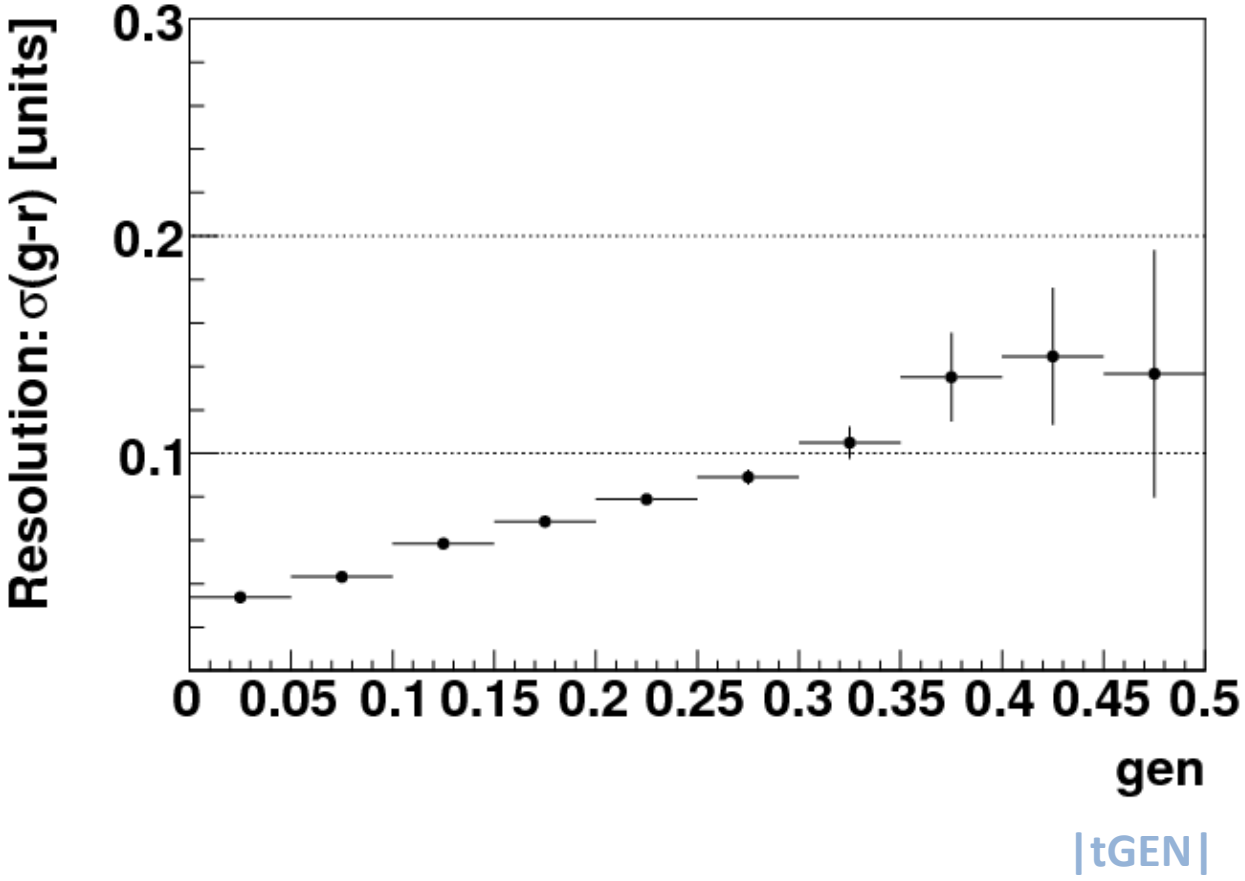
t in VFPS

Resolution in tVFPS (I)

