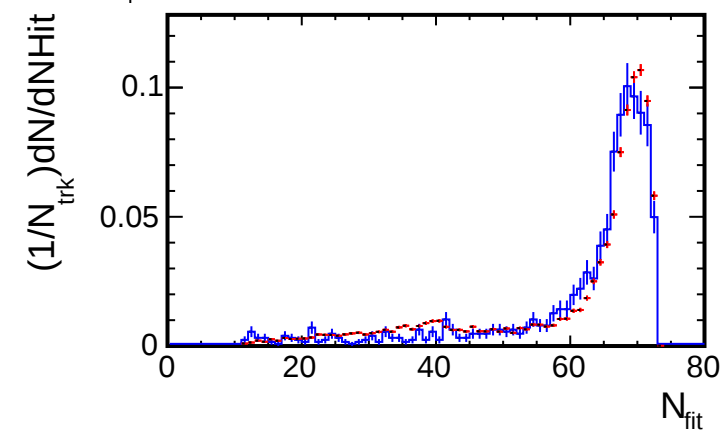
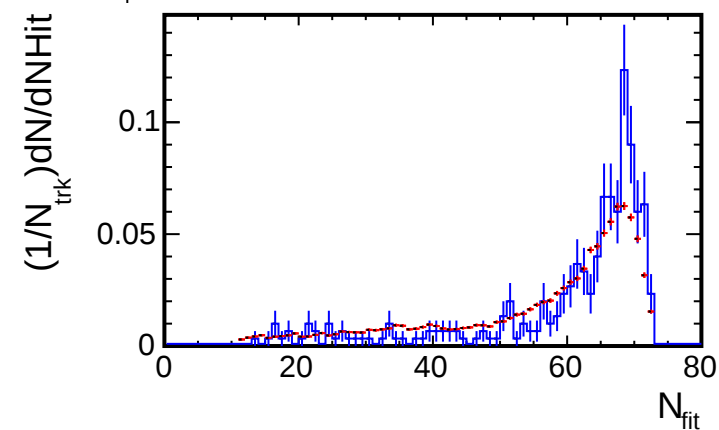
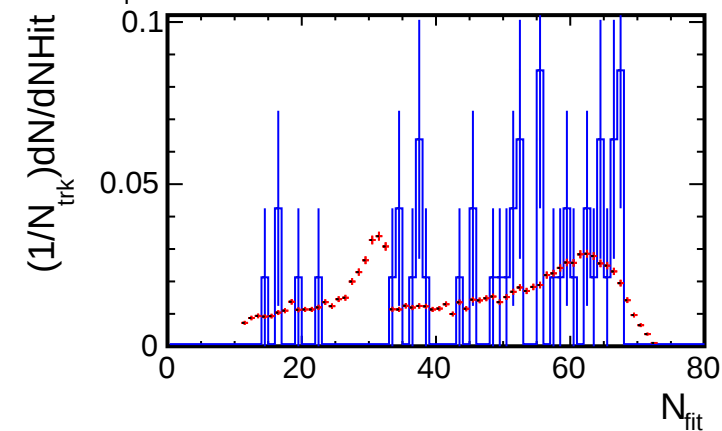


— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

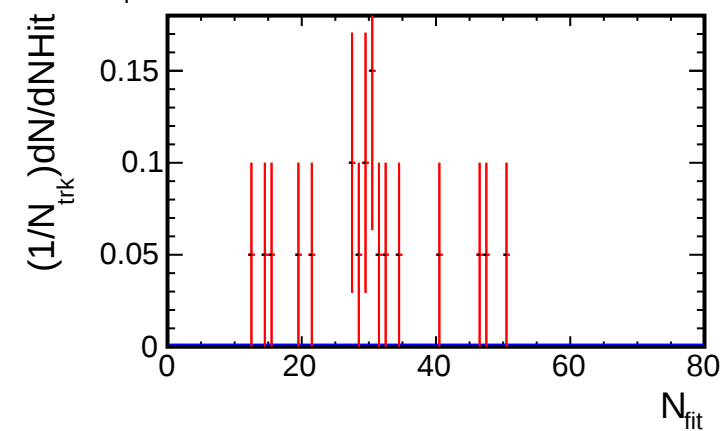
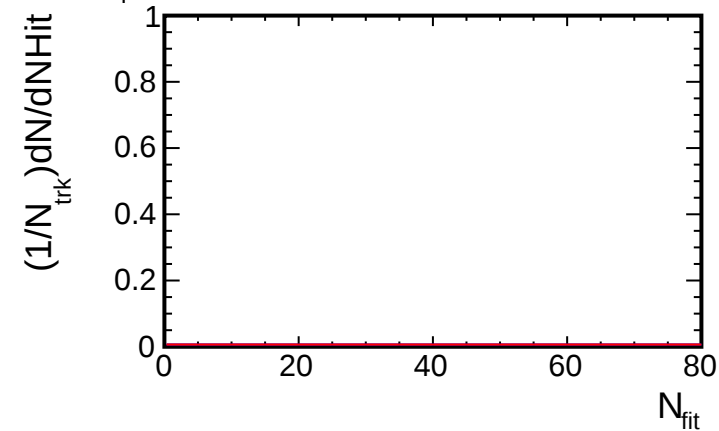
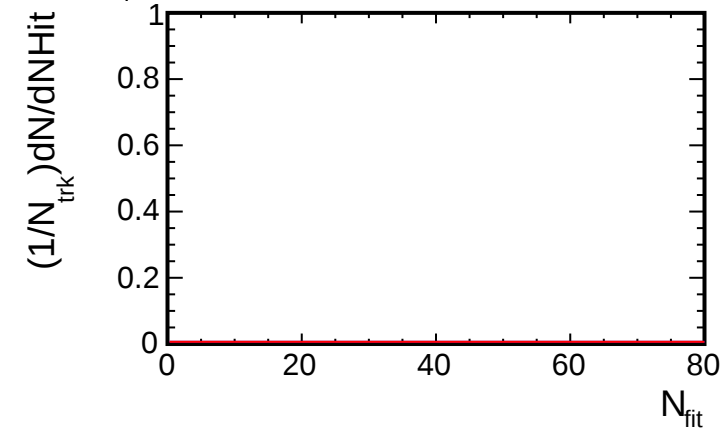
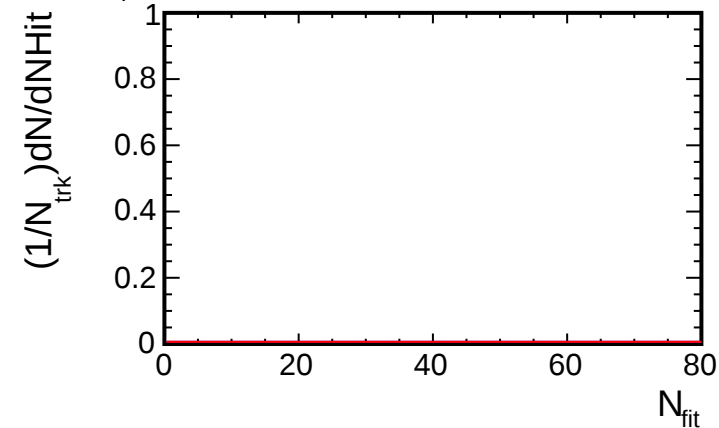
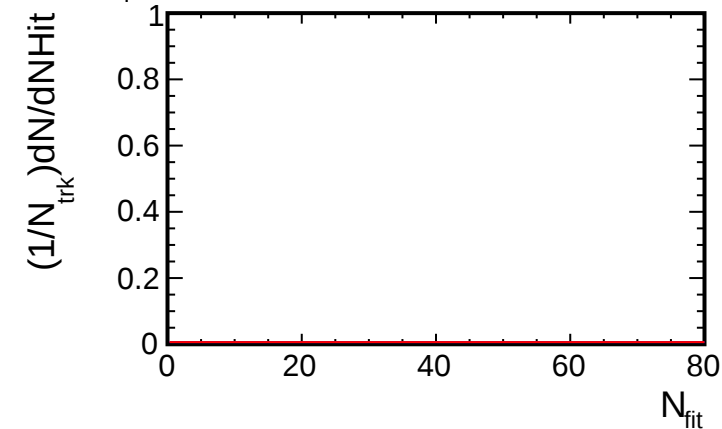
NHit distribution for (p_T , η) slices



