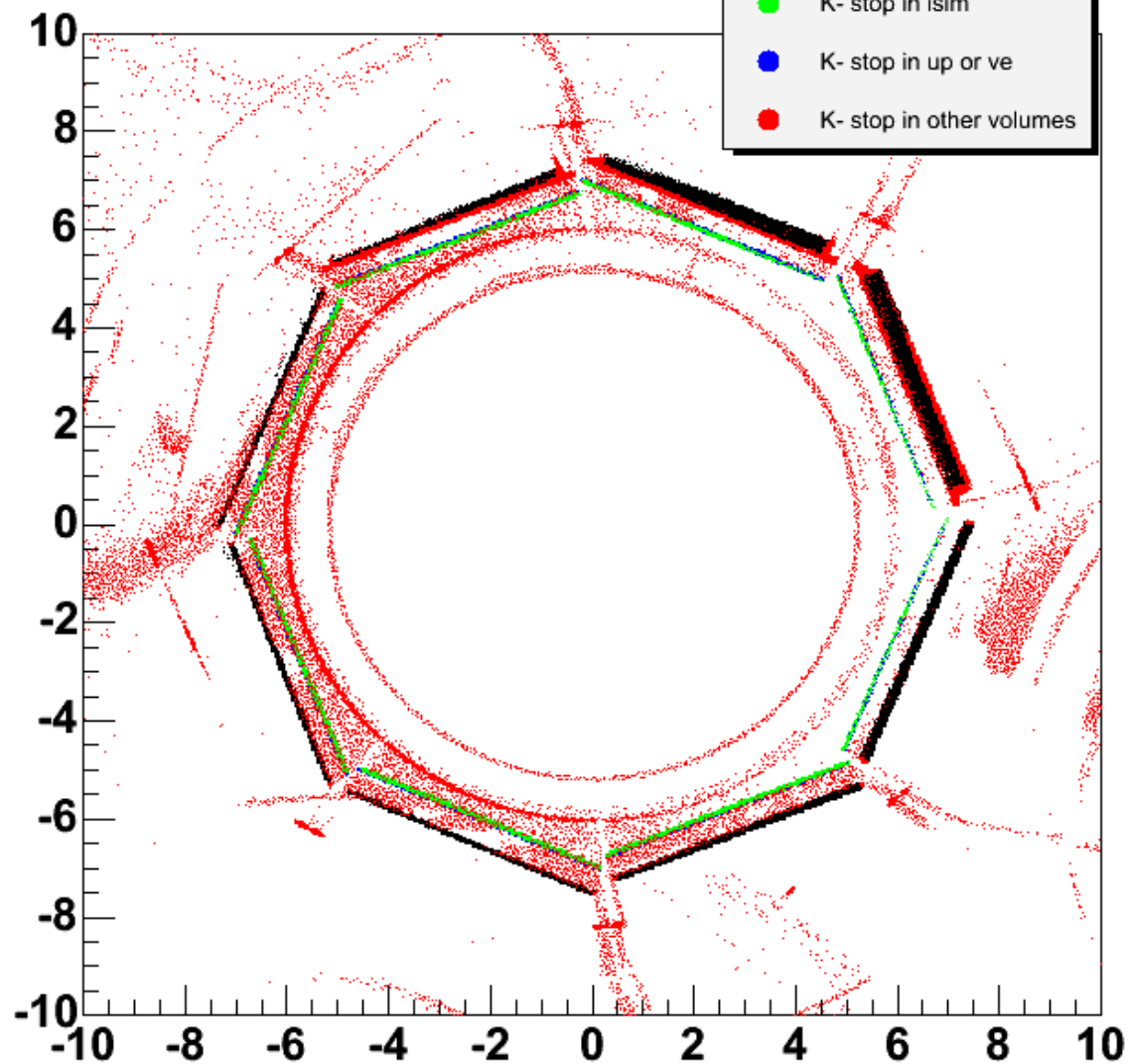


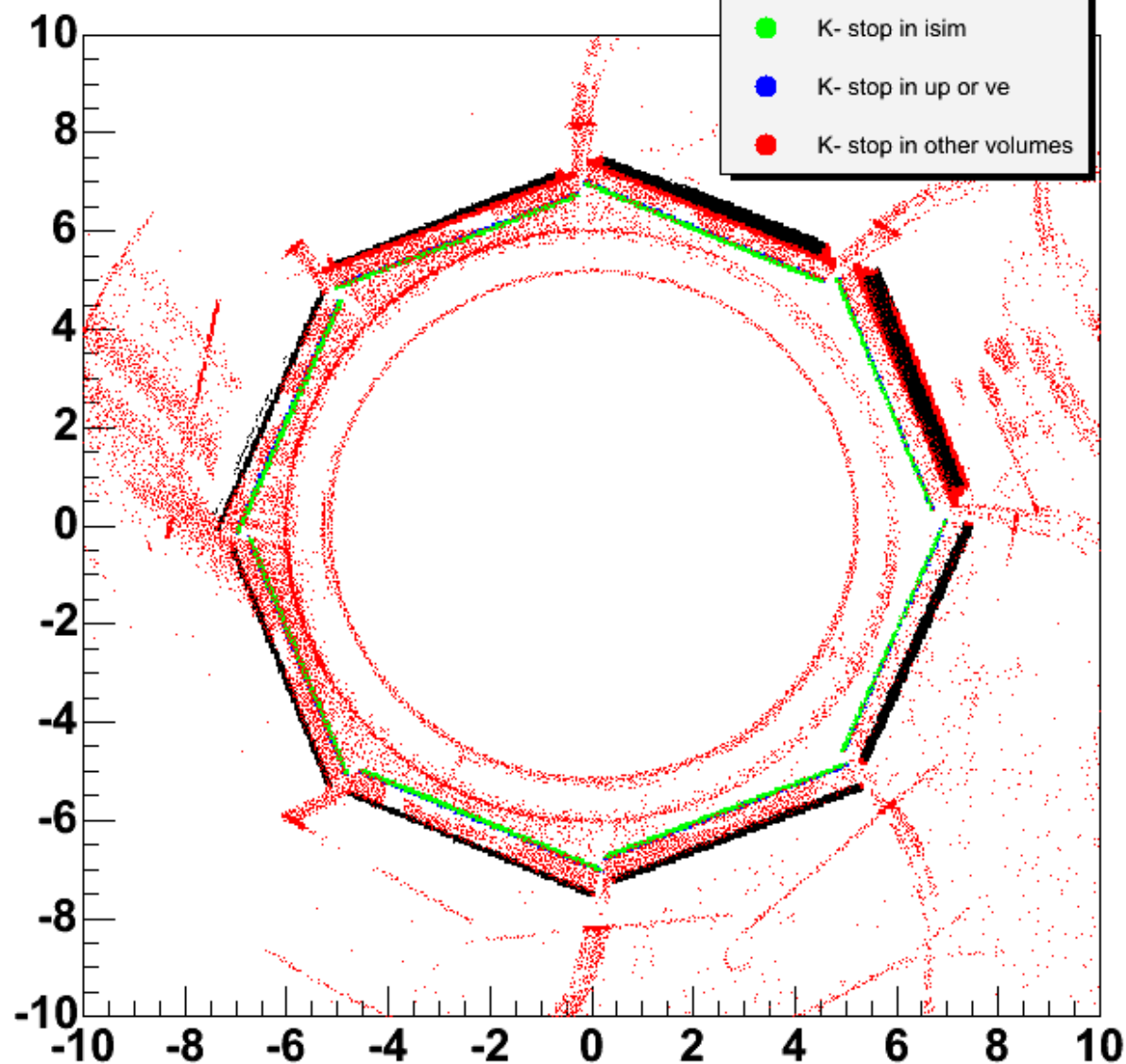
Improvements in FIDA Geometry & necessary changes in reconstruction- code & TEST Production results



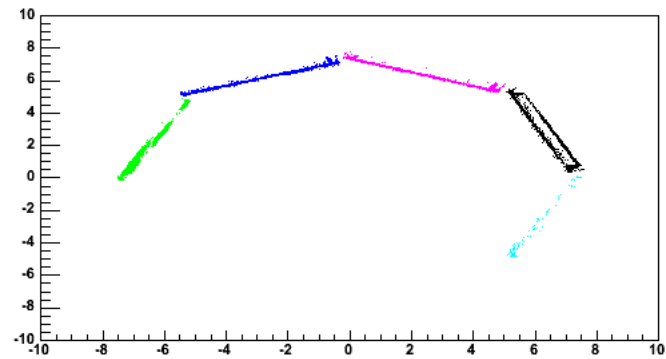
y vs x target



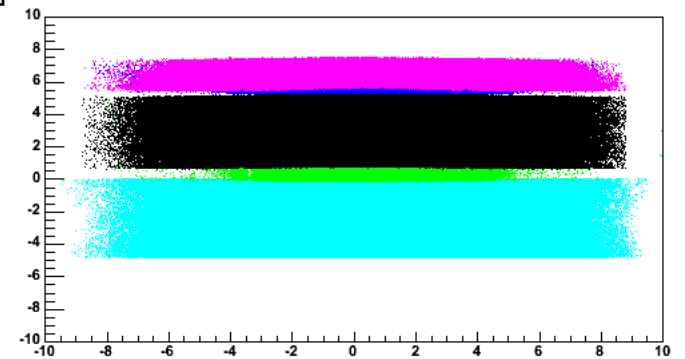
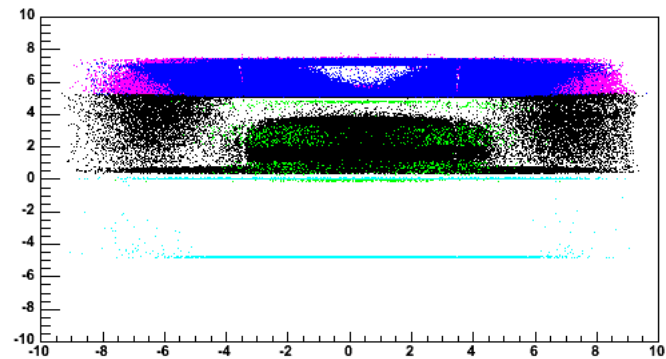
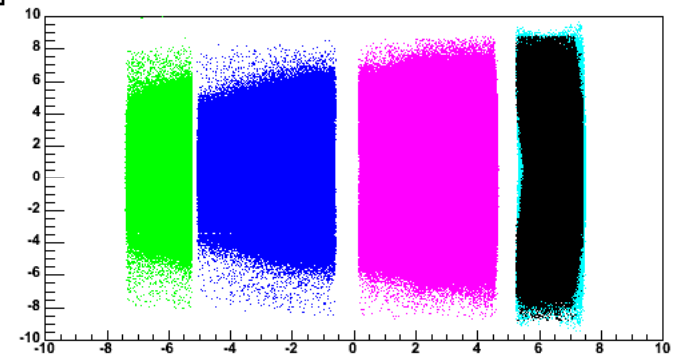
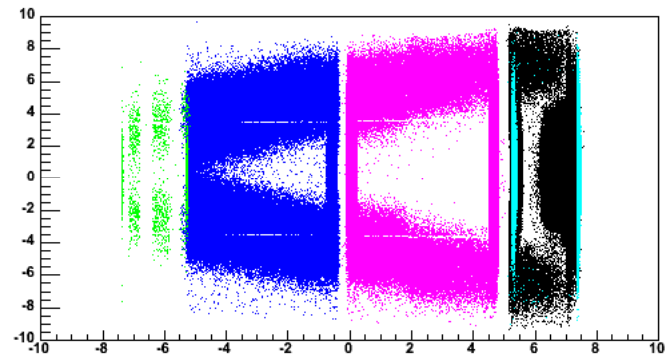
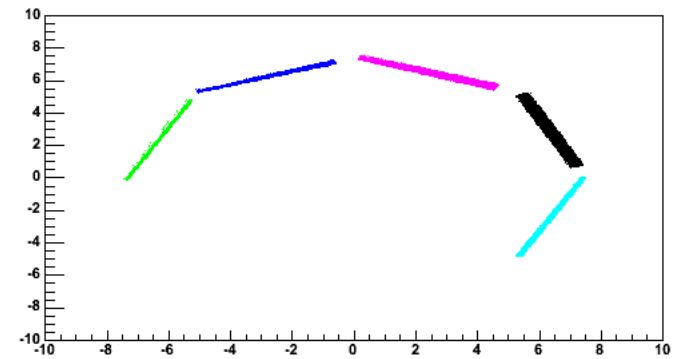
y vs x target



