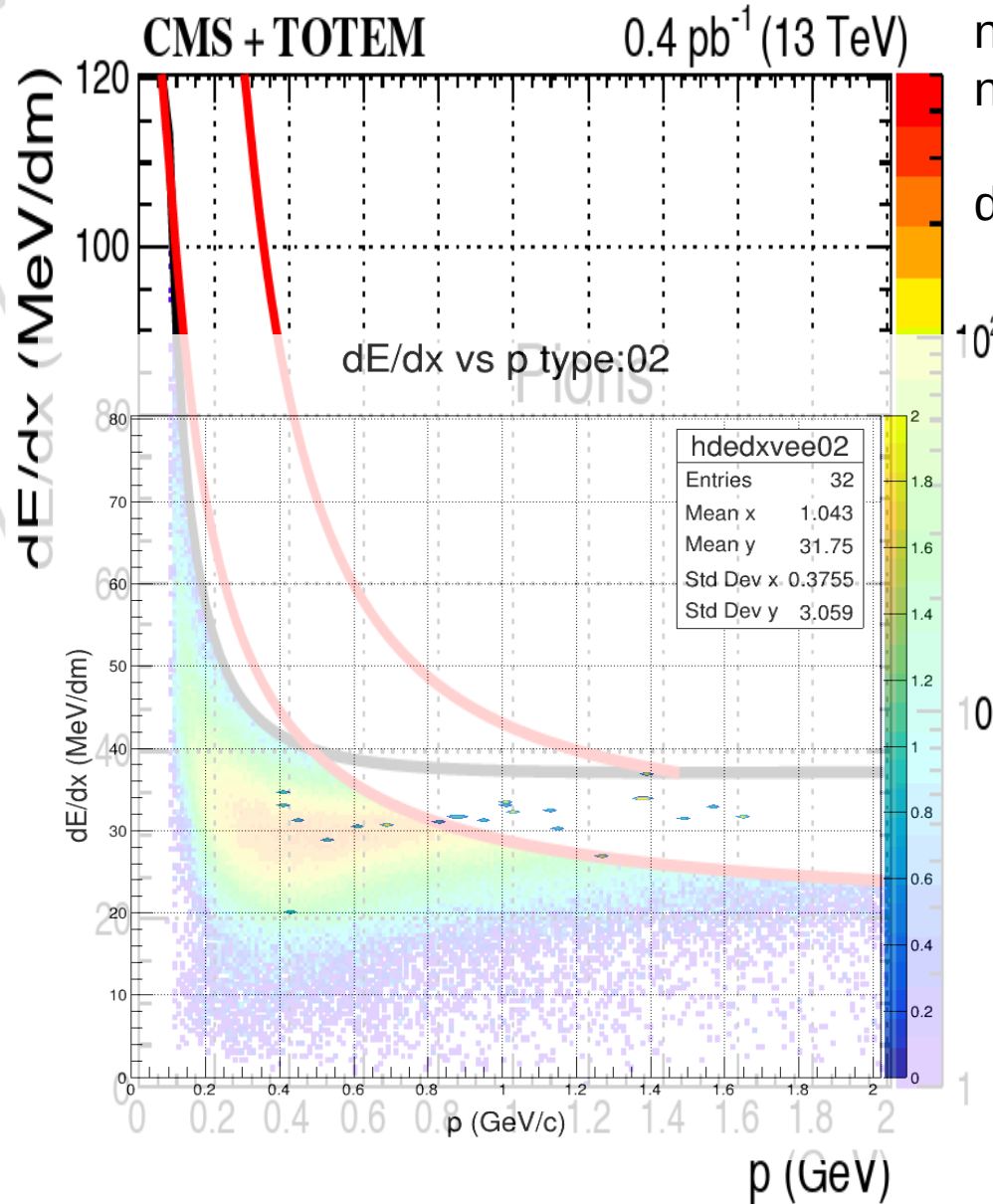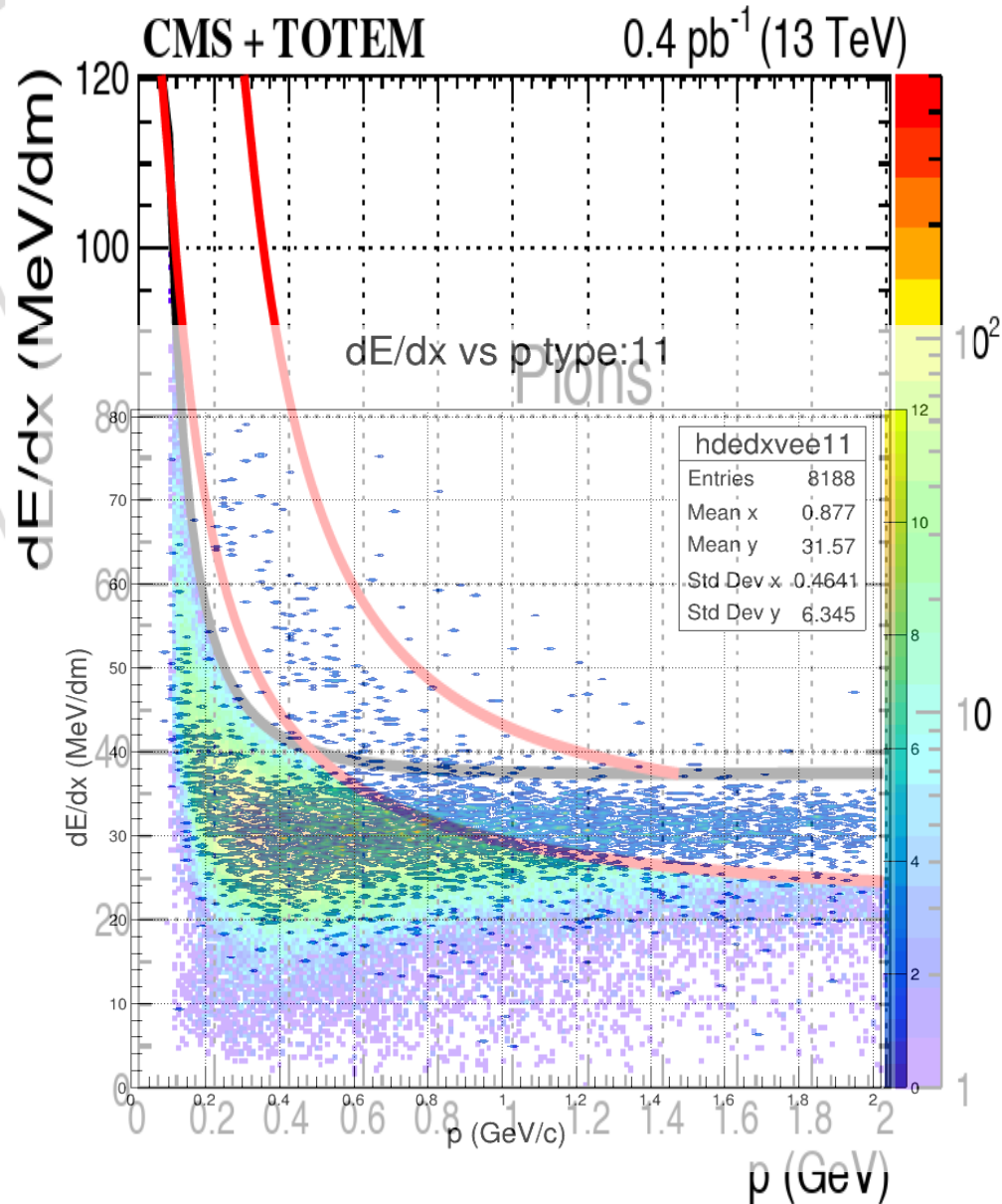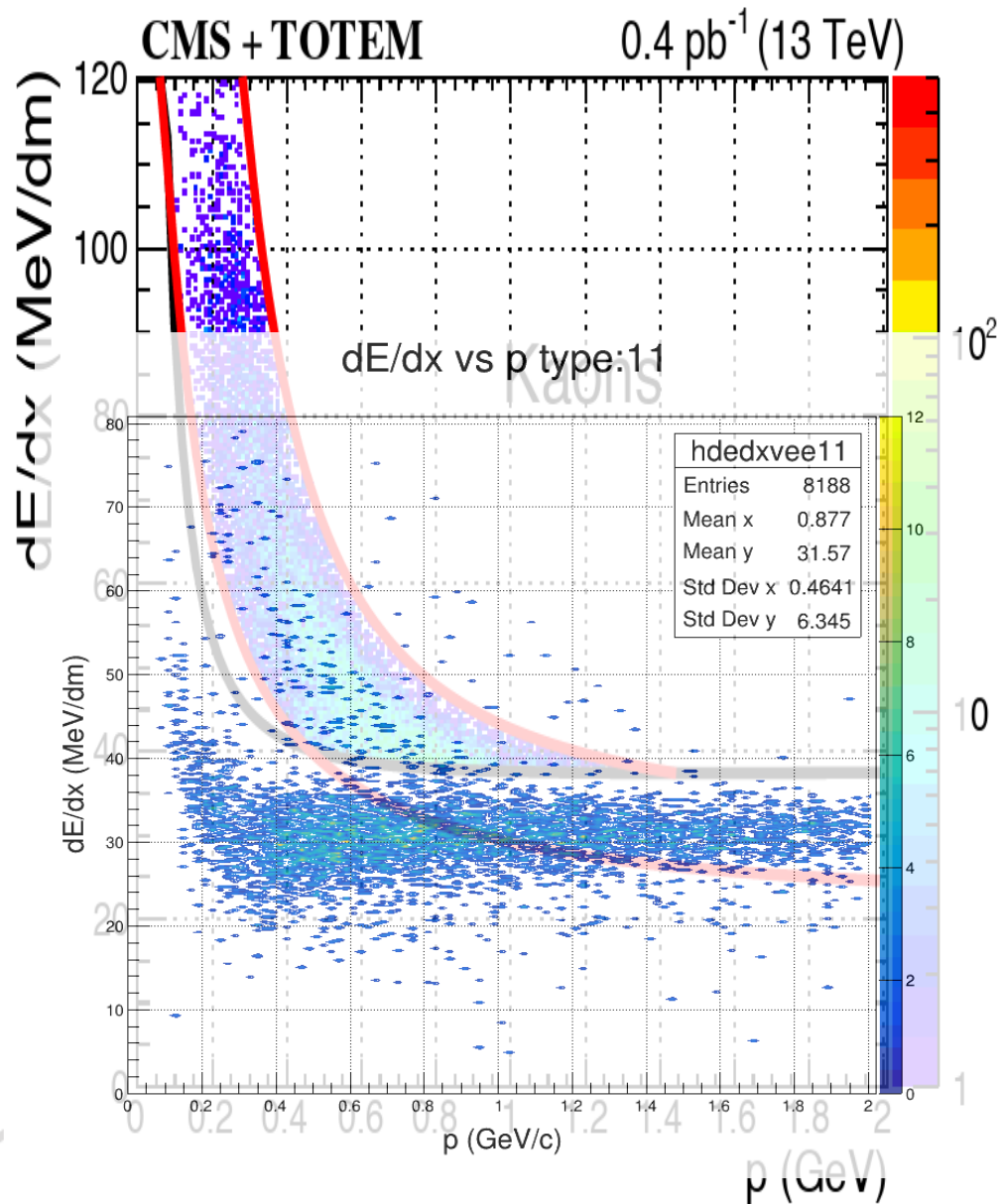AN2017-268-v4

entries = tracks , 4-track events
32 entries = 8 events , type:02 events
no primary & 2 Vees
negating Lambda events

dE/dx algorithm is killing the K0sK0s events

CMS + TOTEM   0.4 pb^{-1} (13 TeV)

dE/dx (MeV/dm)

dE/dx vs p type:02

Pions

hdedxvee02	
Entries	32
Mean x	1.043
Mean y	31.75
Std Dev x	0.3755
Std Dev y	3.059

dE/dx (MeV/dm)

p (GeV/c)

p (Gev)

1

AN2017-268-v4

entries = tracks   4-track events
8188 entries = 2047 events
type:11 events
1 primary & 1 Vee
negating Lambda events
dE/dx algorithm is rejecting most
of the K0sK* events

AN2017-268-v4

entries = tracks   4-track events
8188 entries = 2047 events
type:11 events 1 primary & 1 Vee
negating Lambda events
dE/dx algorithm is rejecting many
of the K0sK* events

3

$M_{K\pi}$ OS PID=kaon PID=pion

K*(892)

new algorithm

hm2rec2OSvee11	
Entries	95
Mean	0.9254
Std Dev	0.2008

# of Events/0.02GeV/c^2

$M_{K\pi}$ (GeV/c^2)