NHit distribution for (p_T , η) slices1.8, $2.0 < p_T < 2.5$ (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 alpha (from H4Lambda)
(CONTAM, geantid=47)

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

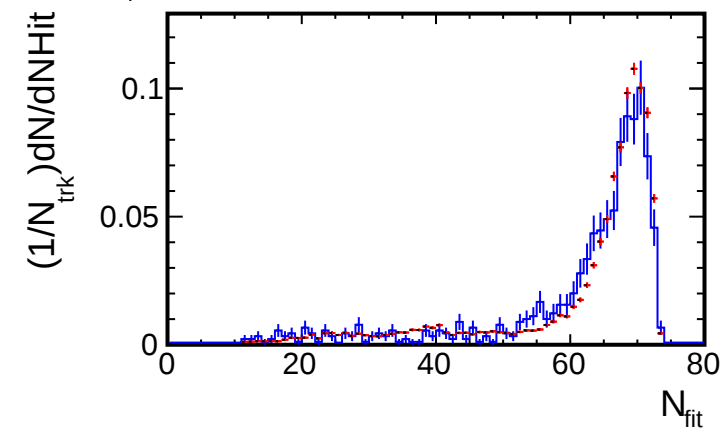
NHit distribution for (p_T , η) slices2, $2.0 < p_T < 2.5$ (GeV/c)4, $2.0 < p_T < 2.5$ (GeV/c)6, $2.0 < p_T < 2.5$ (GeV/c)8, $2.0 < p_T < 2.5$ (GeV/c)0, $2.0 < p_T < 2.5$ (GeV/c)

— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

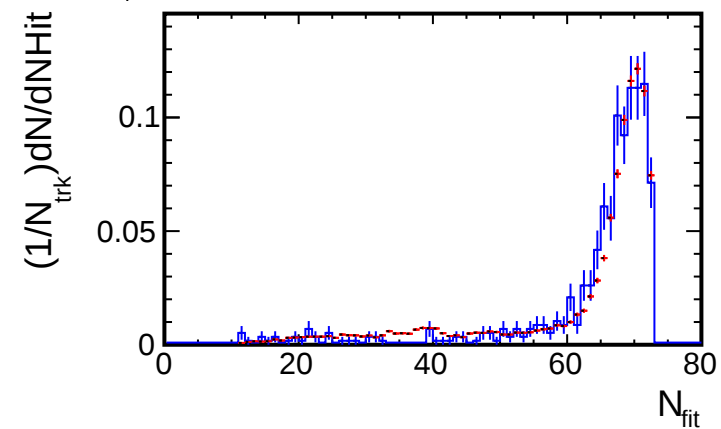
— pi+
(PRIMARY, $|\ln \sigma_{pi+}| < 2$ TPC)

NHit distribution for (p_T , η) slices

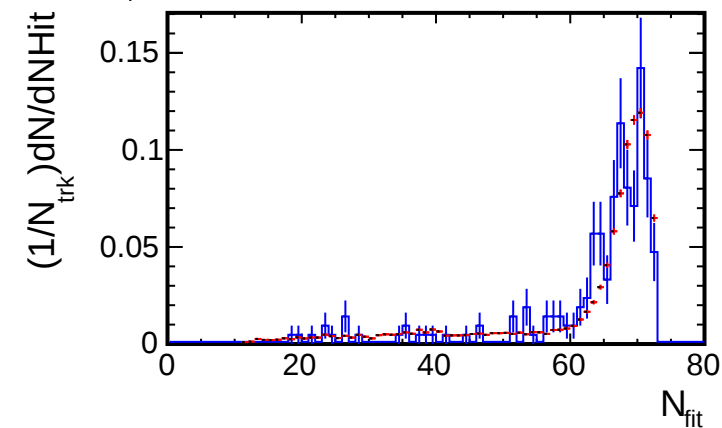
1.8, $2.5 < p_T < 3.0$ (GeV/c)



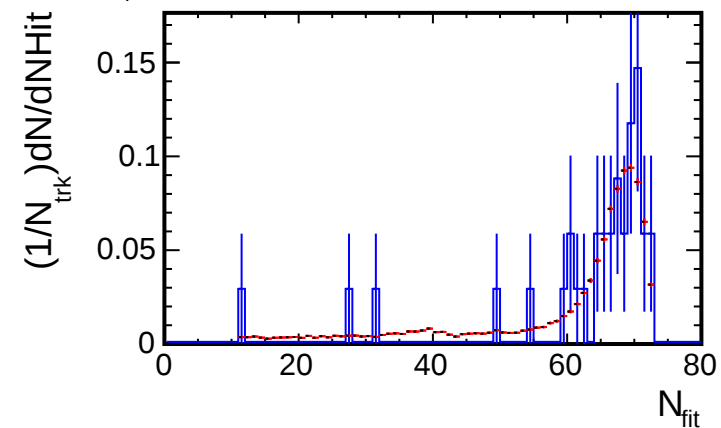
1.6, $2.5 < p_T < 3.0$ (GeV/c)



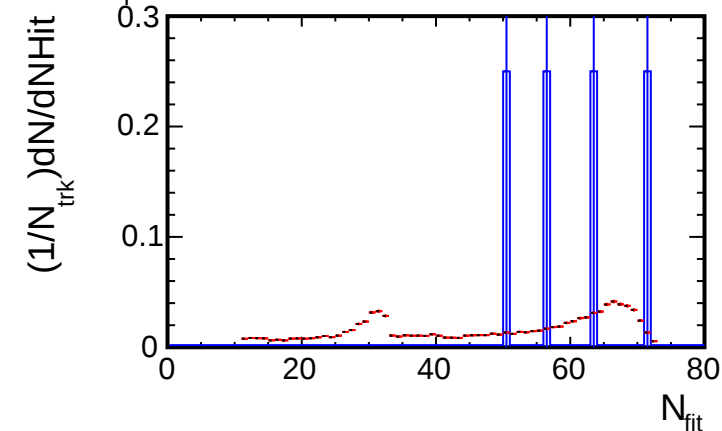
1.4, $2.5 < p_T < 3.0$ (GeV/c)



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



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

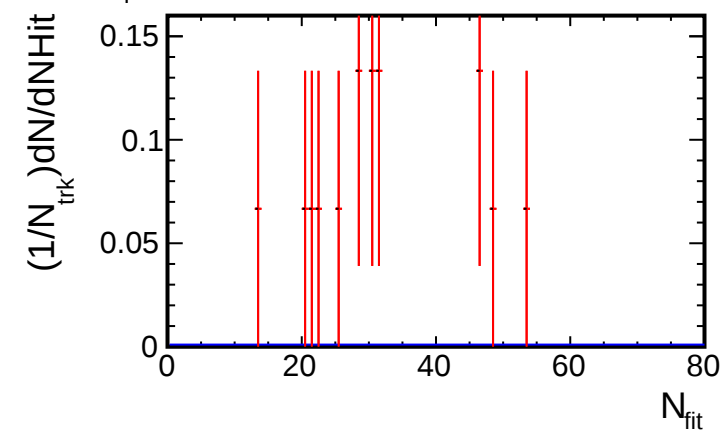


— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

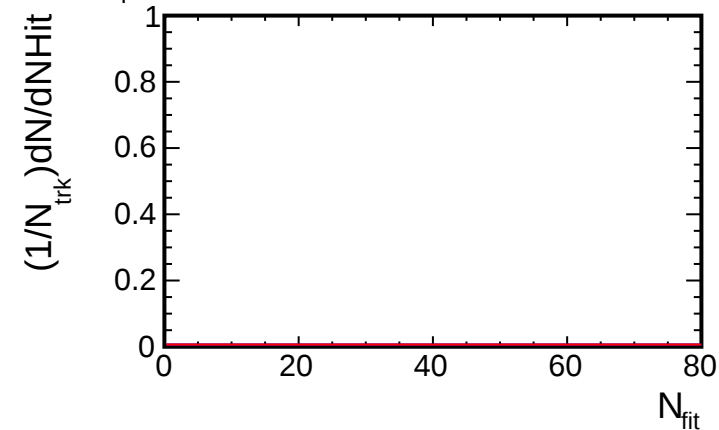
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}^+}| < 2$ TPC)