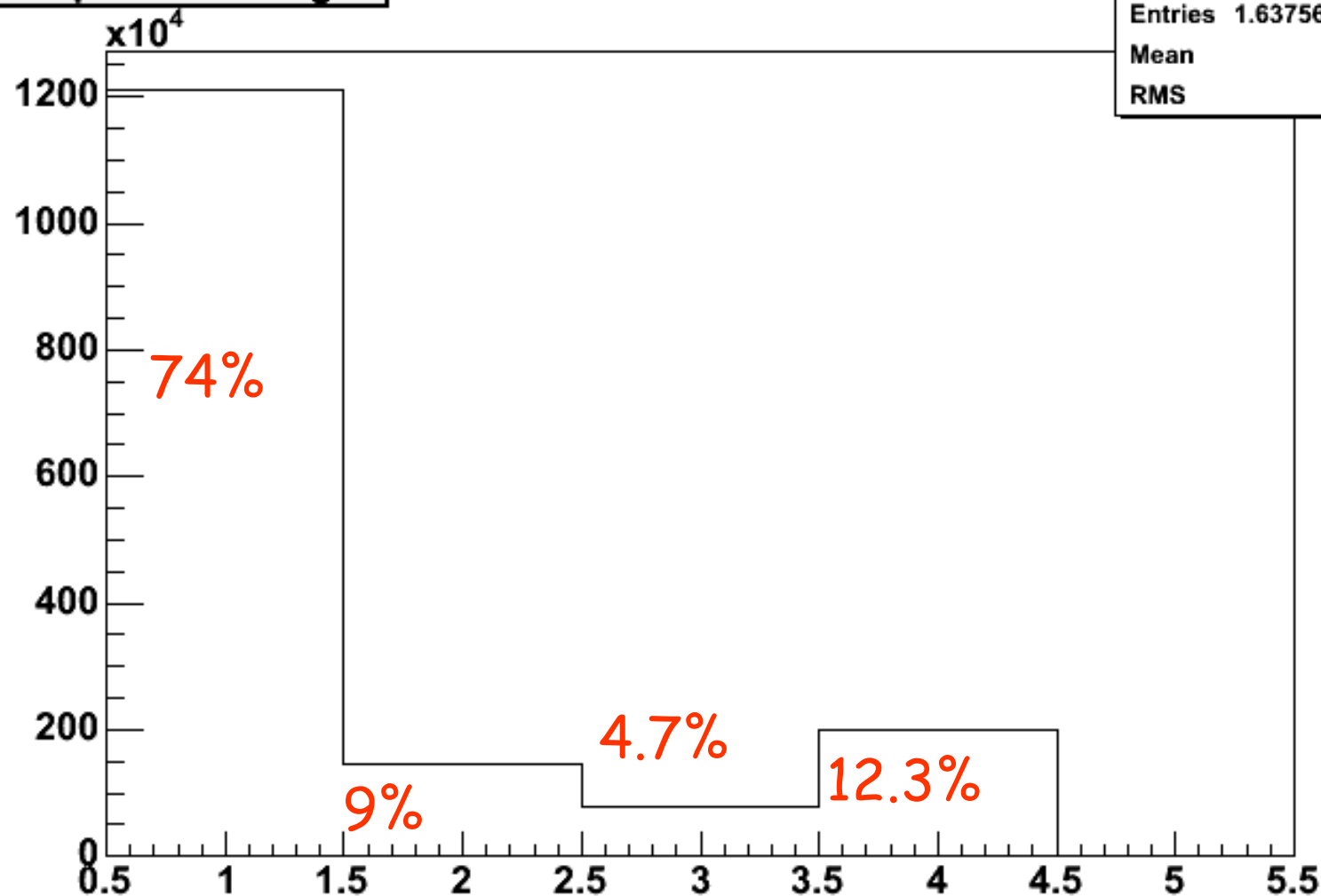
y vs x others in targ 4



y vs x target 4



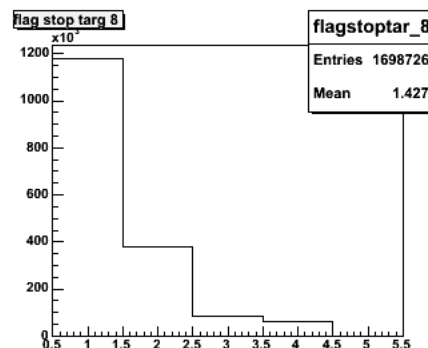
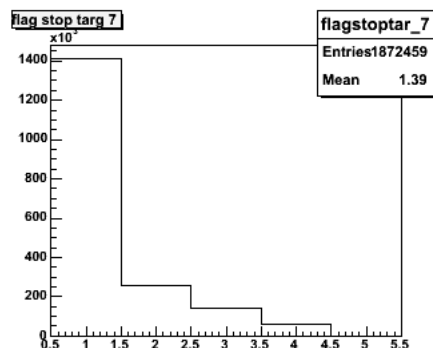
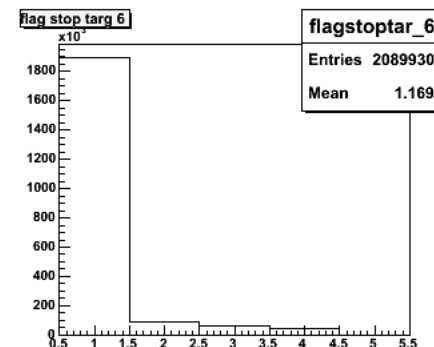
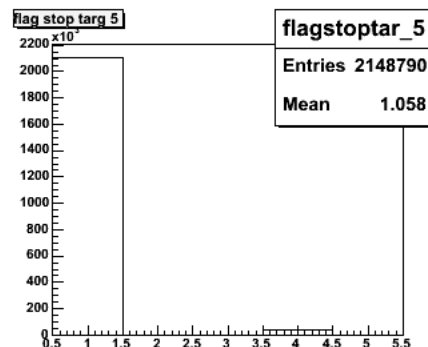
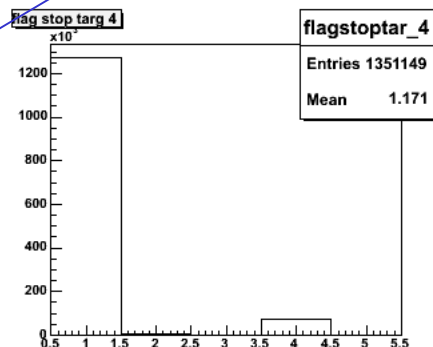
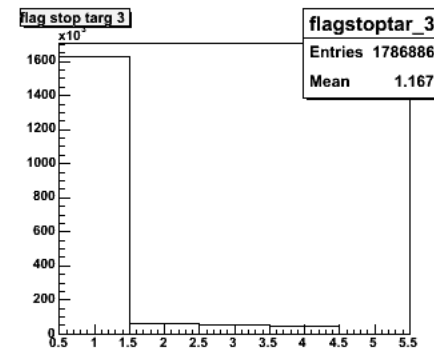
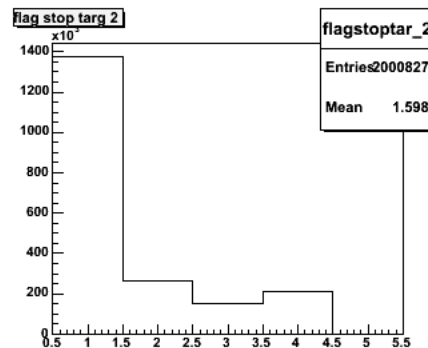
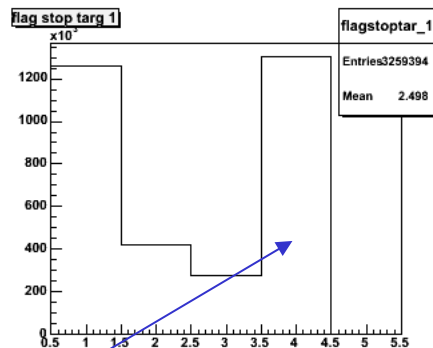
stop volume flag