Absolute **resolution vs tGEN, all periods**

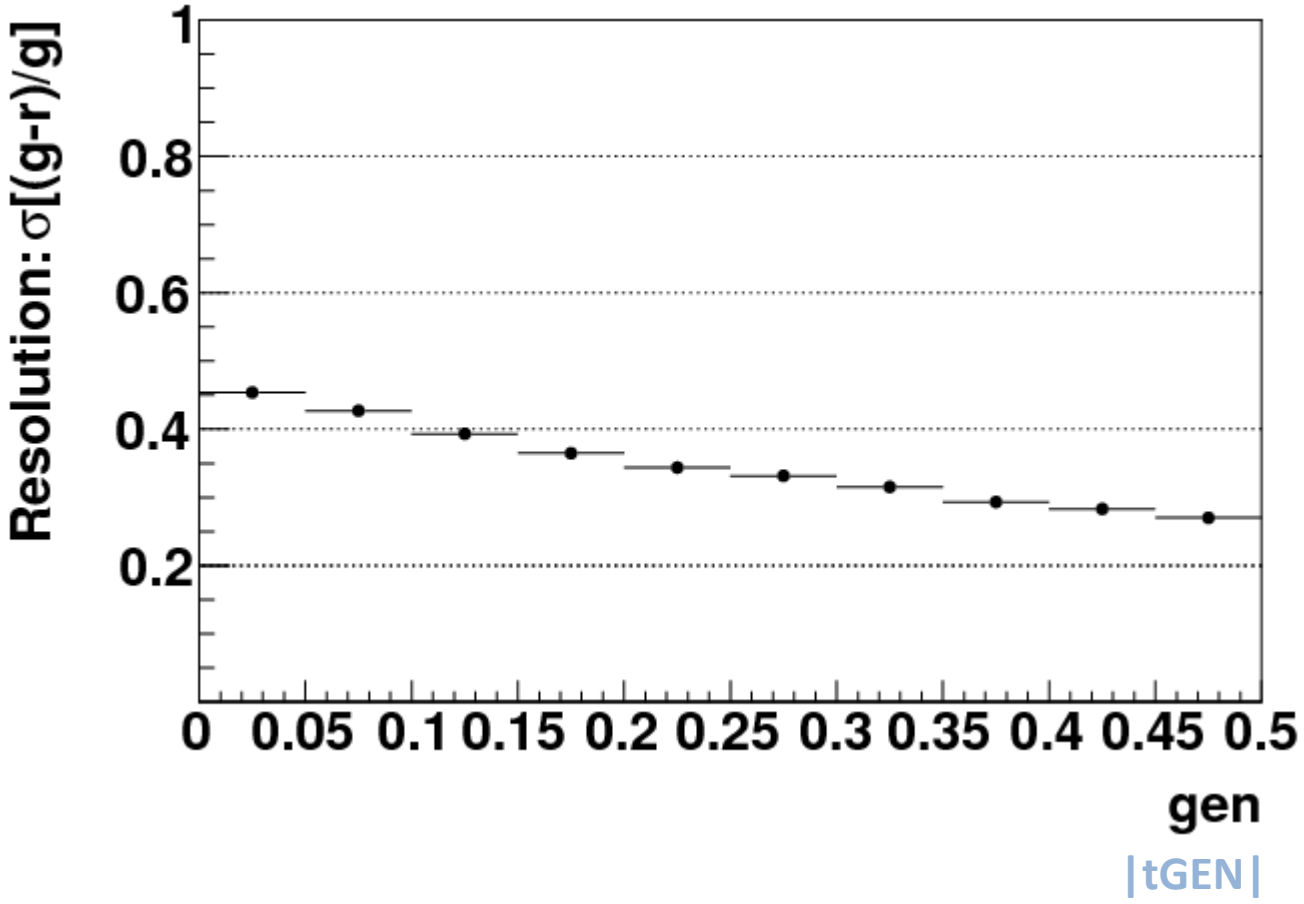
GeV



|tGEN|

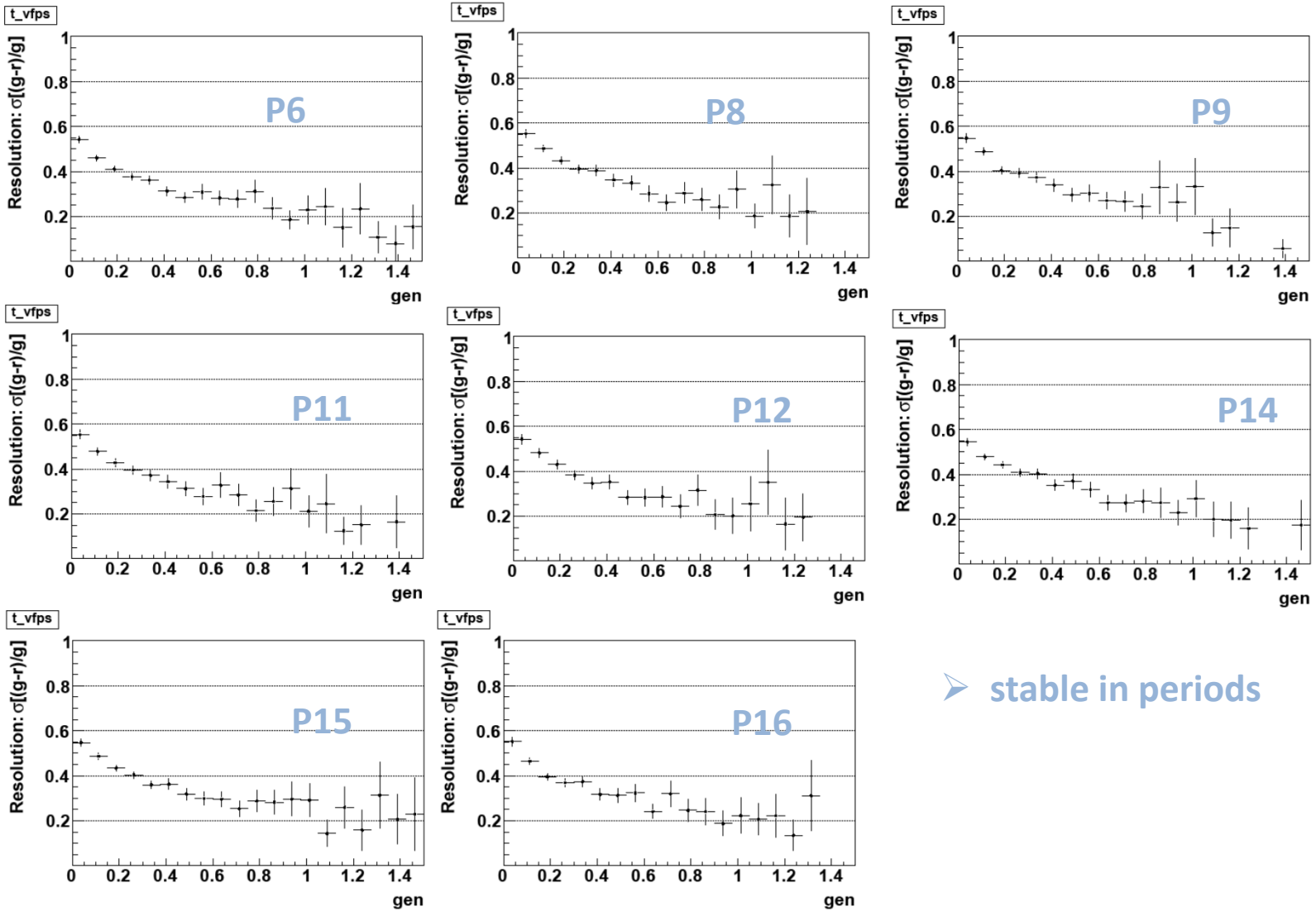
Resolution in tVFPS (II)