NHit distribution for (p_T , η) slices

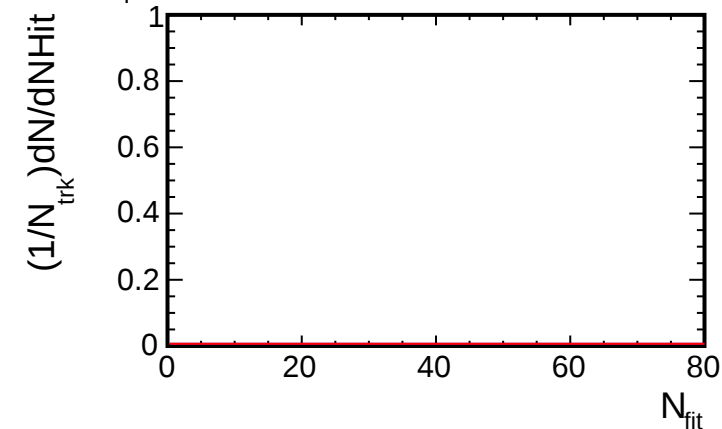
2, $2.5 < p_T < 3.0$ (GeV/c)



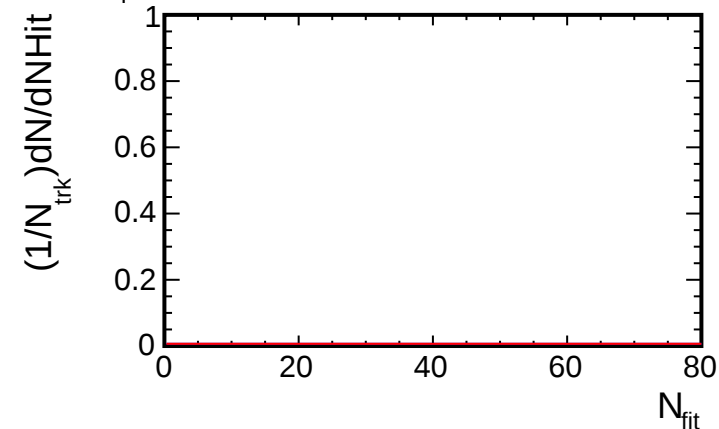
4, $2.5 < p_T < 3.0$ (GeV/c)



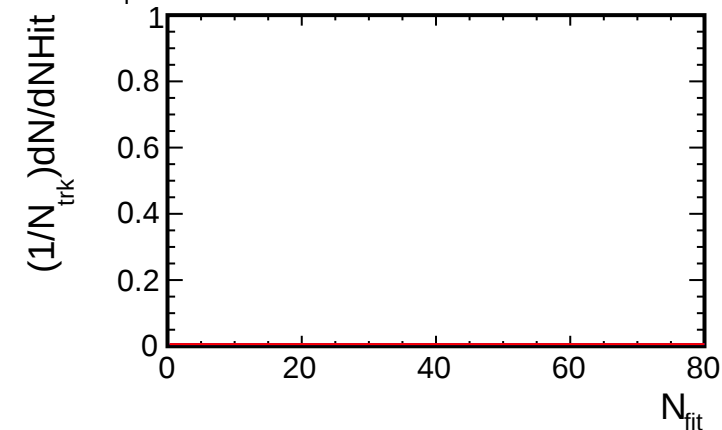
6, $2.5 < p_T < 3.0$ (GeV/c)



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

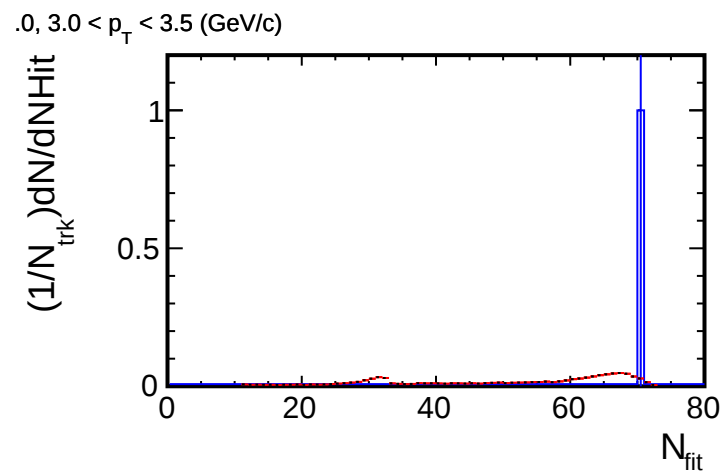
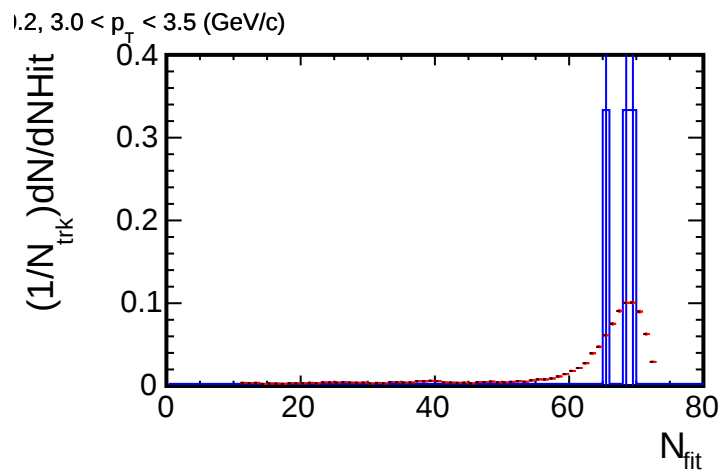
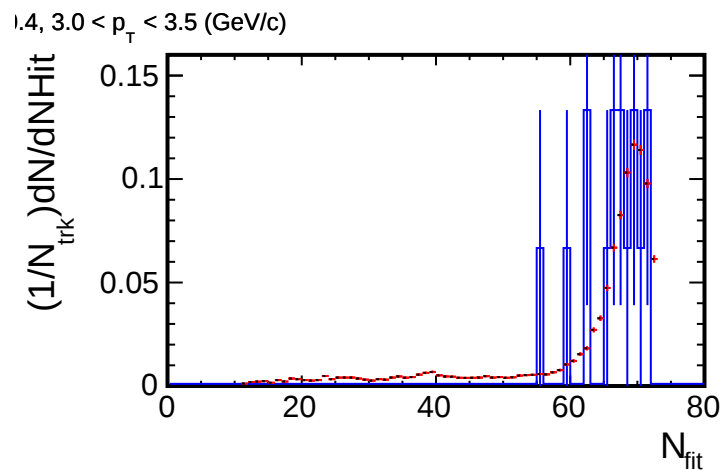
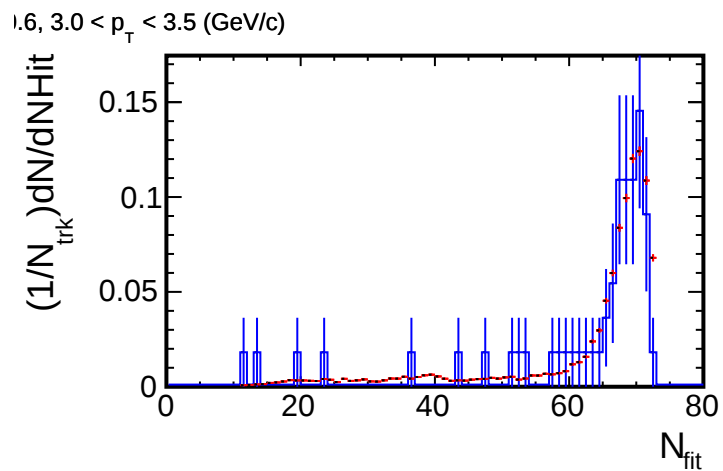
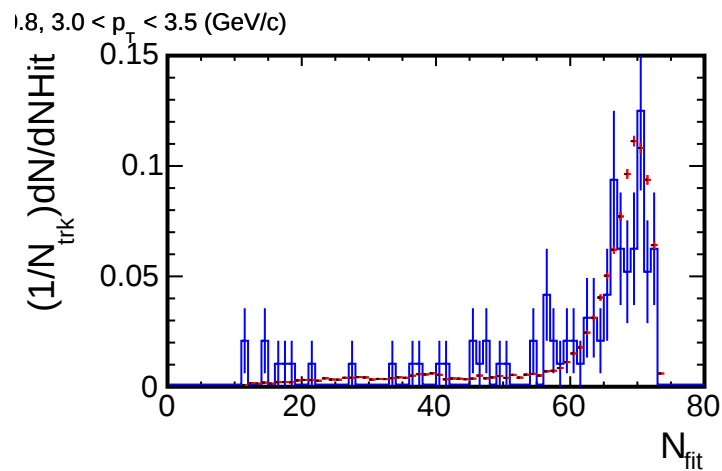