flagstop

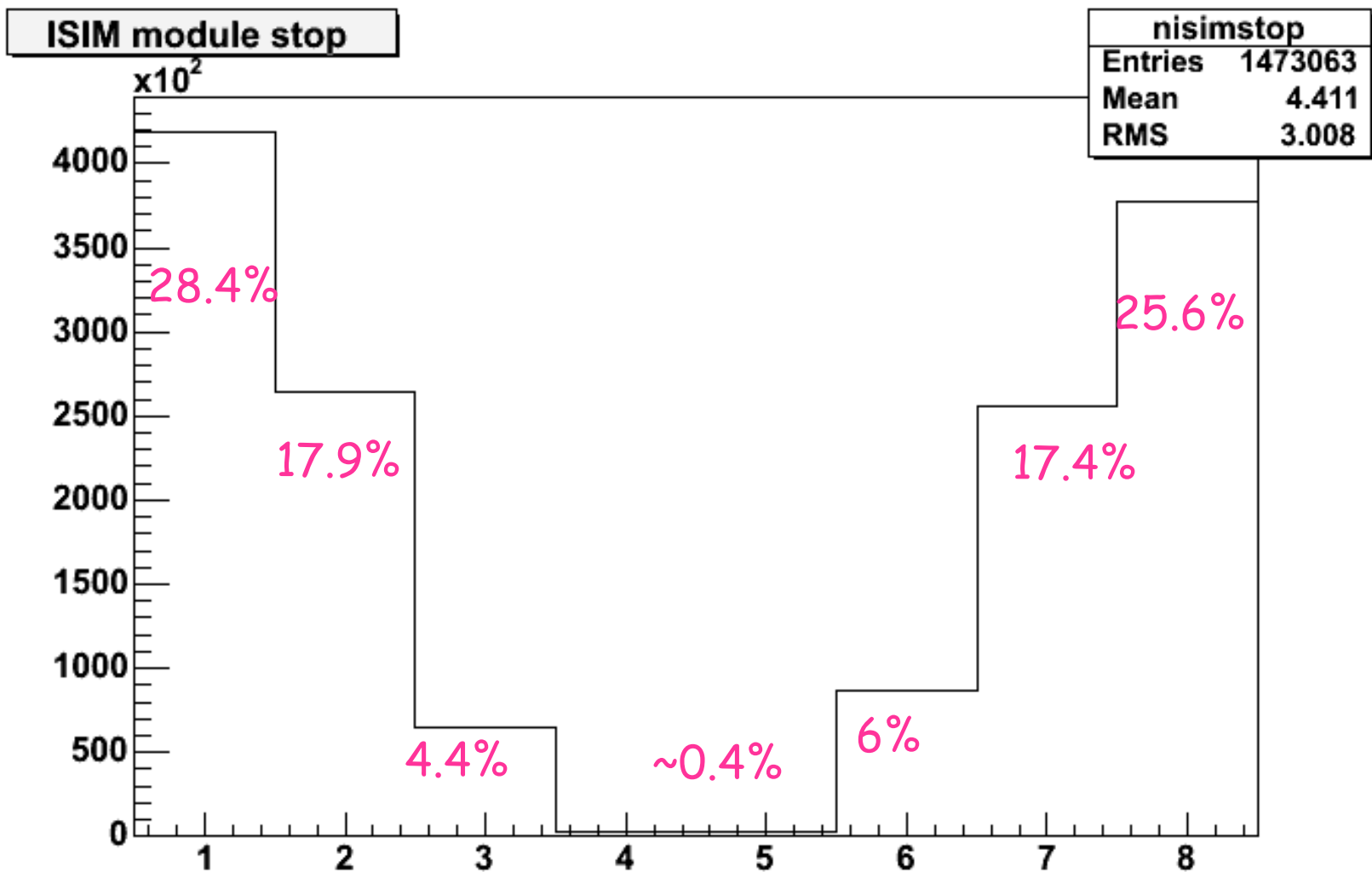
Entries	1.637565e+07
Mean	1.552
RMS	1.038