***Relative* resolution vs tGEN, all periods**



Resolution in tVFPS (III)

Relative resolution vs tGEN, *per period*

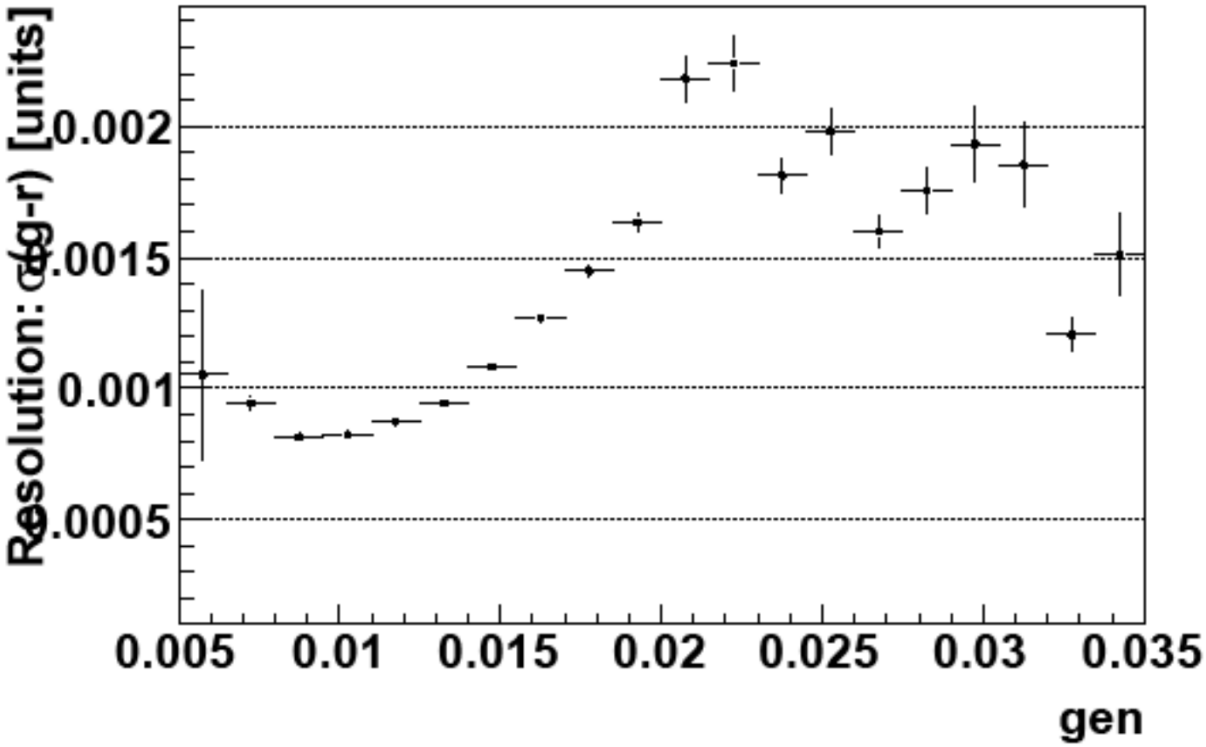


- stable in periods

Resolution in xpomVFPS (I)