0, $2.5 < p_T < 3.0$ (GeV/c)



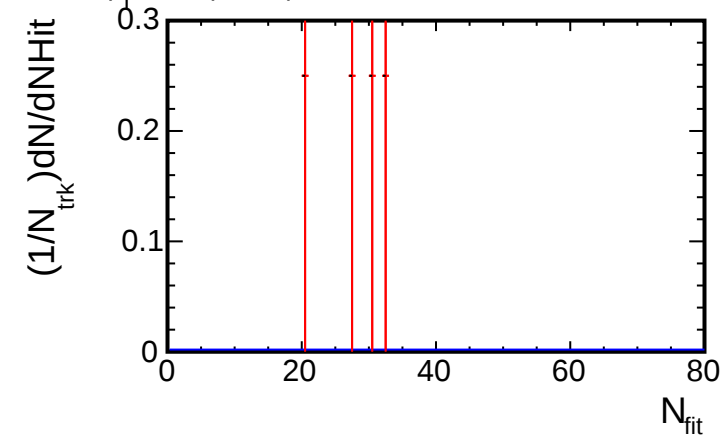
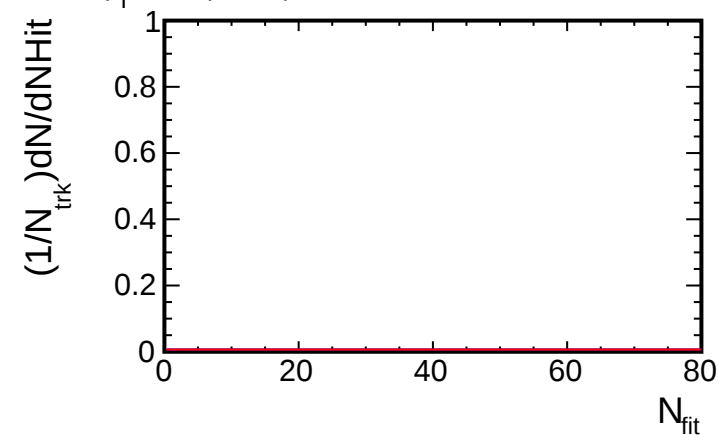
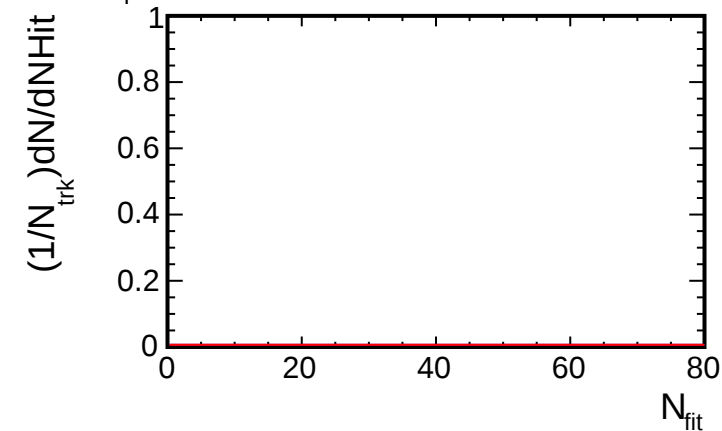
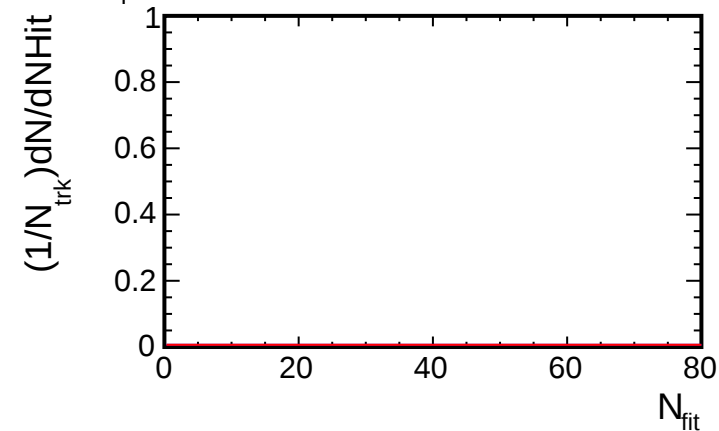
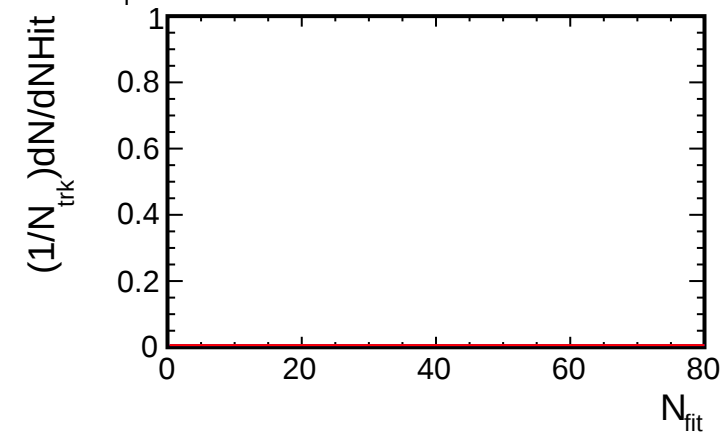
— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