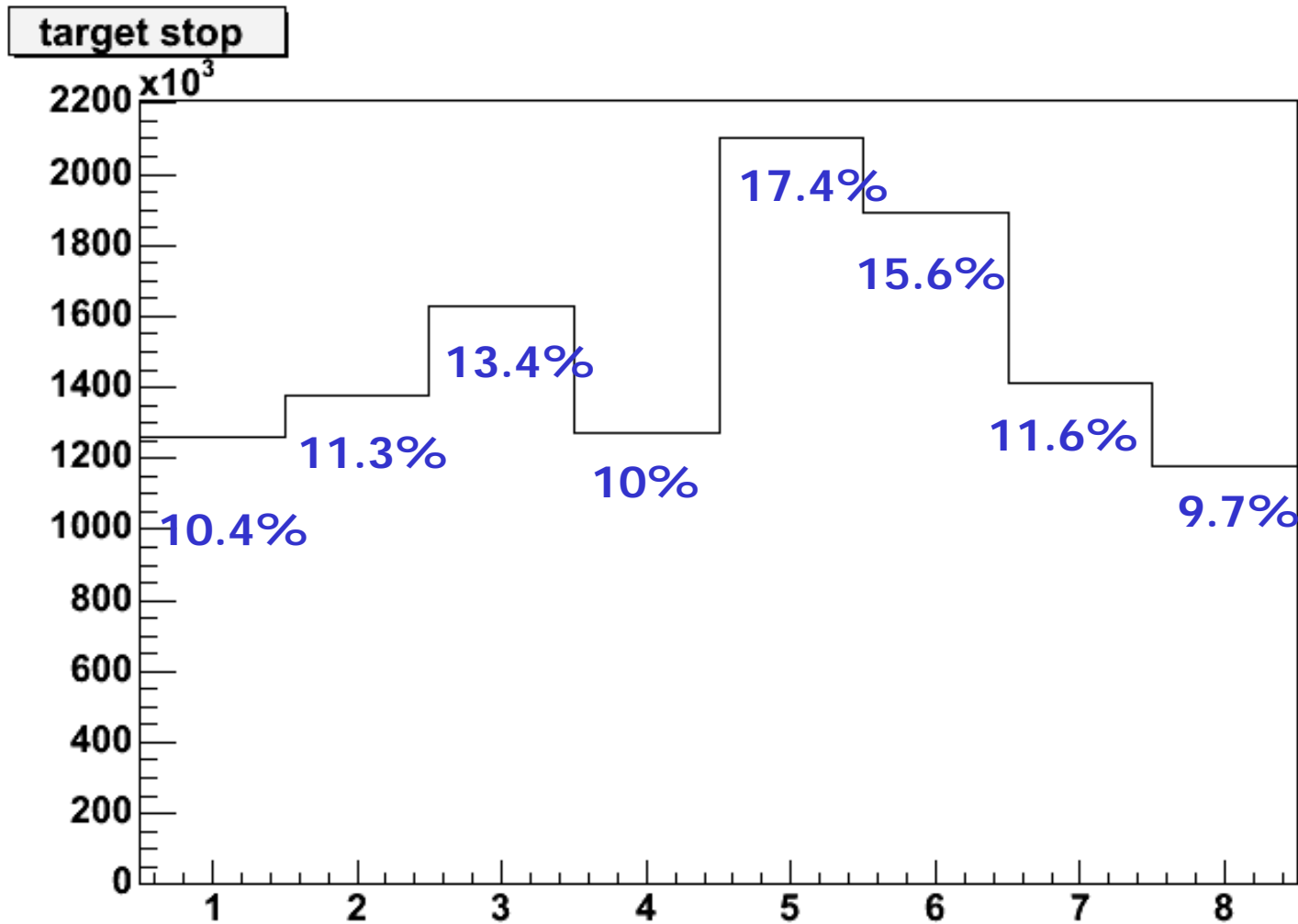




AIR MEDIUM
NUMBER == 1

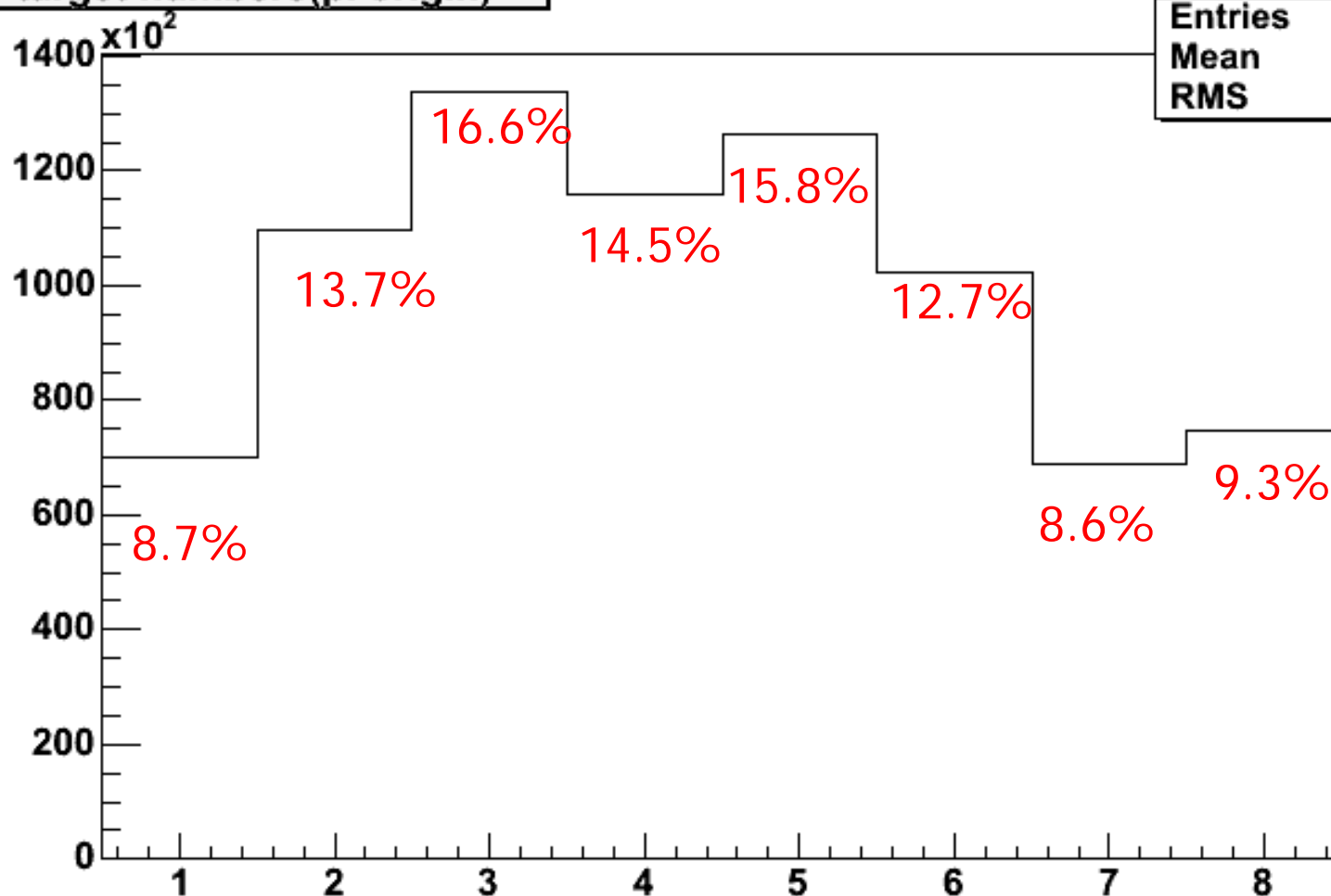




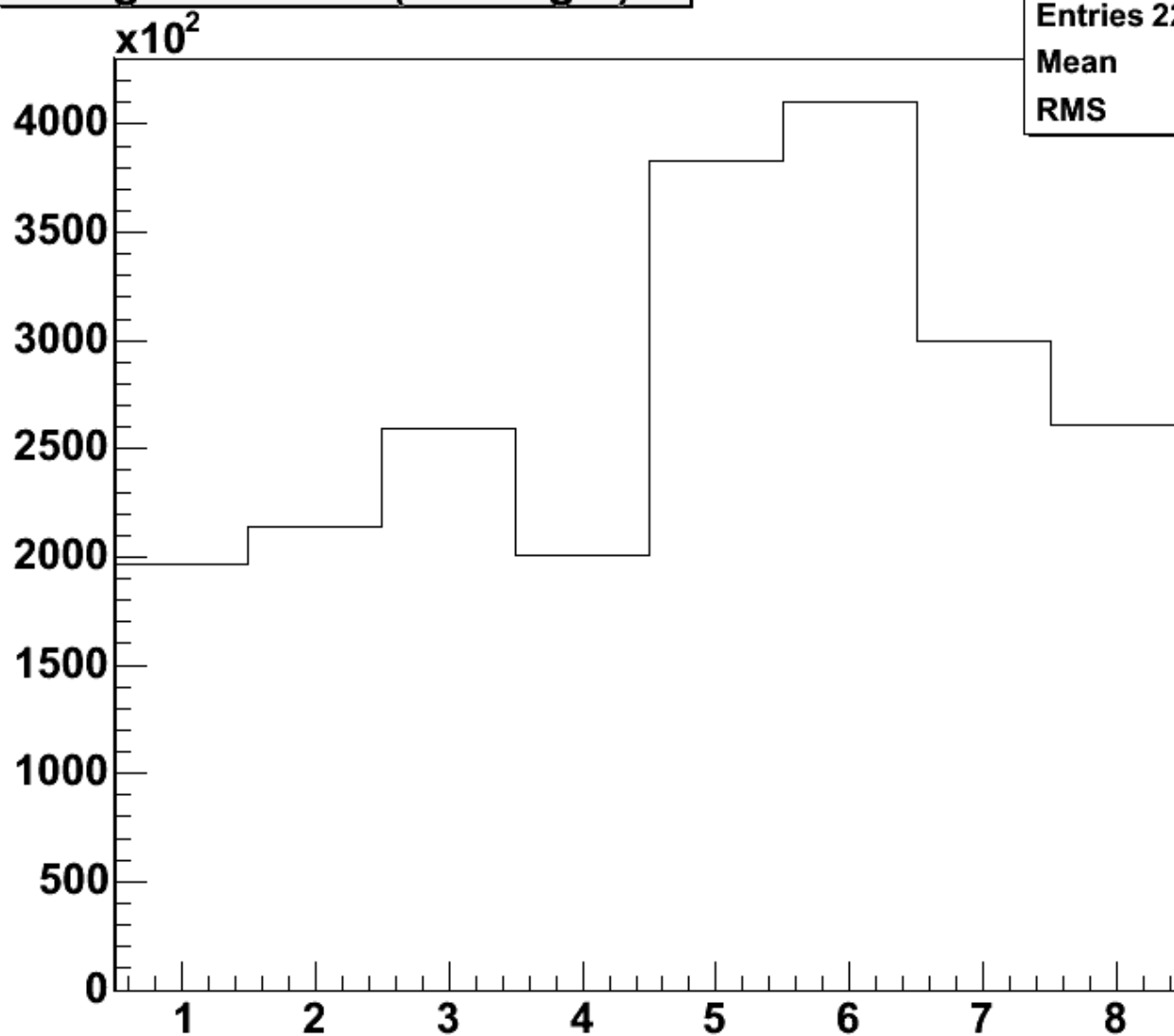


target numbers(pi origin)

poppi	
Entries	802195
Mean	4.34
RMS	2.077



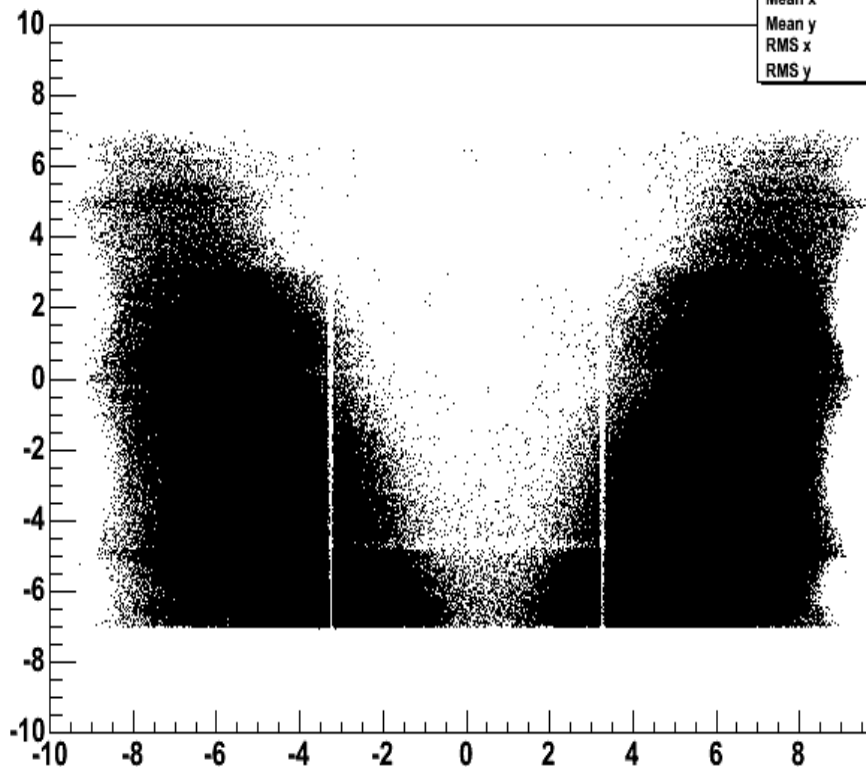
target numbers(mu origin)