Absolute **resolution vs xpomGEN, all periods**

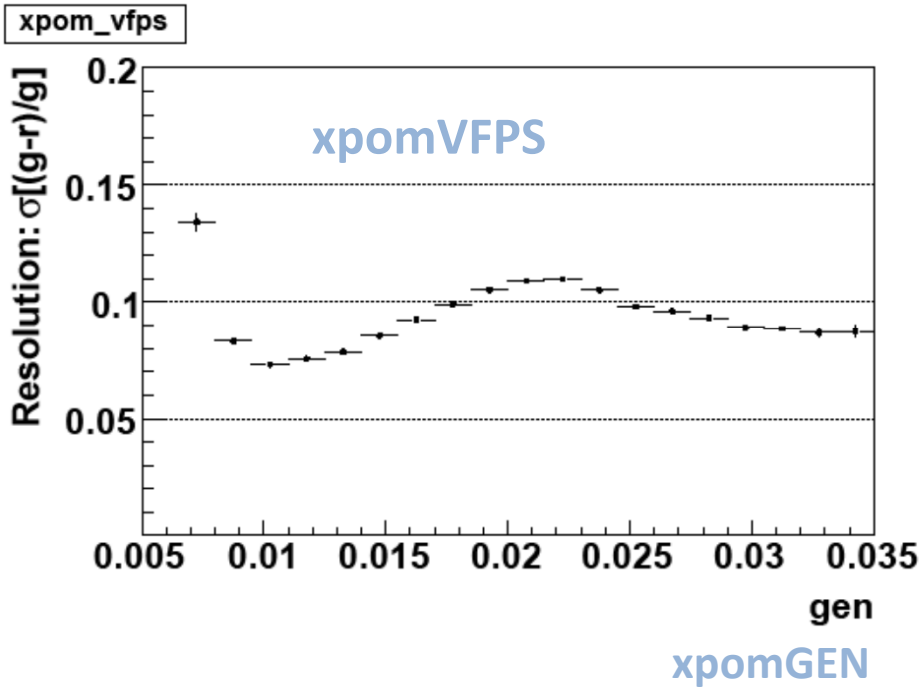
xpom

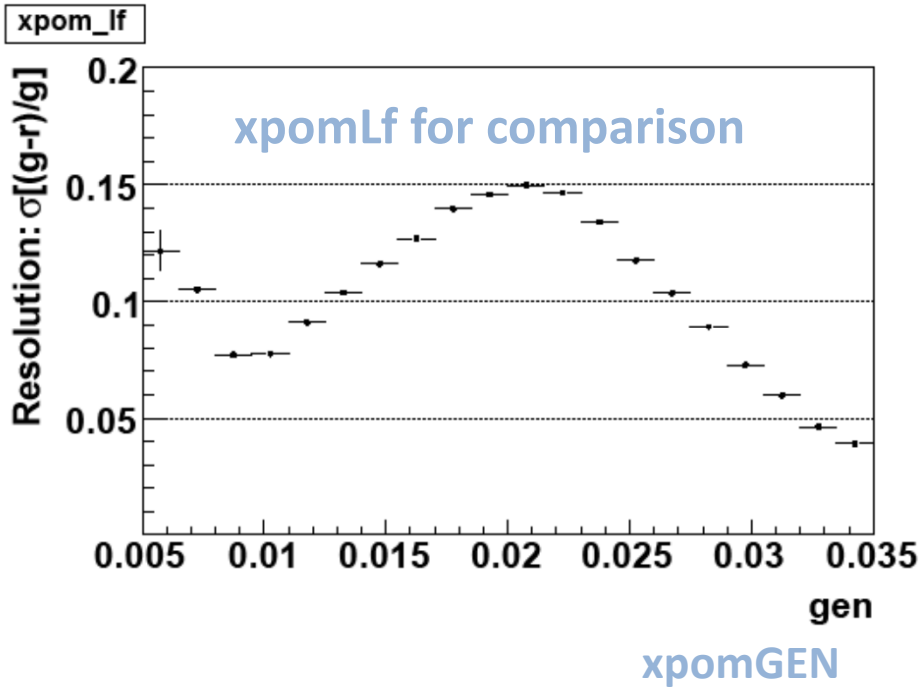


xpomGEN

Resolution in xpomVFPS (II)

***Relative* resolution vs xpomGEN, all periods**

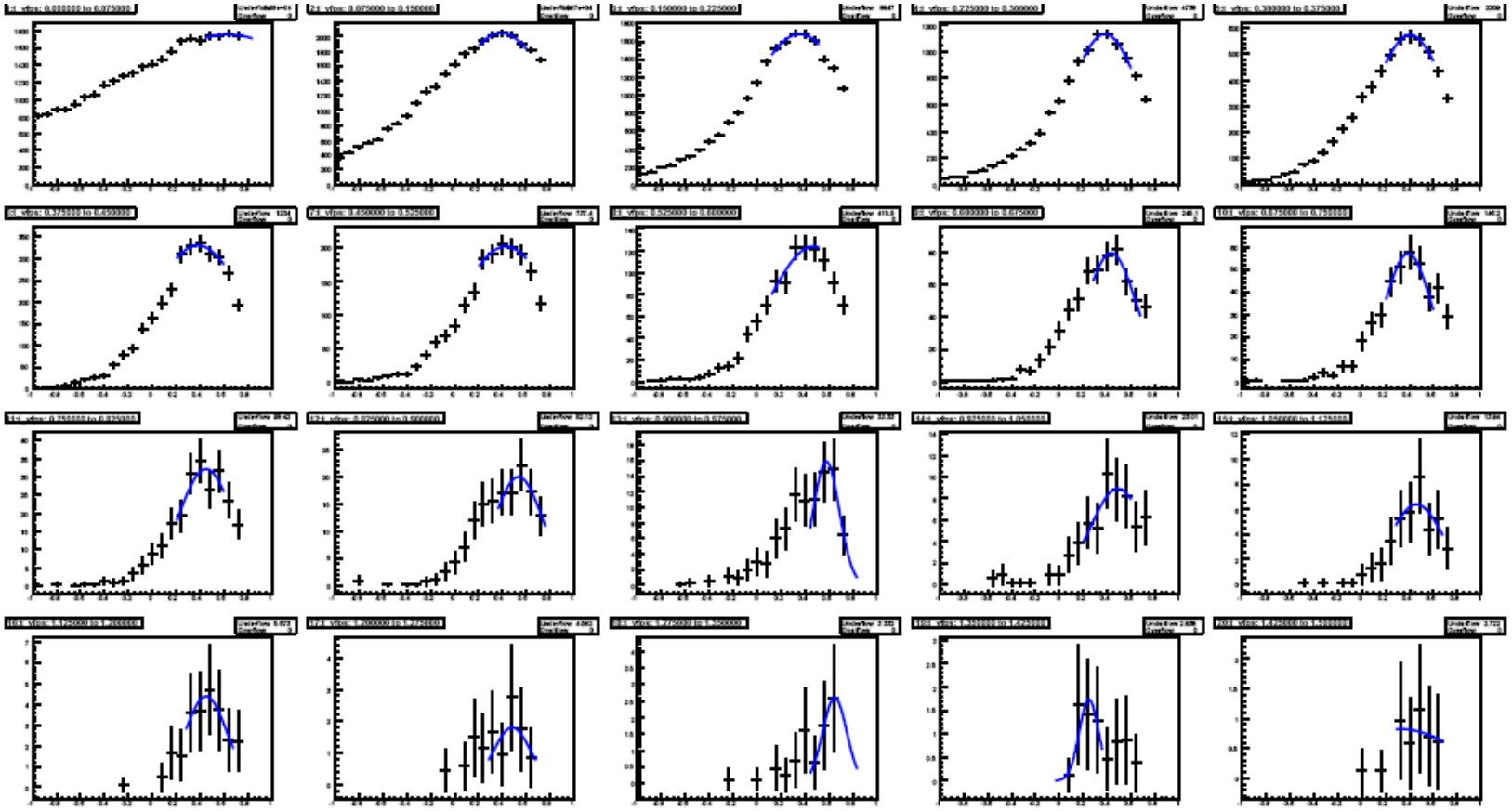




- **xpomVFPS looks better in general**

Issues

Distributions of (tGEN-tREC)/tGEN and **Gaus fits** in 20 bins of tGEN
- Fit sigma is the resolution for a given tGEN bin, as shown previously