NHit distribution for (p_T , η) slices

— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

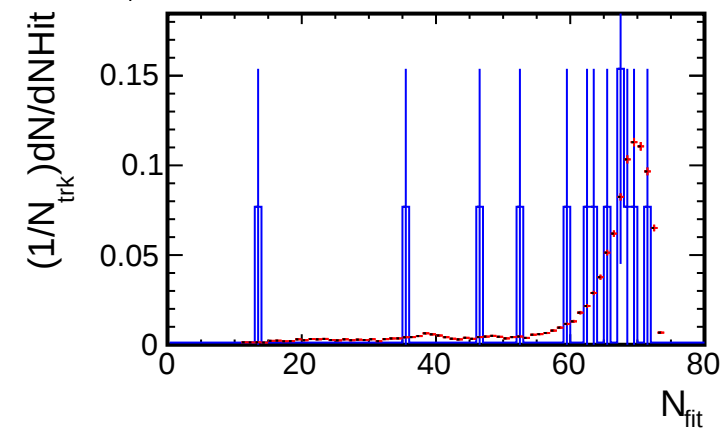
NHit distribution for (p_T , η) slices2, $3.0 < p_T < 3.5$ (GeV/c)4, $3.0 < p_T < 3.5$ (GeV/c)6, $3.0 < p_T < 3.5$ (GeV/c)8, $3.0 < p_T < 3.5$ (GeV/c)0, $3.0 < p_T < 3.5$ (GeV/c)

— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

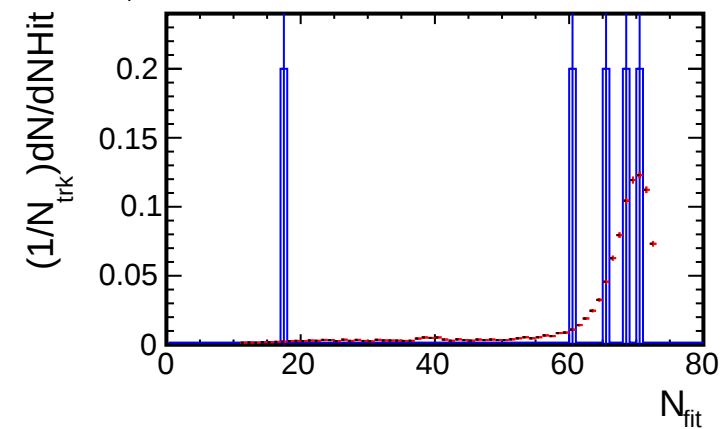
— pi+
(PRIMARY, $|\ln \sigma_{pi+}| < 2$ TPC)

NHit distribution for (p_T , η) slices

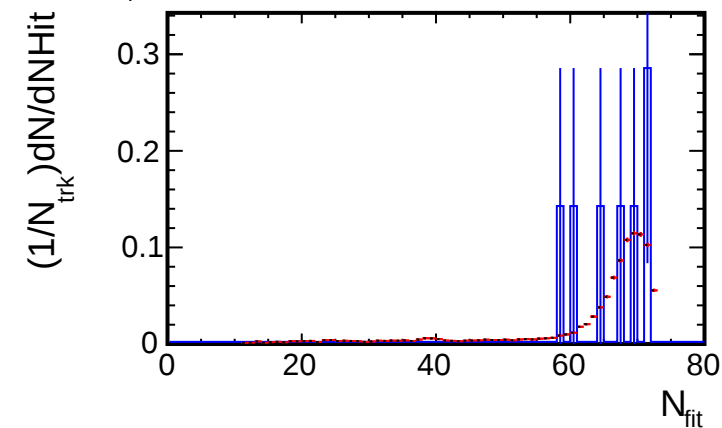
1.8, $3.5 < p_T < 4.0$ (GeV/c)



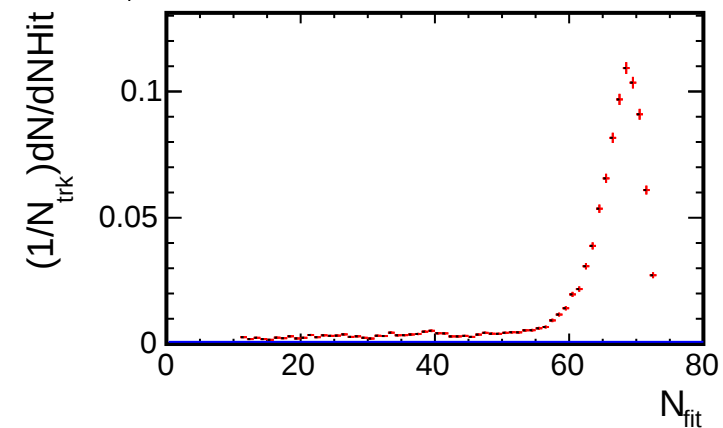
1.6, $3.5 < p_T < 4.0$ (GeV/c)



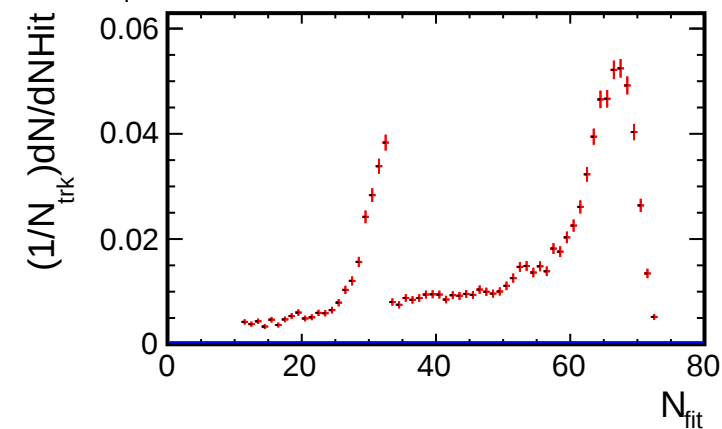
1.4, $3.5 < p_T < 4.0$ (GeV/c)