popmu	
Entries	2224707
Mean	4.84
RMS	2.142



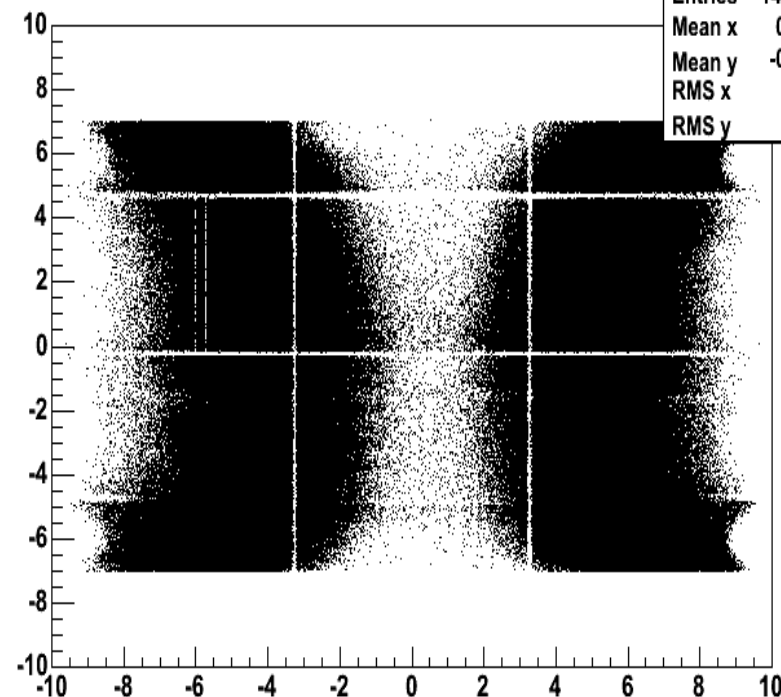
z vs x ISTOP==2



Back

Forward

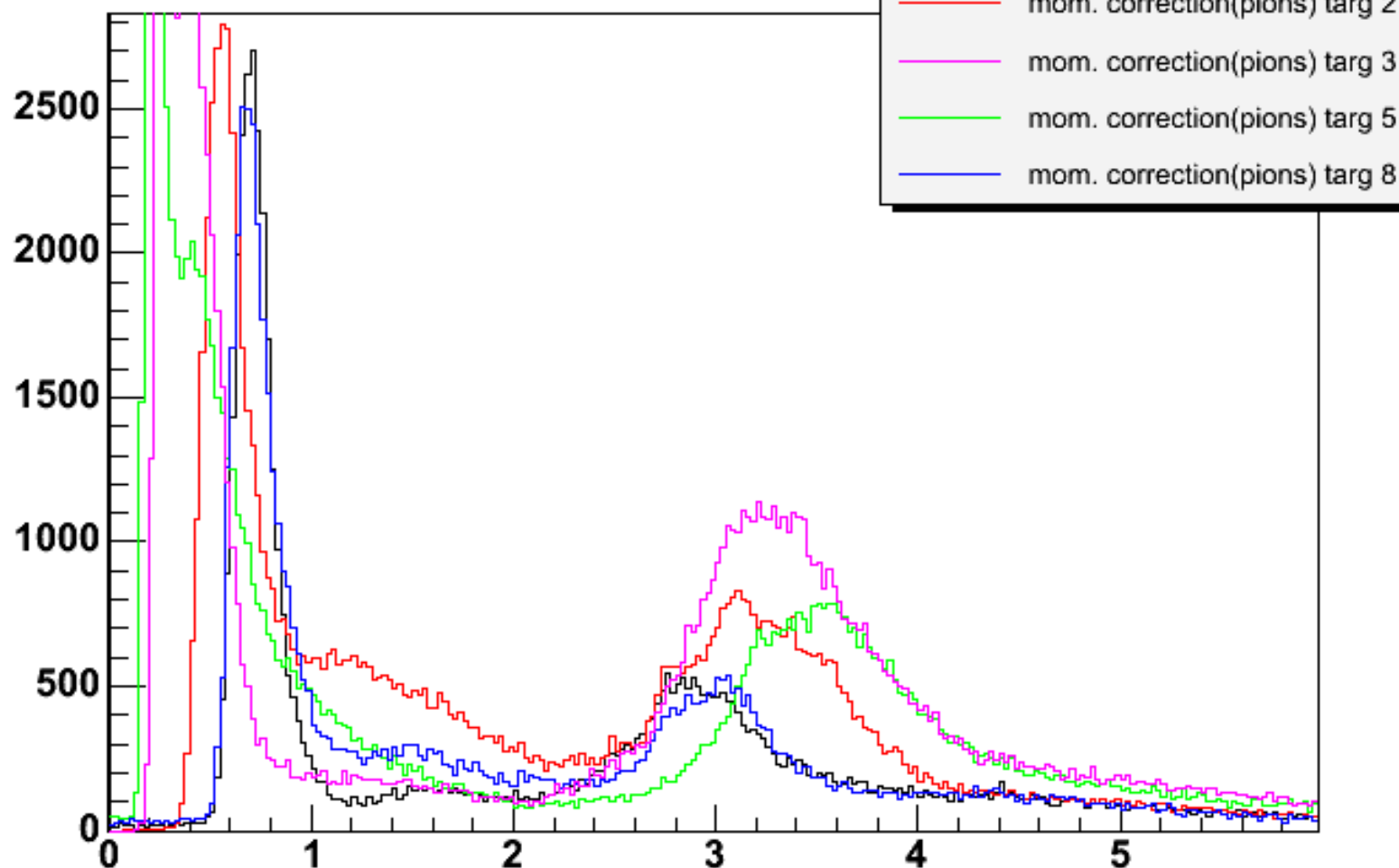
z vs y ISTOP==2

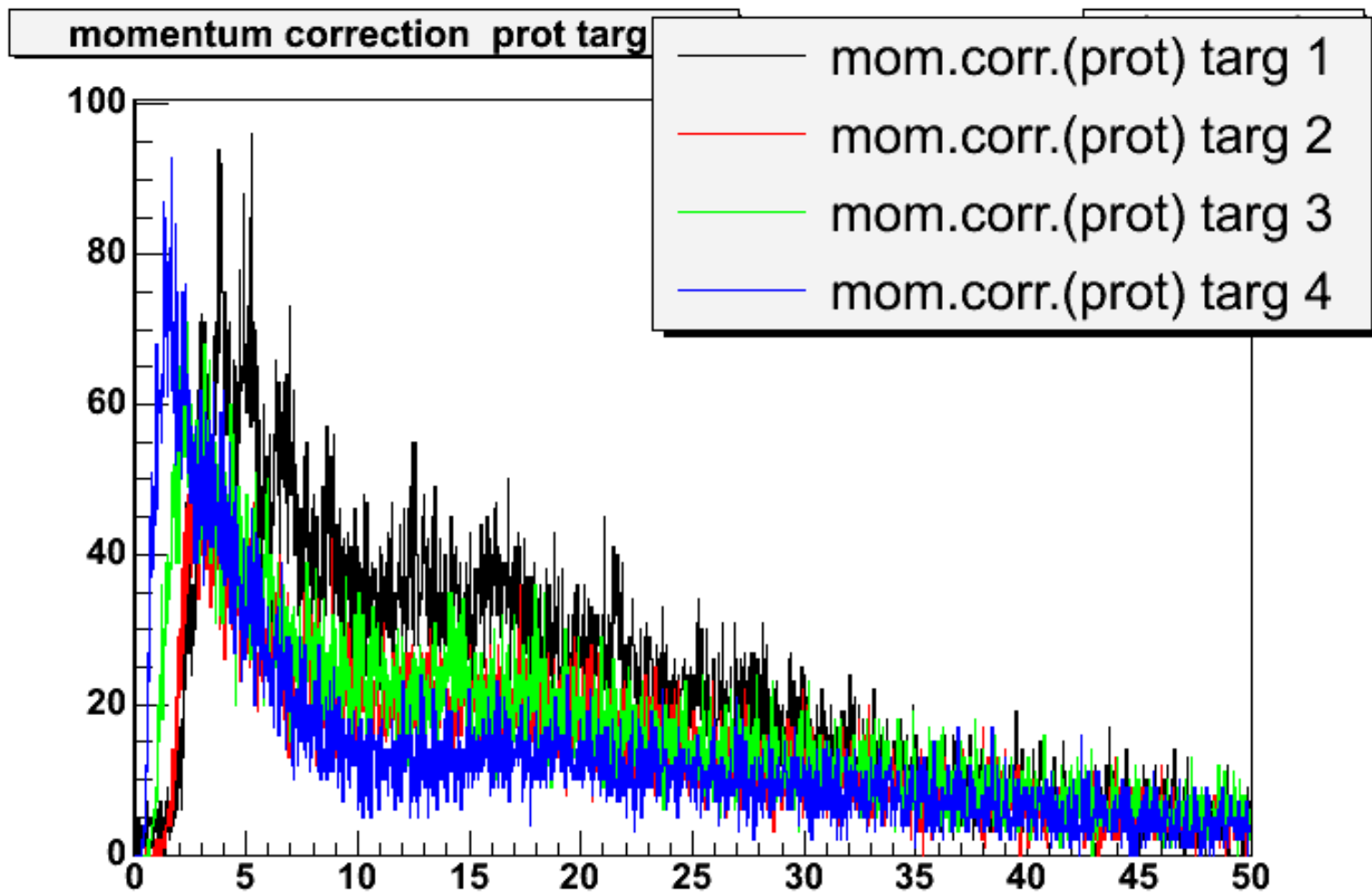


STOP in ISIM

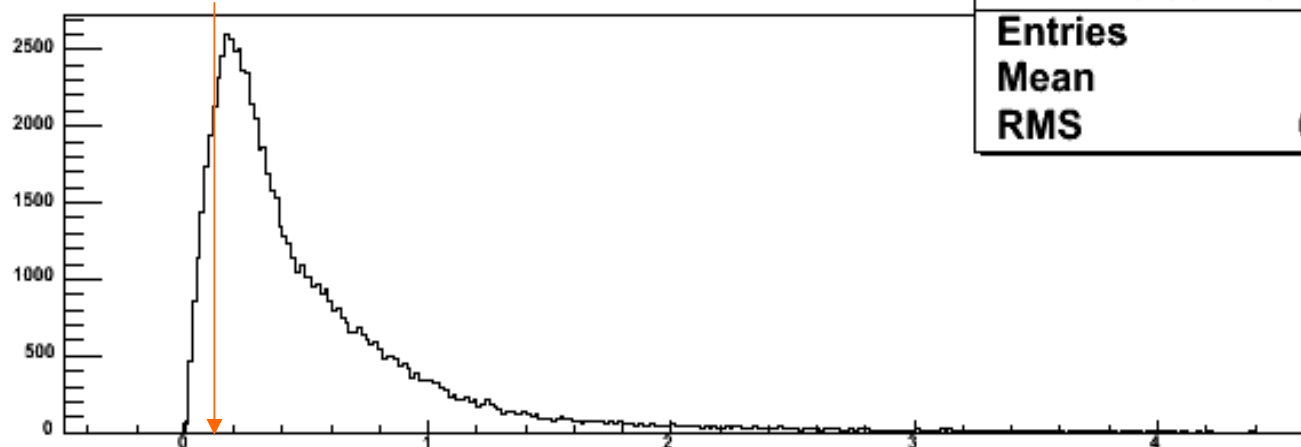


momentum correction pioni neg targ 1





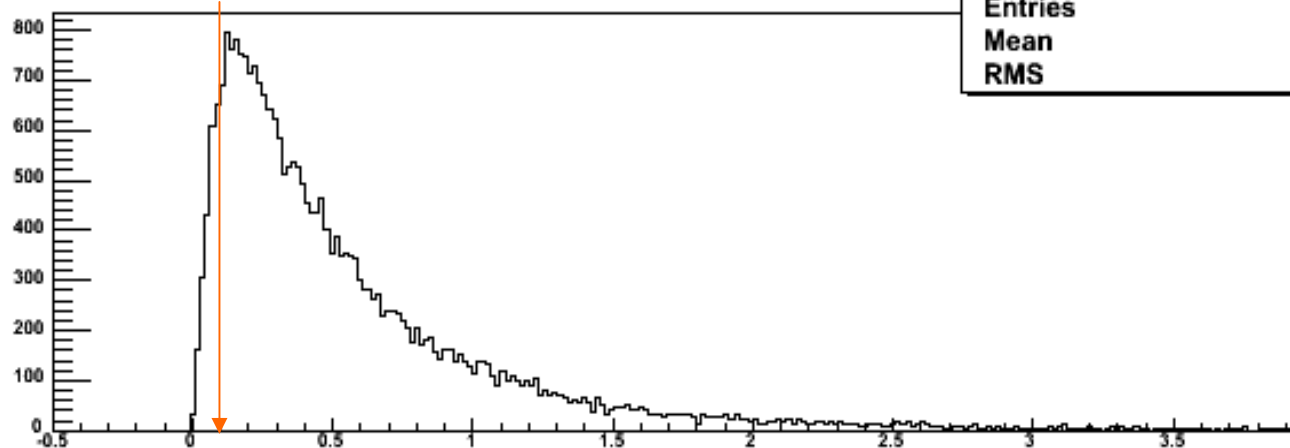
distance ext.point from vertex mu



disexmu