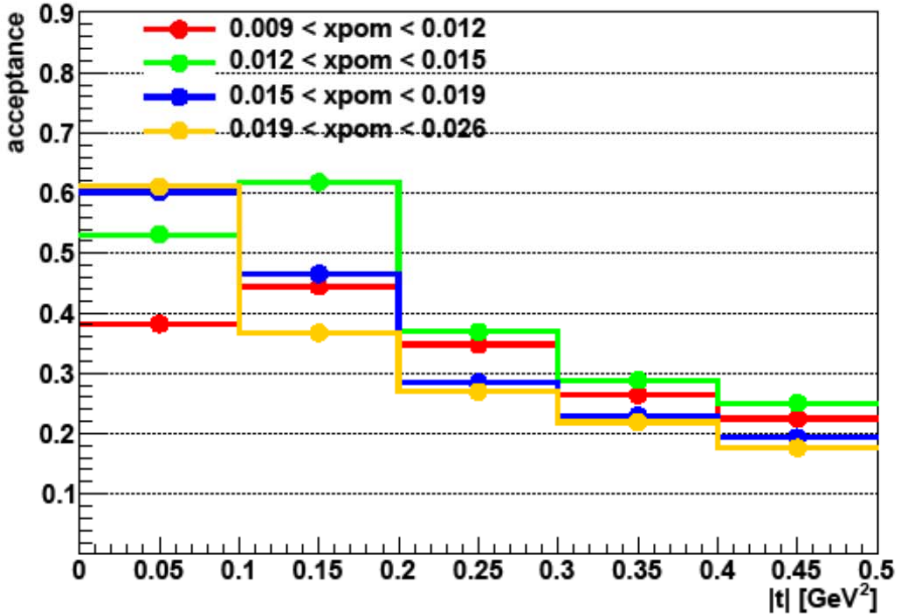


- Lower t bins have large tails.. Not sure of the stability of fits, will probably try compute resolutions using TProfiles