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

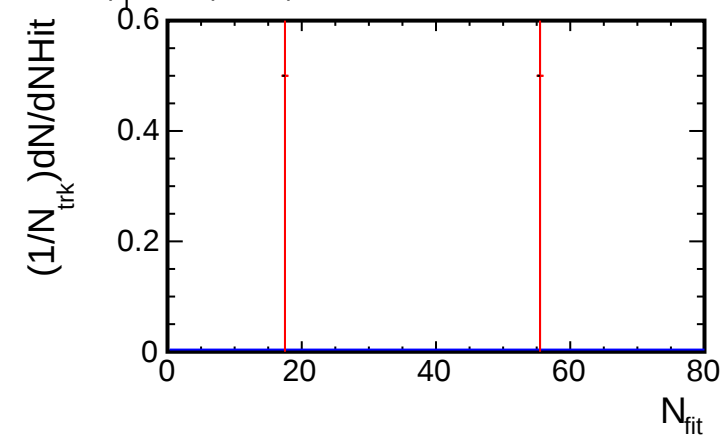
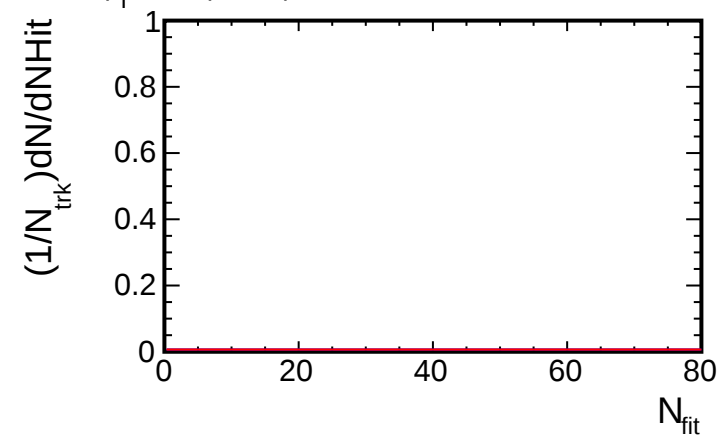
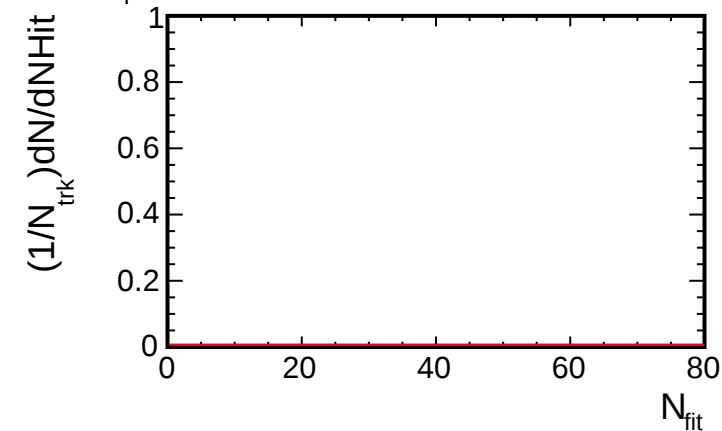
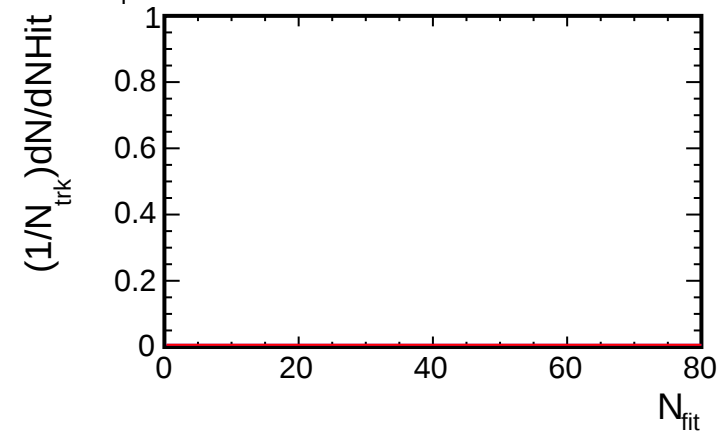
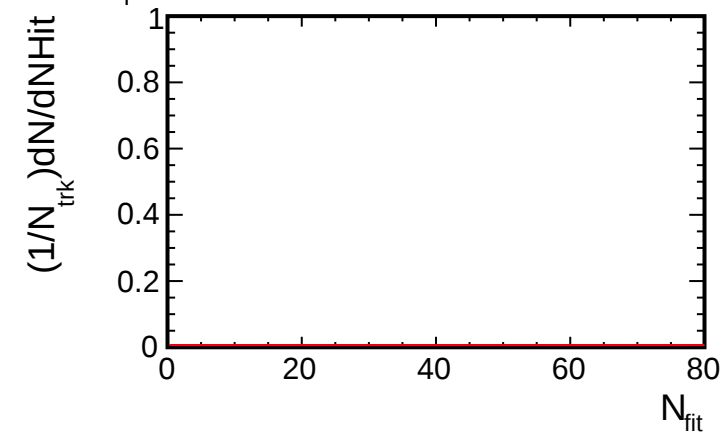


1.0, $3.5 < p_T < 4.0$ (GeV/c)



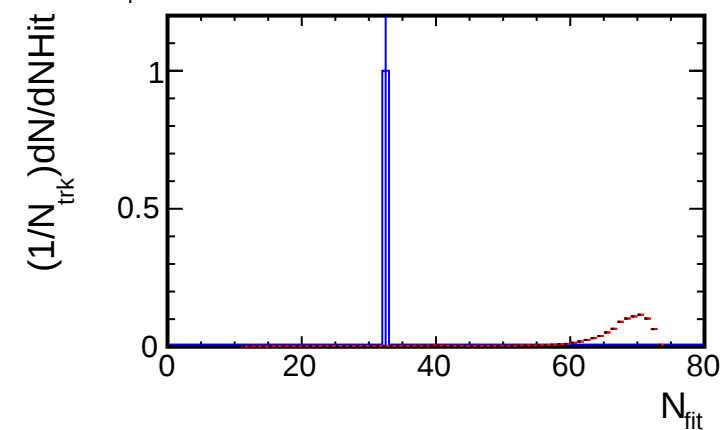
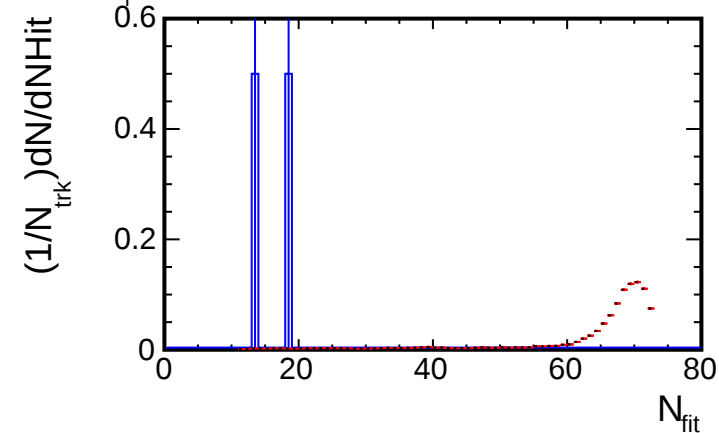
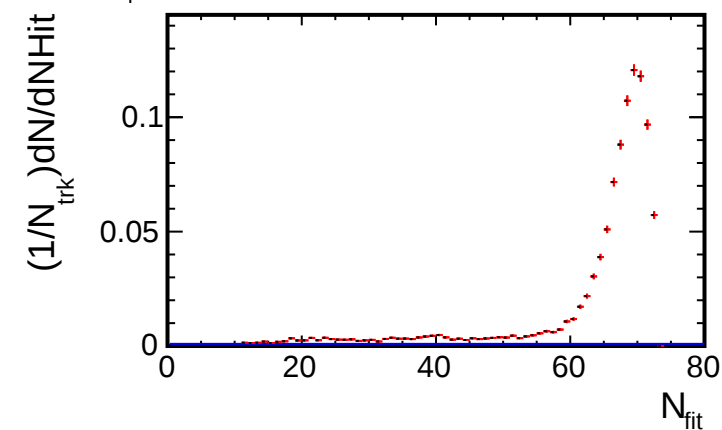
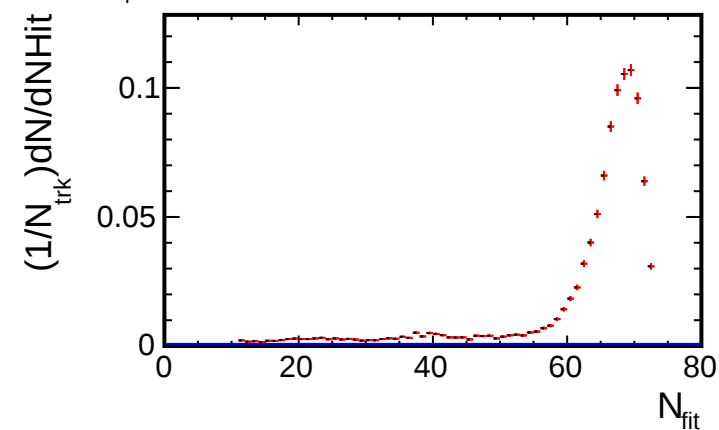
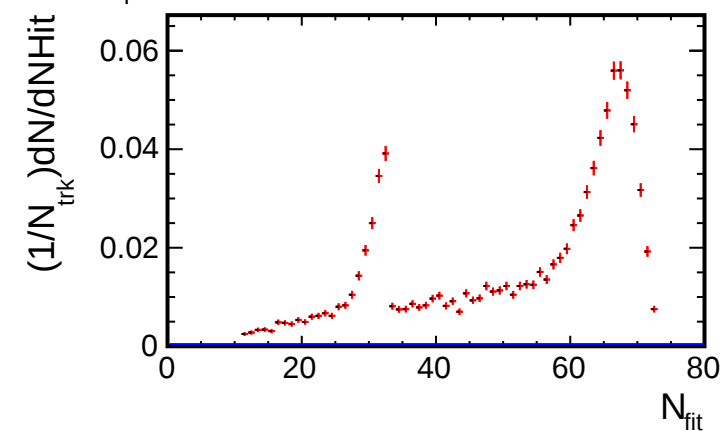
— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