Entries	79733
Mean	0.534
RMS	0.5551

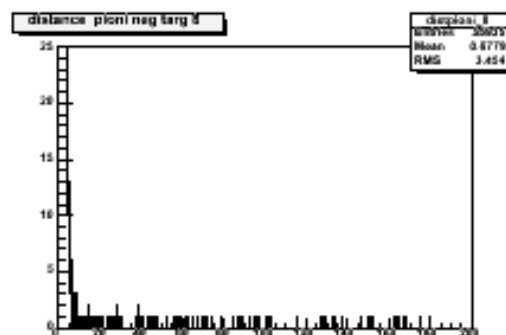
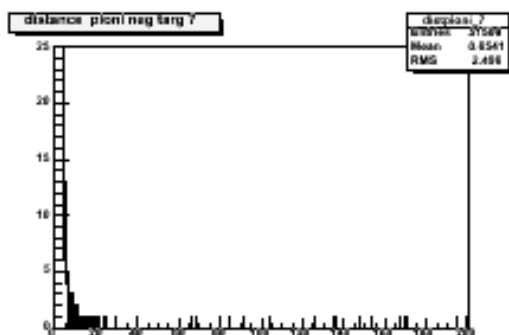
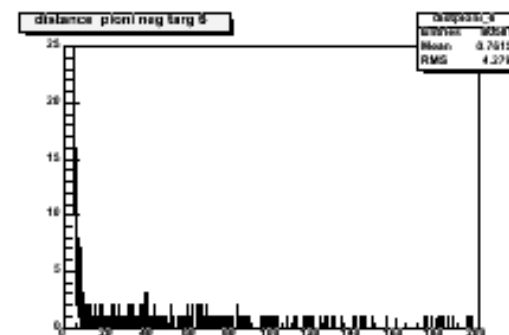
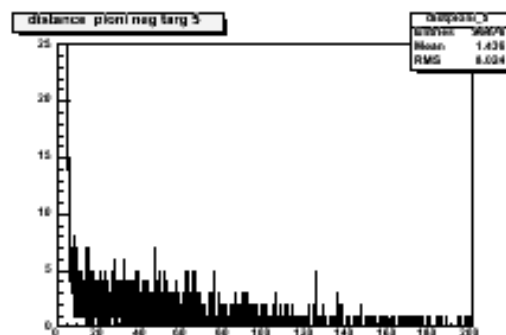
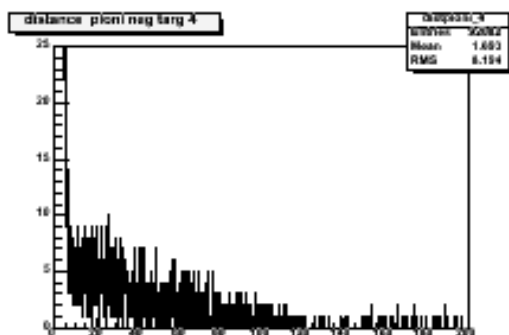
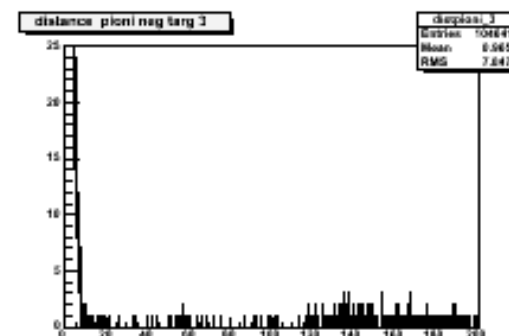
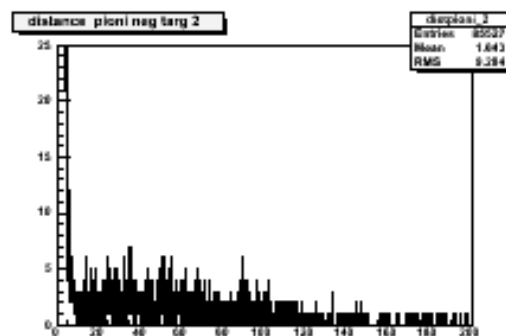
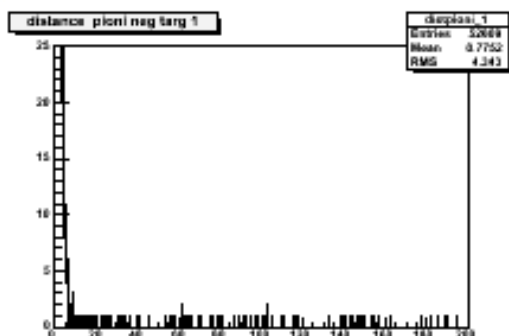
distance ext.point from vertex pi