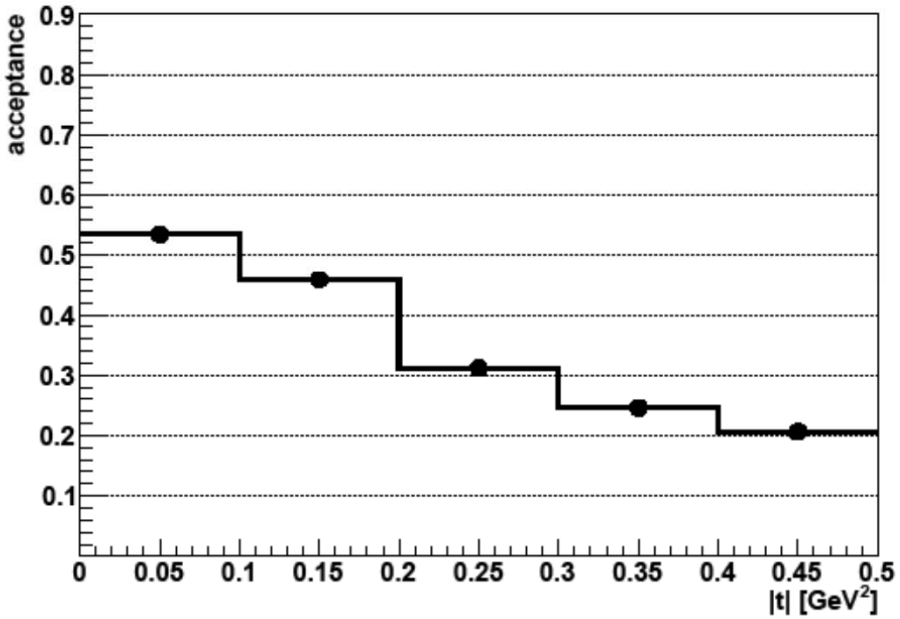
Acceptance in t

All periods together

4 bins in xpom

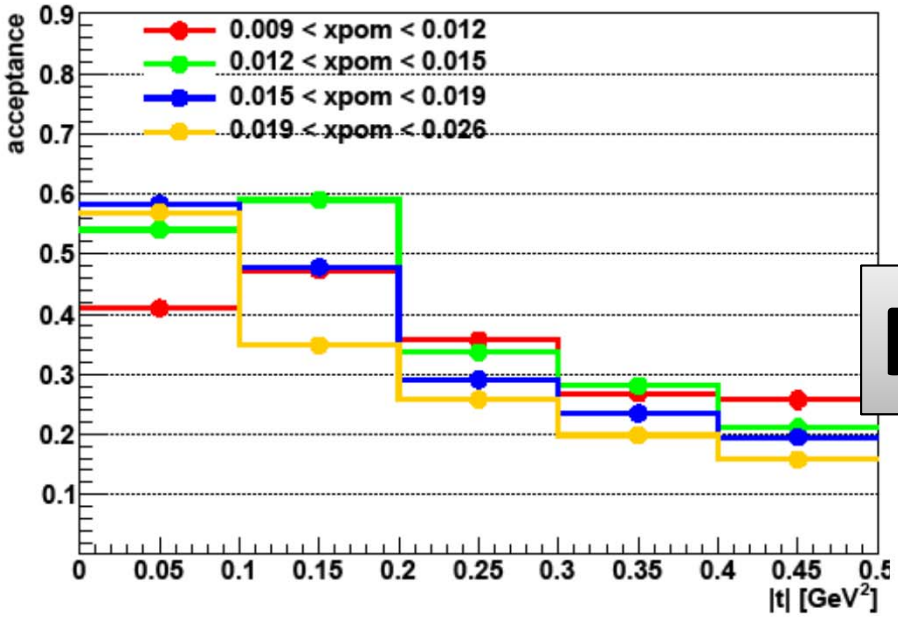


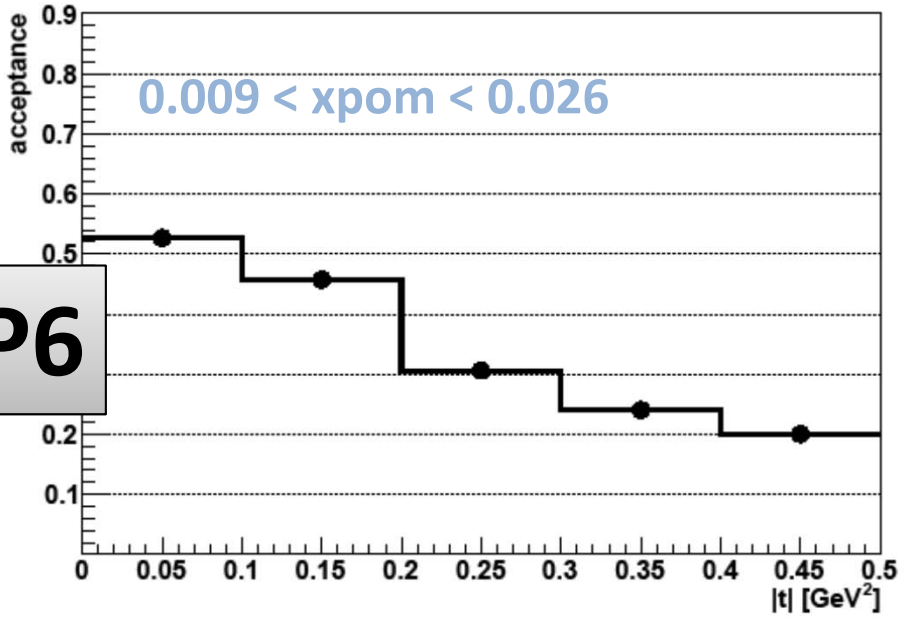
0.009 < xpom < 0.026



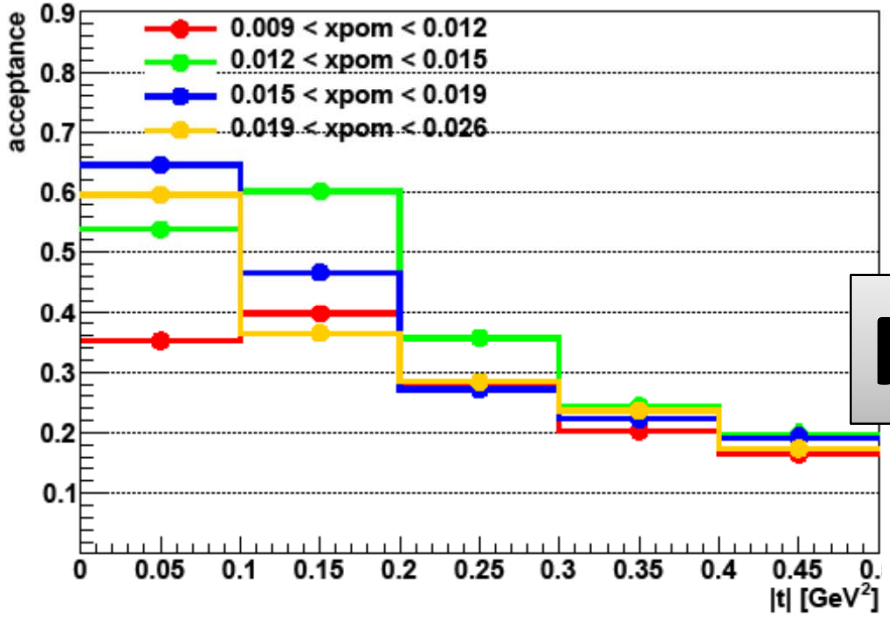
Within Xpom, Q2 and beta analysis range

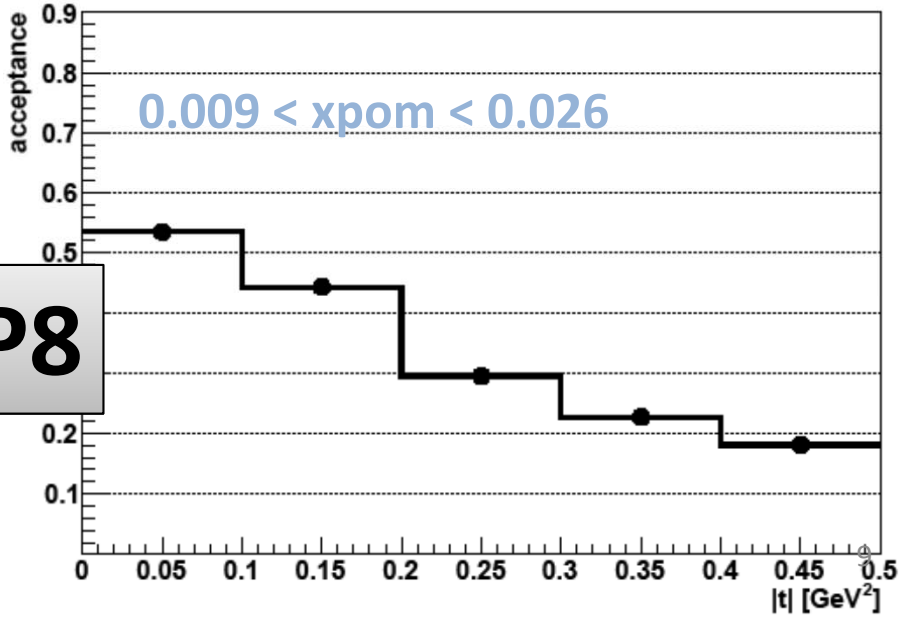
Acceptance in t – per Period (I)