NHit distribution for (p_T , η) slices2, $3.5 < p_T < 4.0$ (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 alpha (from H4Lambda)
(CONTAM, geantid=47)

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

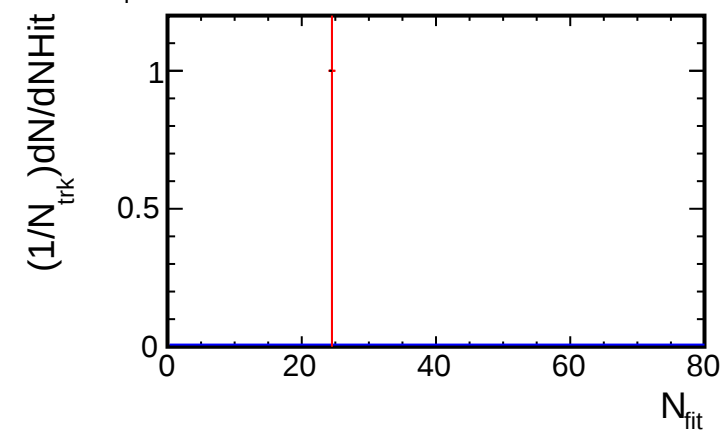
NHit distribution for (p_T , η) slices1.8, $4.0 < p_T < 4.5$ (GeV/c)1.6, $4.0 < p_T < 4.5$ (GeV/c)1.4, $4.0 < p_T < 4.5$ (GeV/c)1.2, $4.0 < p_T < 4.5$ (GeV/c)1.0, $4.0 < p_T < 4.5$ (GeV/c)

— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

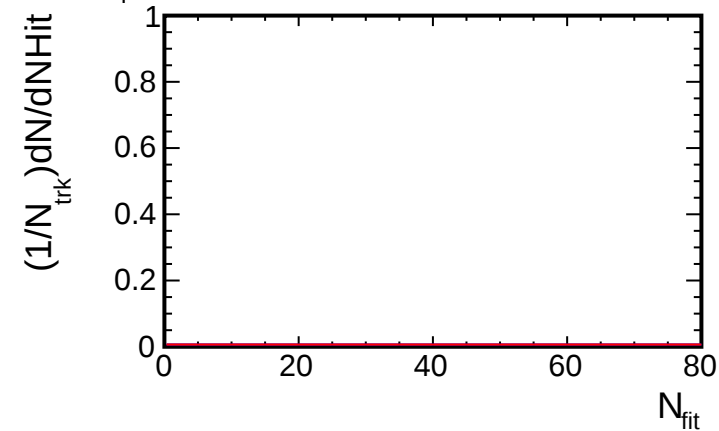
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}+}| < 2$ TPC)

NHit distribution for (p_T , η) slices

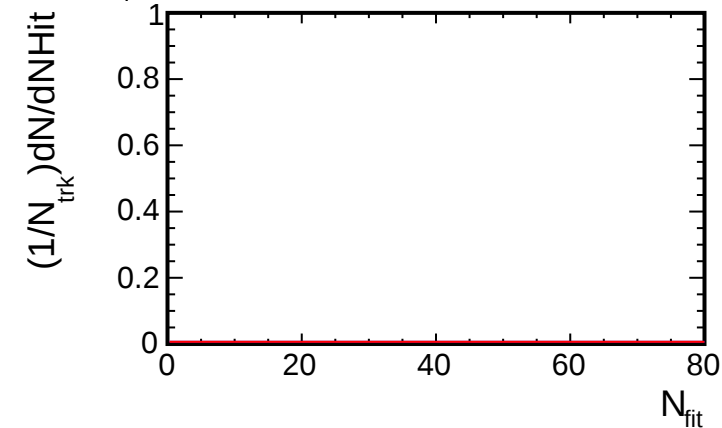
2, $4.0 < p_T < 4.5$ (GeV/c)



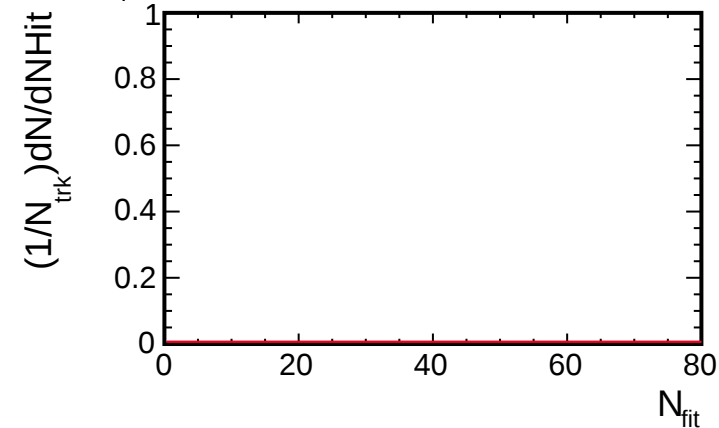
4, $4.0 < p_T < 4.5$ (GeV/c)



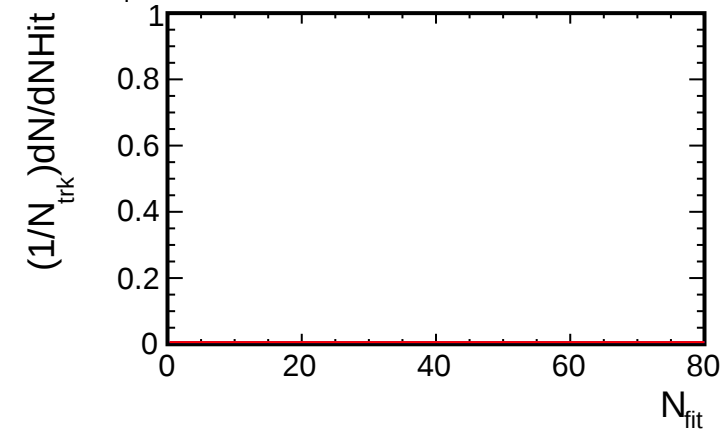
6, $4.0 < p_T < 4.5$ (GeV/c)



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



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

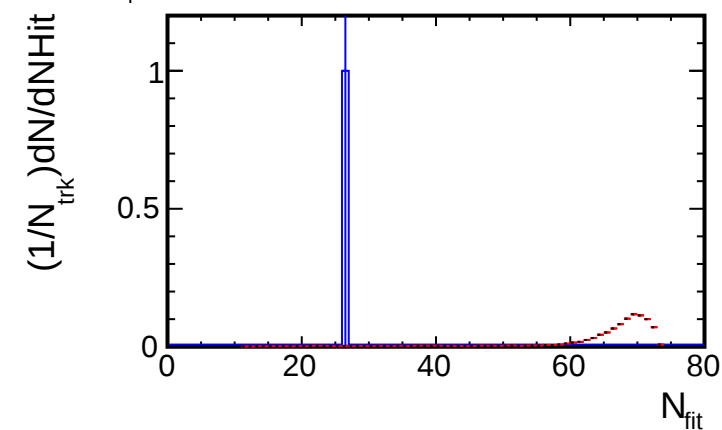


— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

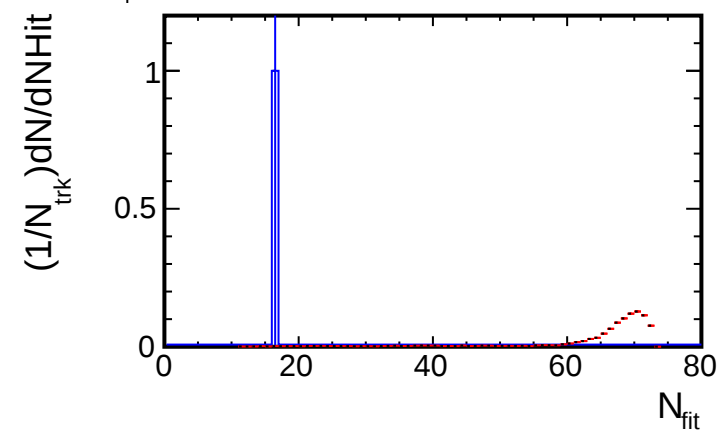
— pi+
(PRIMARY, $|\ln \sigma_{\text{pi}+}| < 2$ TPC)