disexpi

Entries	27925
Mean	0.5734
RMS	0.5628

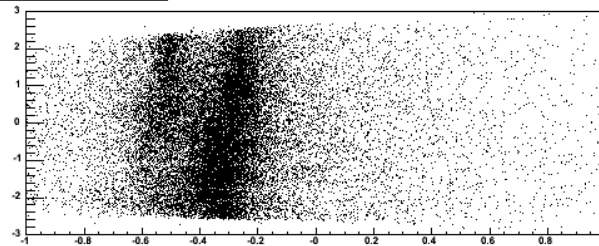




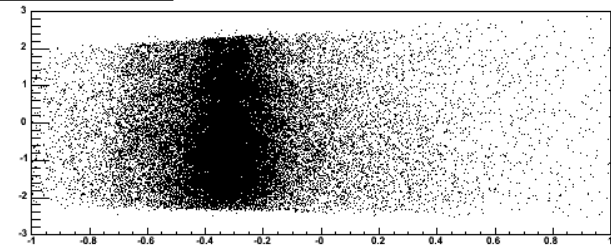
This problem can be easily solved(test prod. done using more controls):so we can reject this events with large distance requiring the extr.point is in target



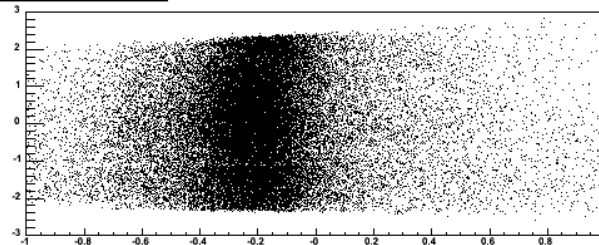
Rec x vs y K- in DRS for pions targ 1



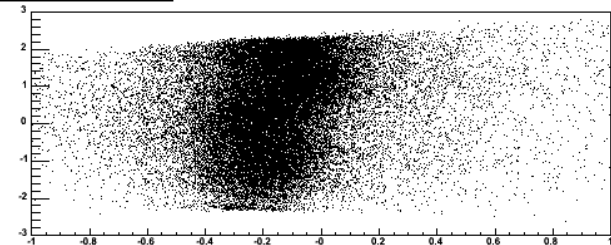
Rec x vs y K- in DRS for pions targ 2



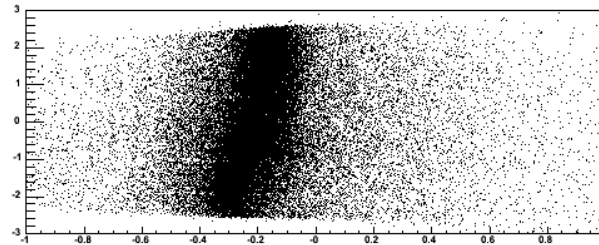
Rec x vs y K- in DRS for pions targ 3



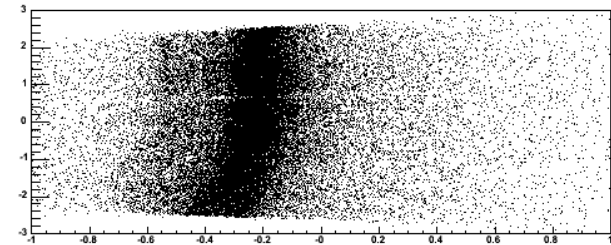
Rec x vs y K- in DRS for pions targ 4



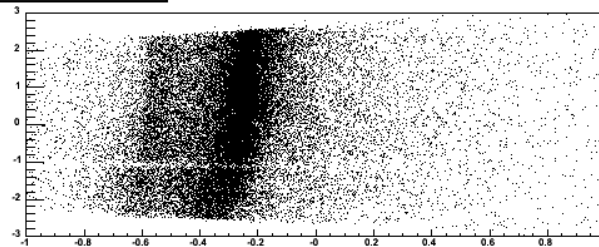
Rec x vs y K- in DRS for pions targ 5



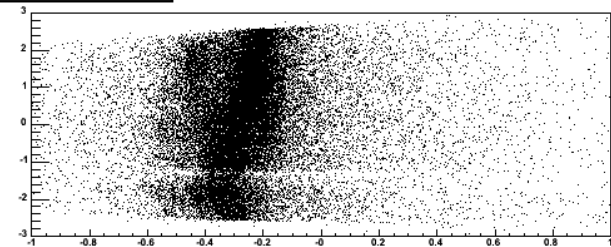
Rec x vs y K- in DRS for pions targ 6



Rec x vs y K- in DRS for pions targ 7



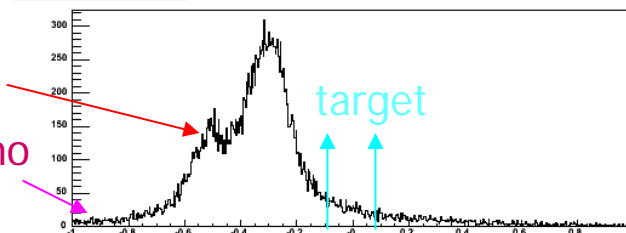
Rec x vs y K- in DRS for pions targ 8



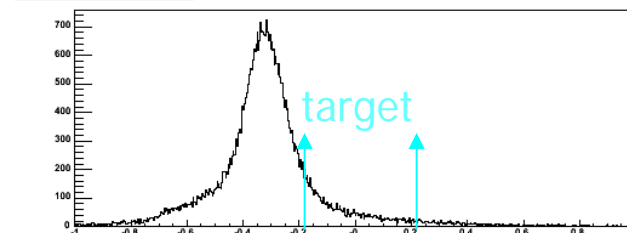
Isim

Tofino

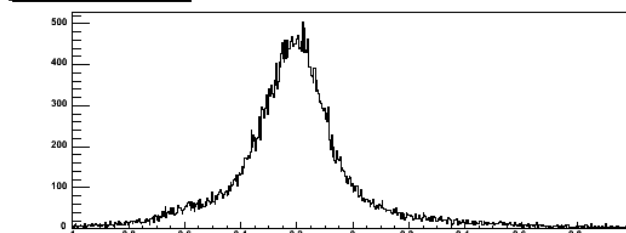
Rec x K- in DRS for pions targ 1



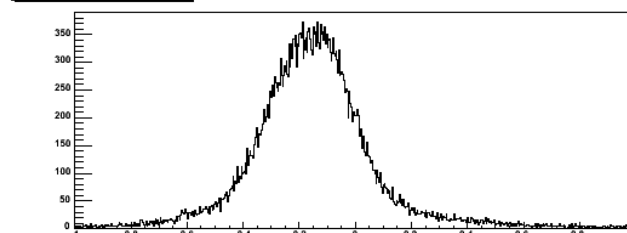
Rec x K- in DRS for pions targ 2



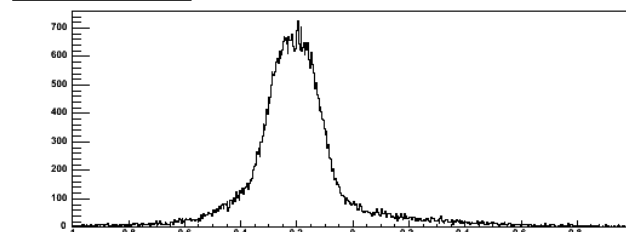
Rec x K- in DRS for pions targ 3



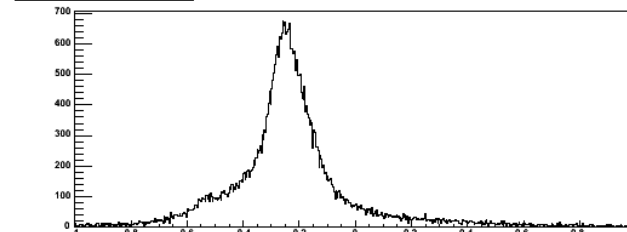
Rec x K- in DRS for pions targ 4



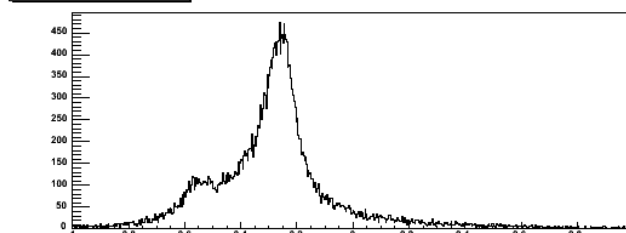
Rec x K- in DRS for pions targ 5



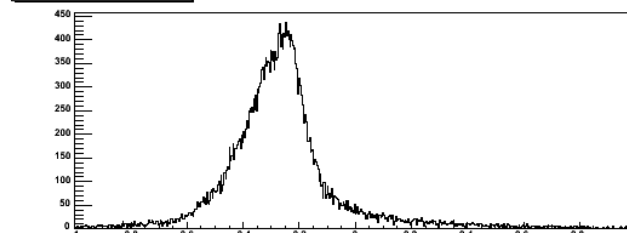
Rec x K- in DRS for pions targ 6



Rec x K- in DRS for pions targ 7



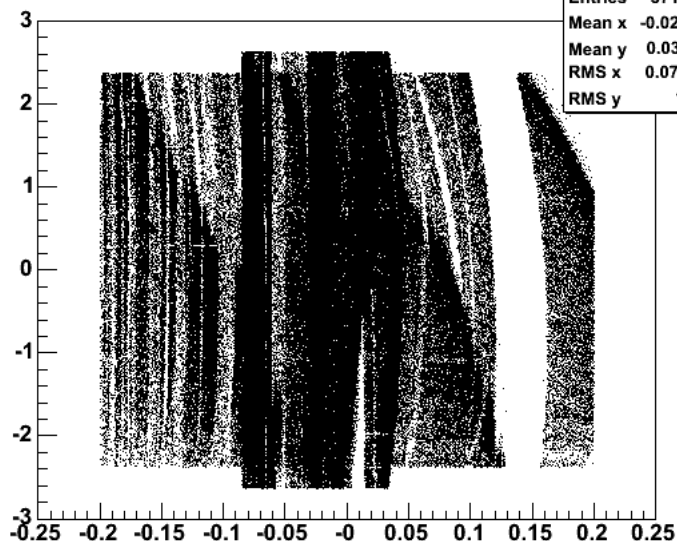
Rec x K- in DRS for pions targ 8



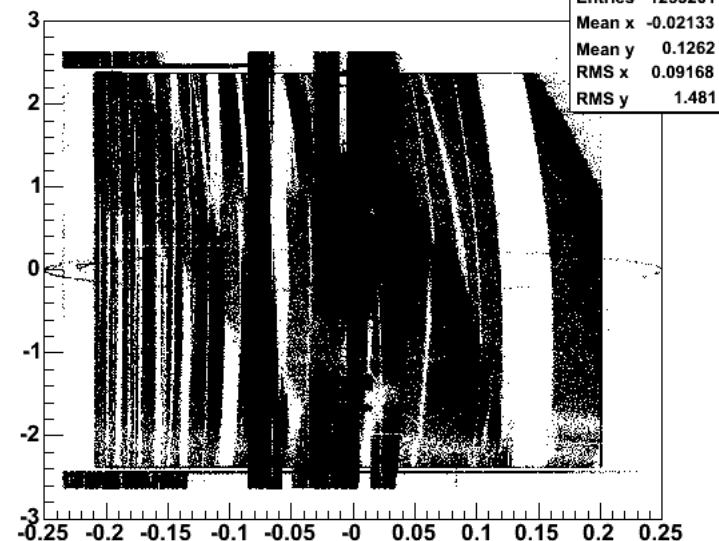
This quantity could be a quality estimator of the extrapolation



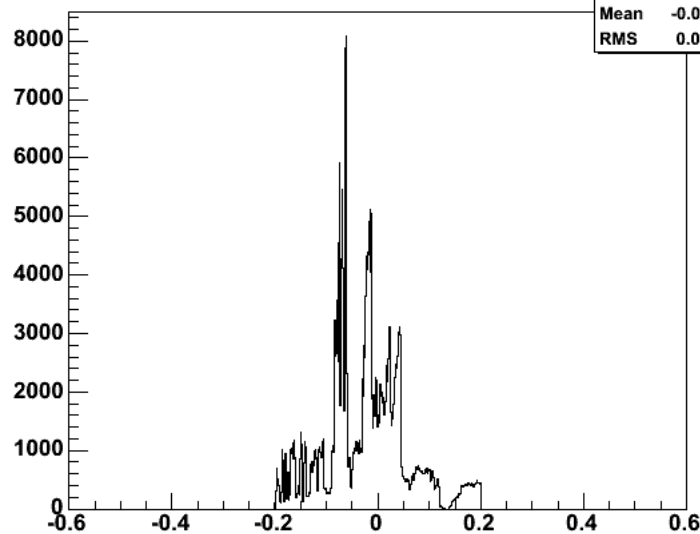
Km x vs y in DRS (pioni)



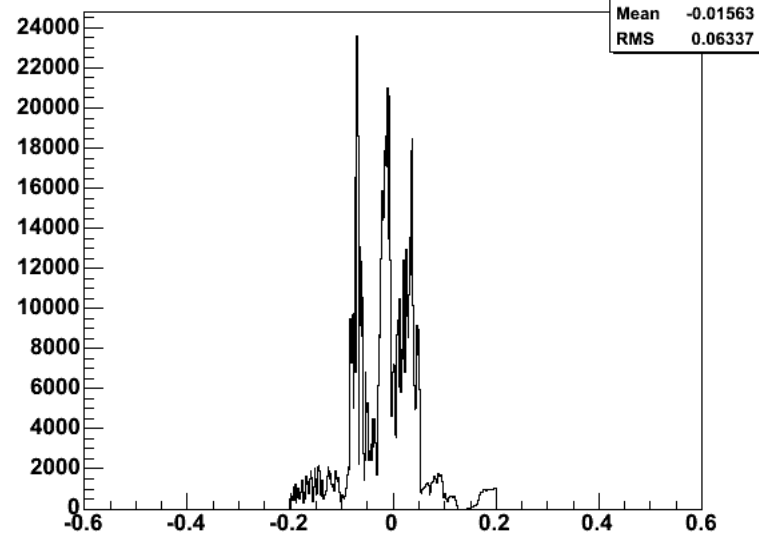
Kp x vs y in DRS (muoni)



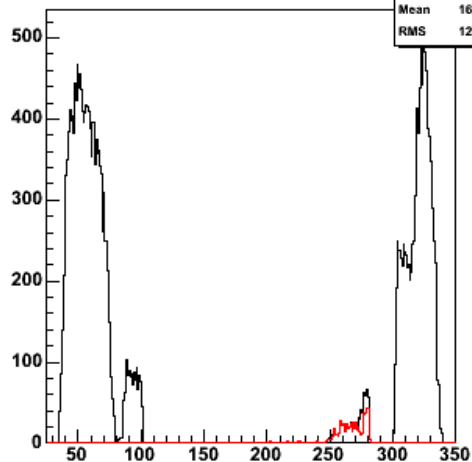
stop points Km x in DRS(all targets with forw tracks)



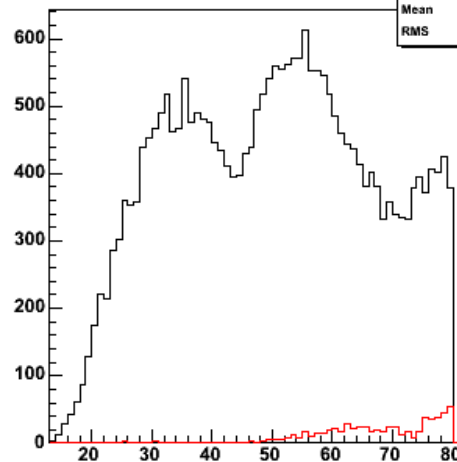
stop points Kp x in DRS(all targets with forw tracks)