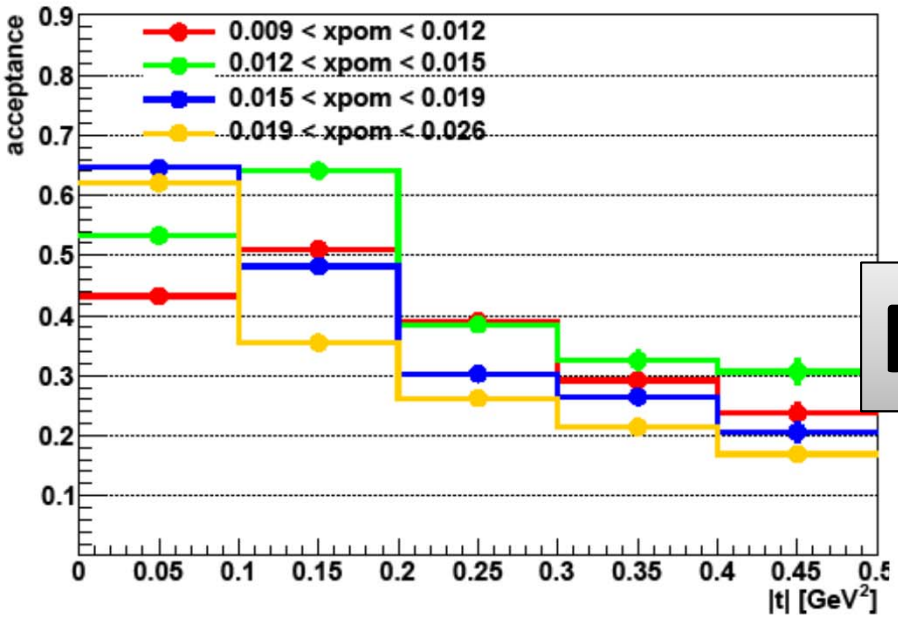
P6

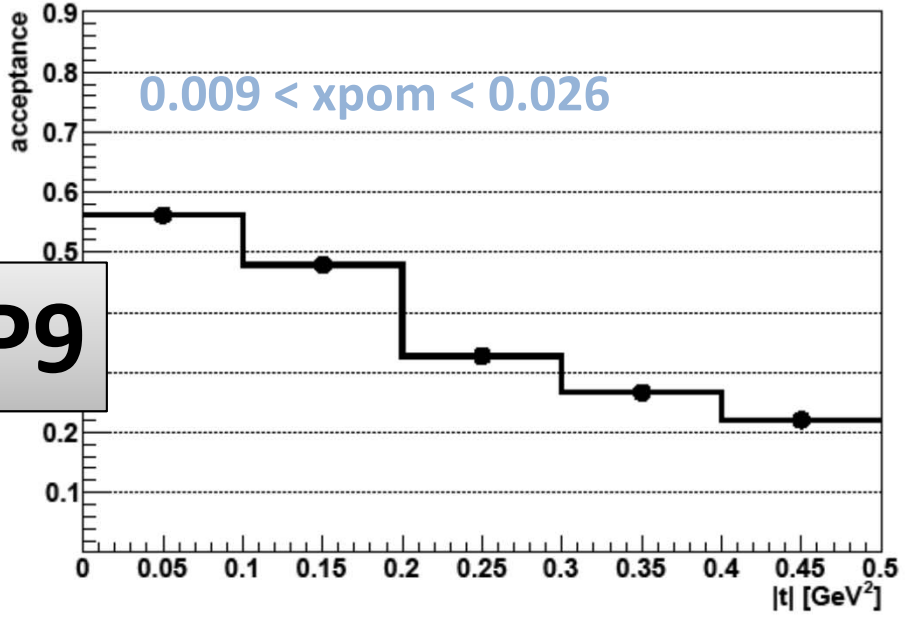




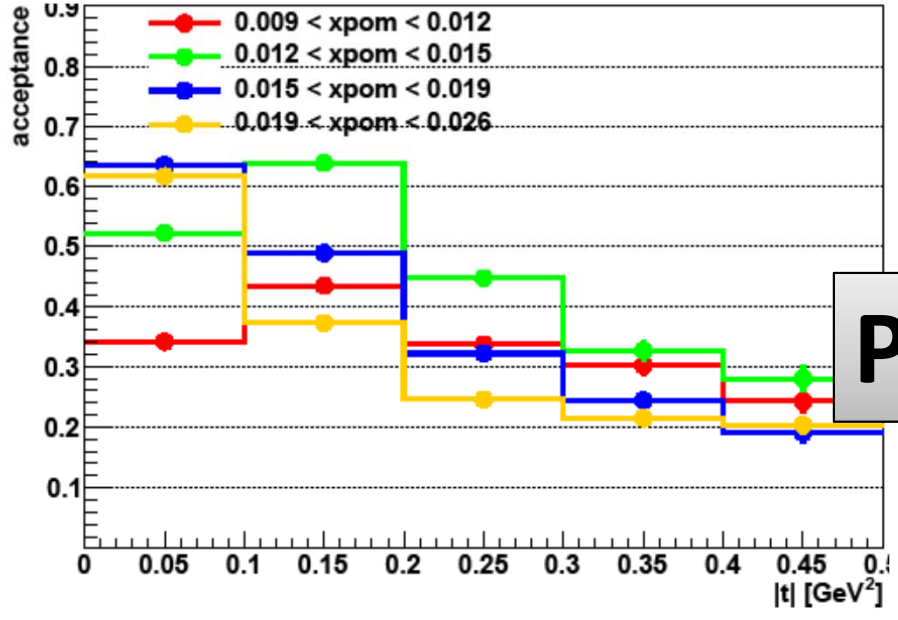
P8