NHit distribution for (p_T , η) slices

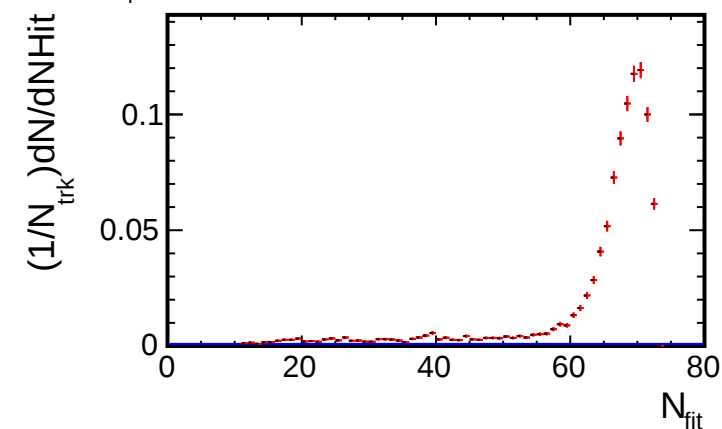
1.8, $4.5 < p_T < 5.0$ (GeV/c)



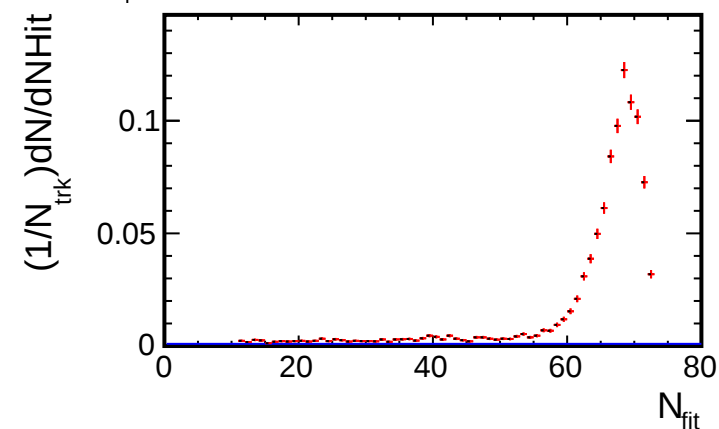
1.6, $4.5 < p_T < 5.0$ (GeV/c)



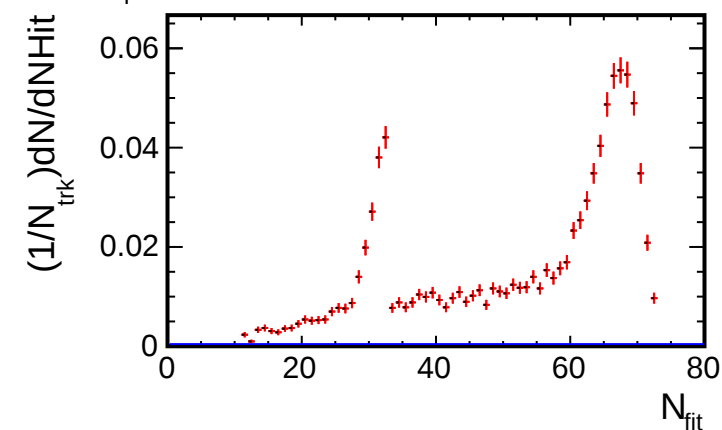
1.4, $4.5 < p_T < 5.0$ (GeV/c)



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

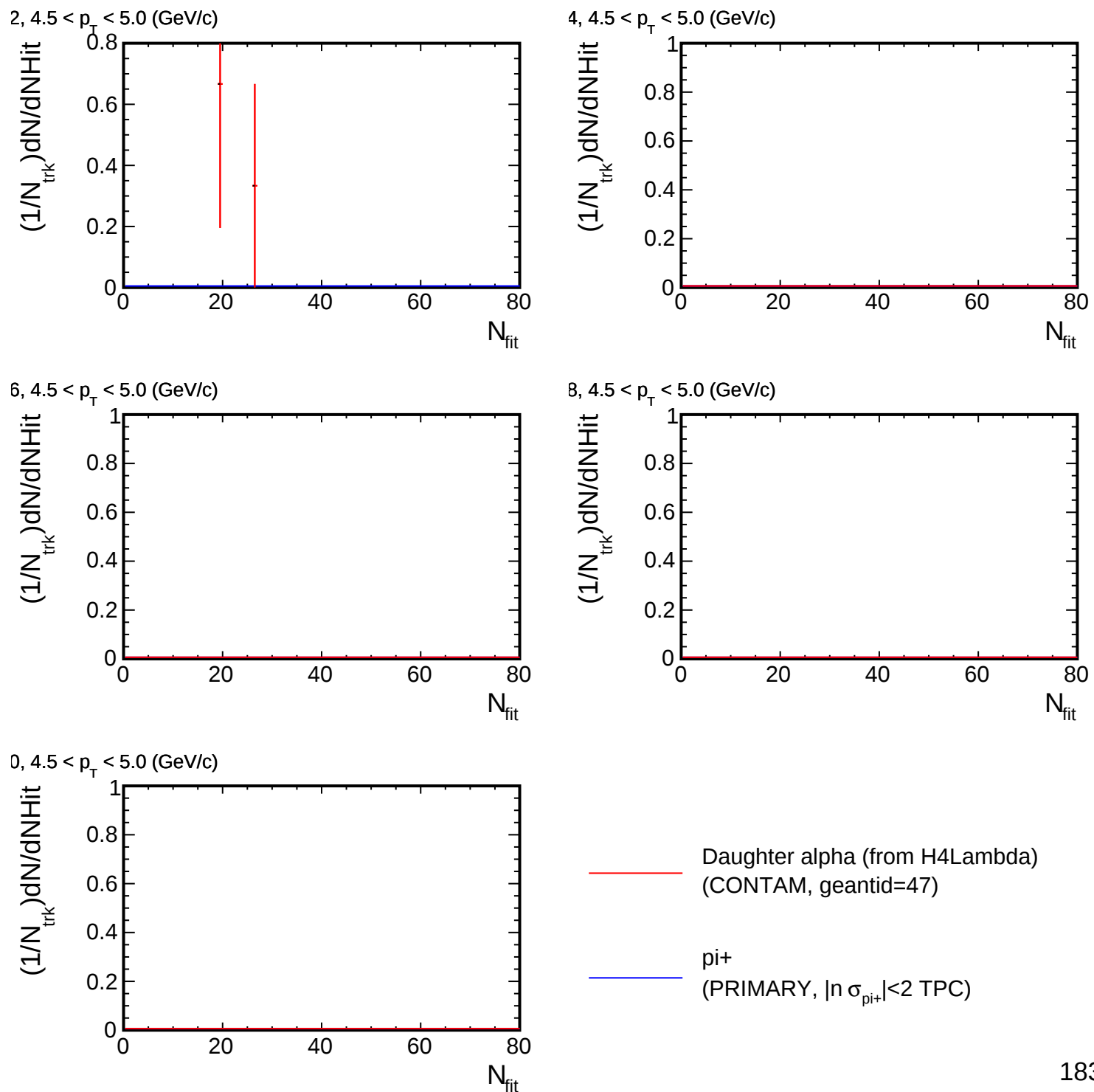


1.0, $4.5 < p_T < 5.0$ (GeV/c)



— Daughter alpha (from H4Lambda)
(CONTAM, geantid=47)

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

NHit distribution for (p_T , η) slices

End of QA