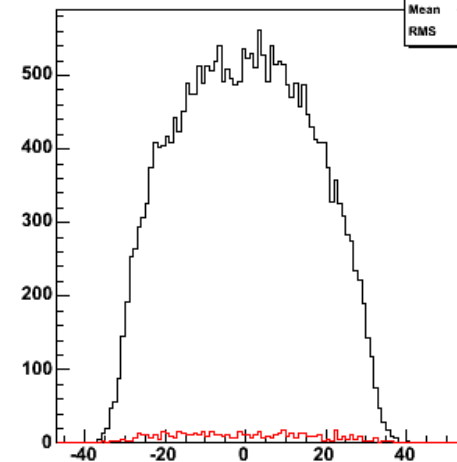
phi in targ 4



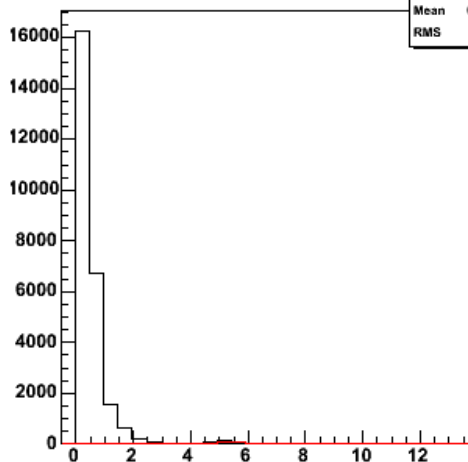
norm in targ 4



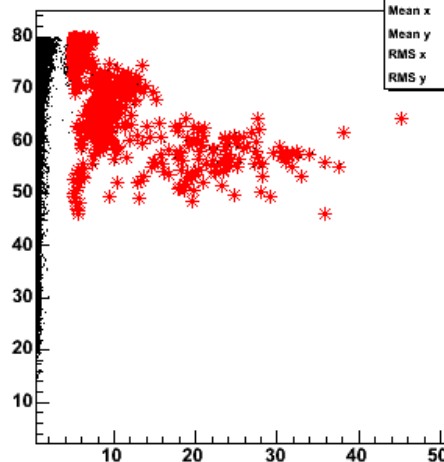
lamda in targ 4



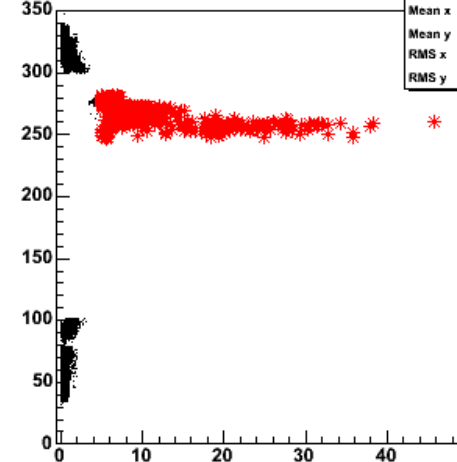
correction to momentum in targ 4



nor vs correction in targ 4



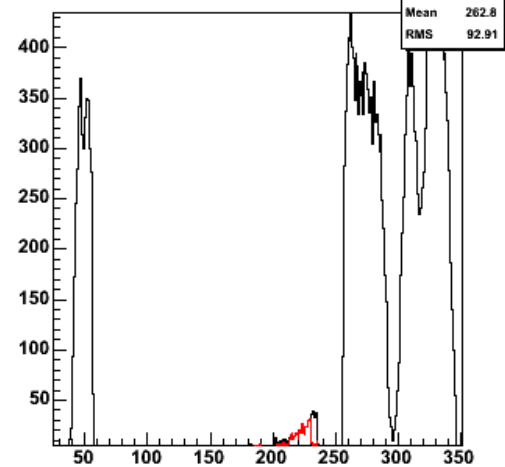
phi vs correction in targ 4



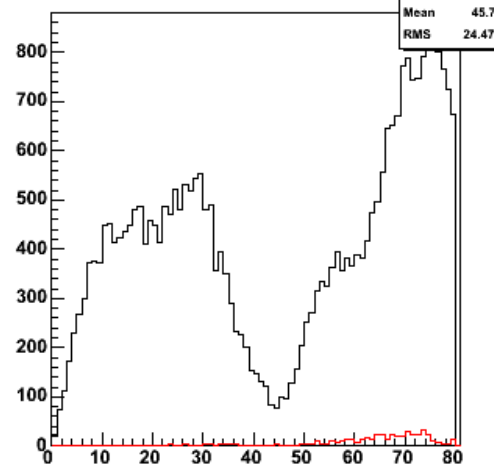
This problem is solved in test2-prod



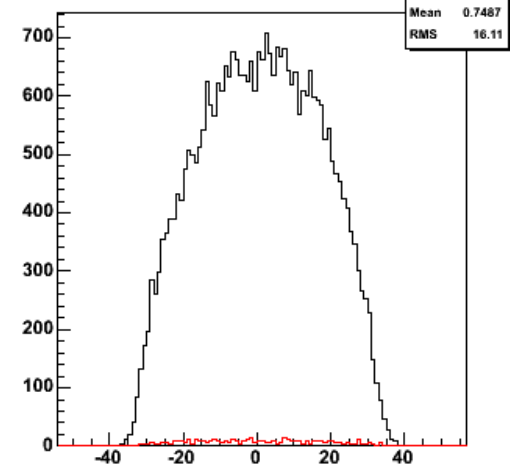
phi in targ 5



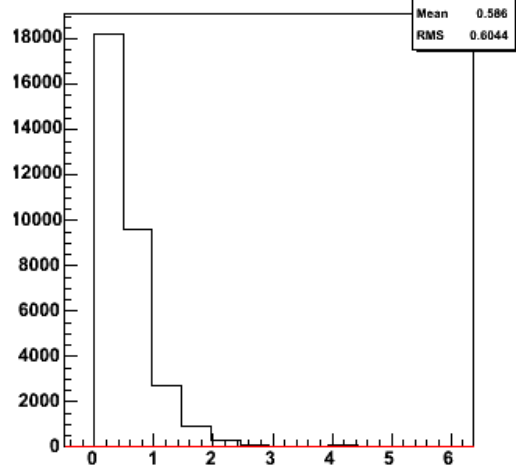
norm in targ 5



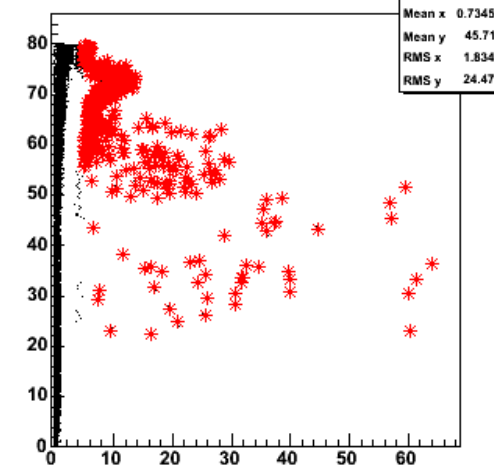
lamda in targ 5



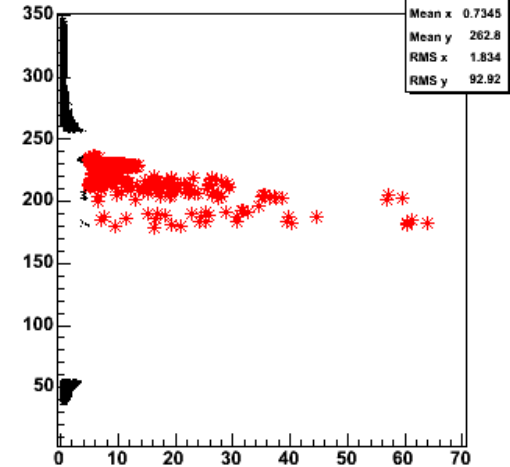
correction to momentum in targ 5



nor vs correction in targ 5



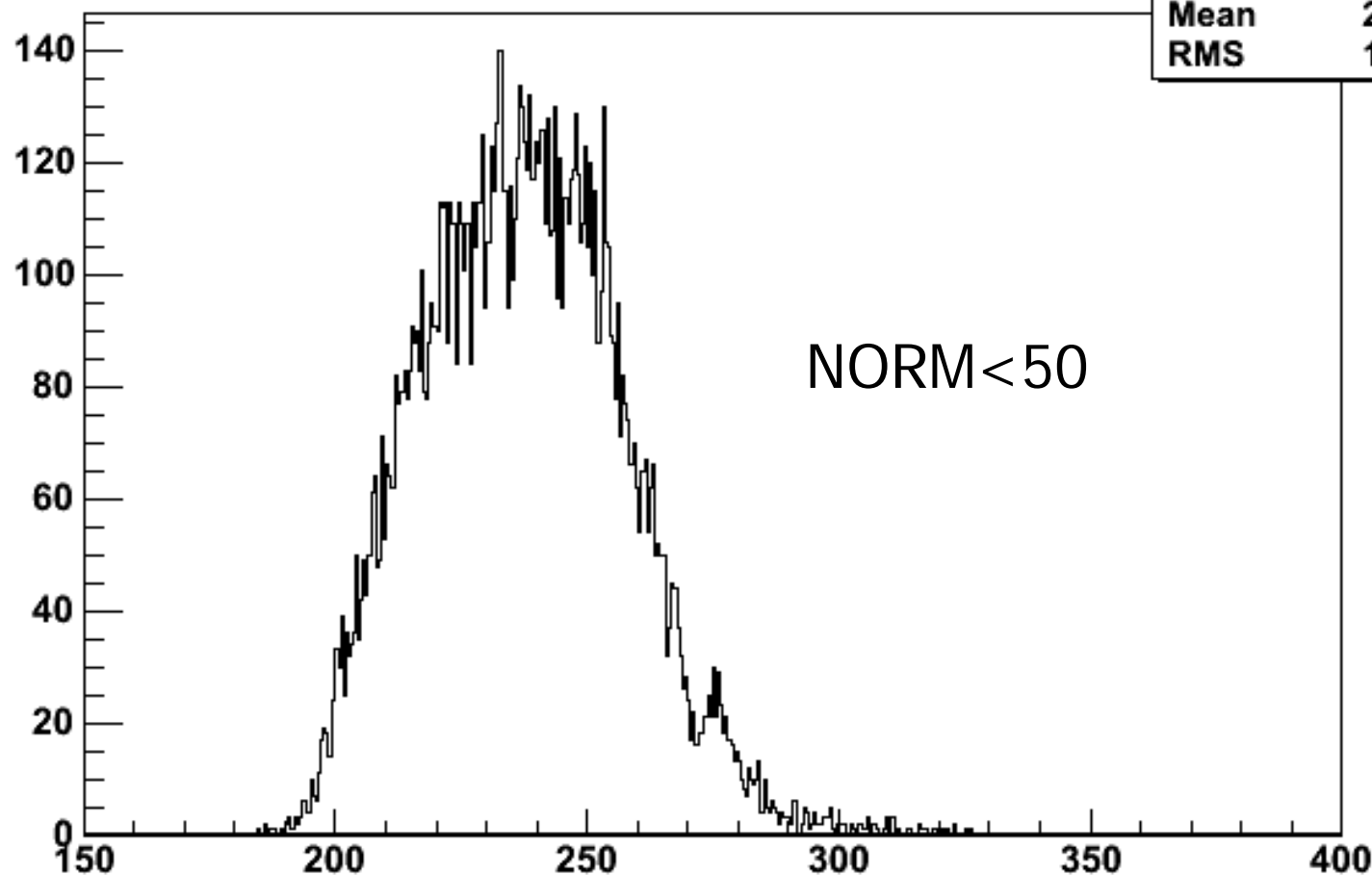
phi vs correction in targ 5



Lithium 7 target

Target 4

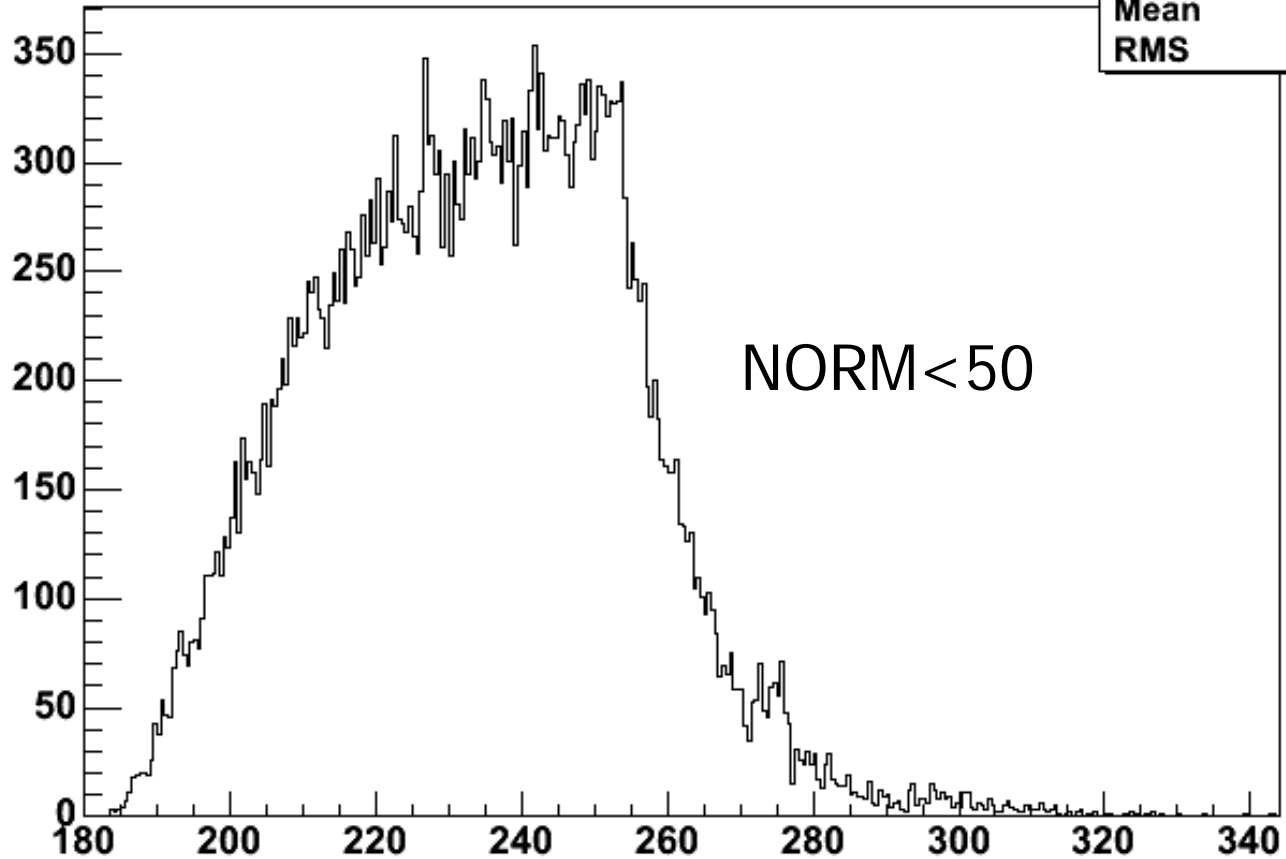
Entries	12902
Mean	237.4
RMS	19.78



TAR 3 + TAR 2

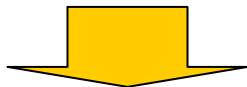
pion spectrum 6Li

enc1c	
Entries	37394
Mean	233.9
RMS	21.22



Other items:

Neutron reconstruction



Built basic P.R.(one TOFONE slab not connected with
Signals in Straw Tubes)

Any other idea??

MC cannot help so much(no detector signal simulated)

Looking forward to have Tofone-Tofino calibrations

But the Scientific Commitee is too close.....