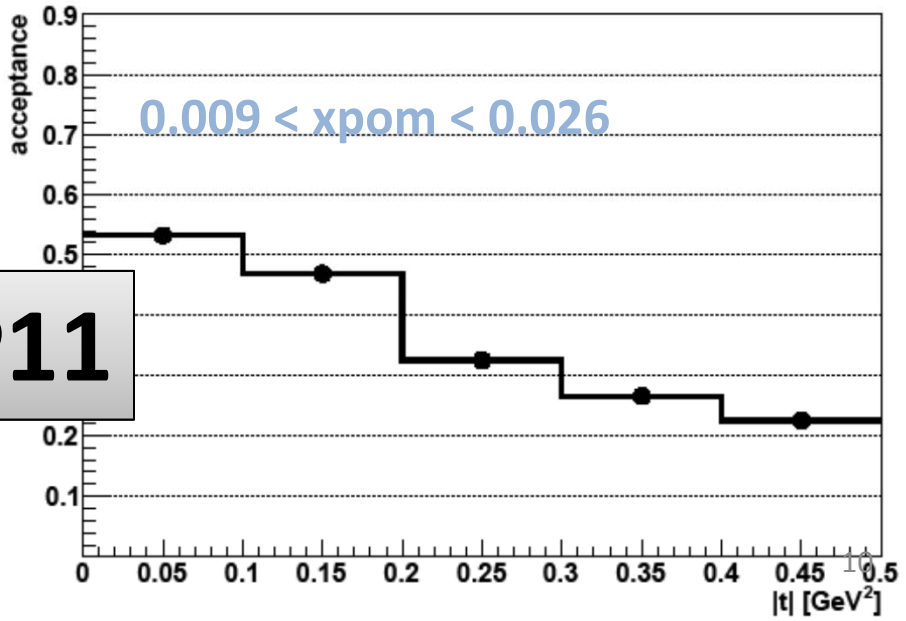
Acceptance in t – per Period (II)





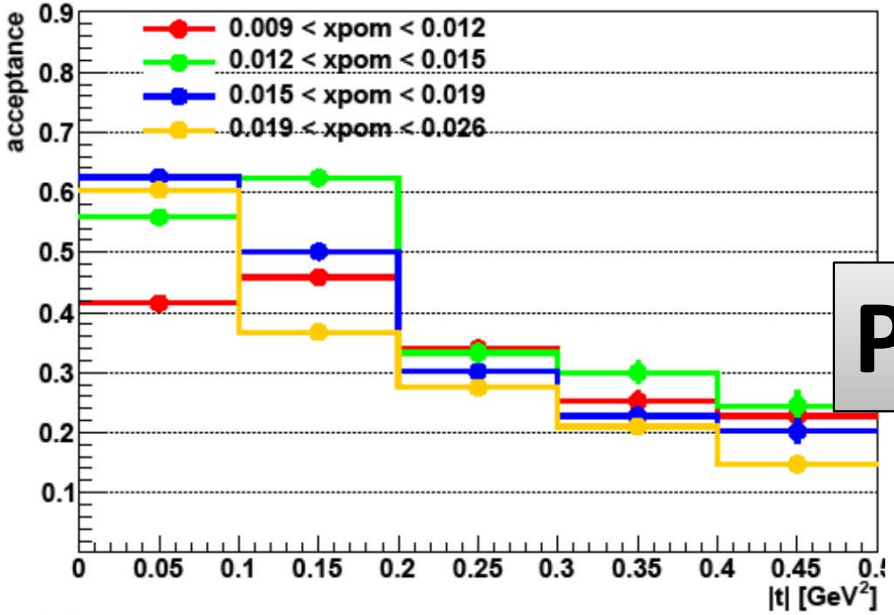
P9

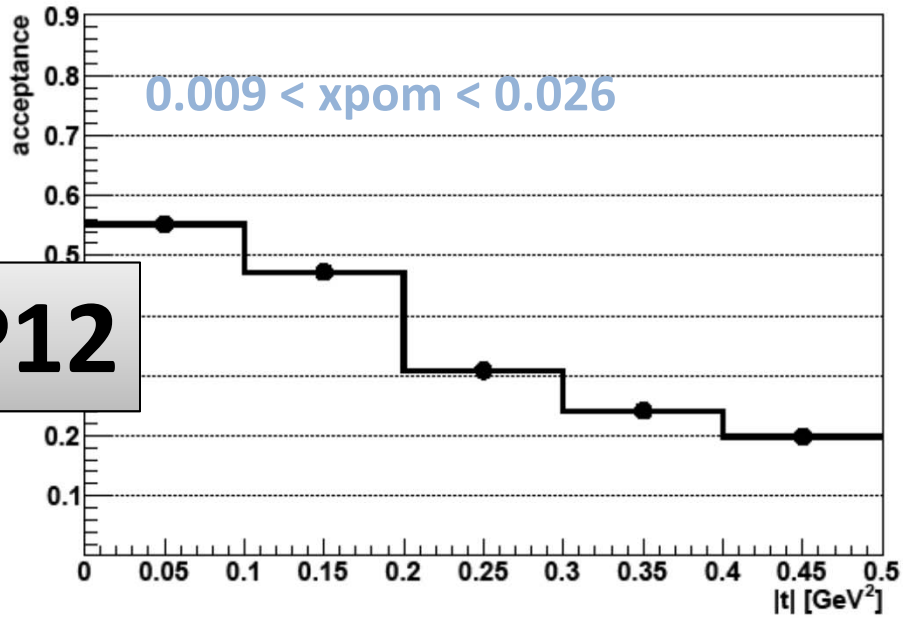




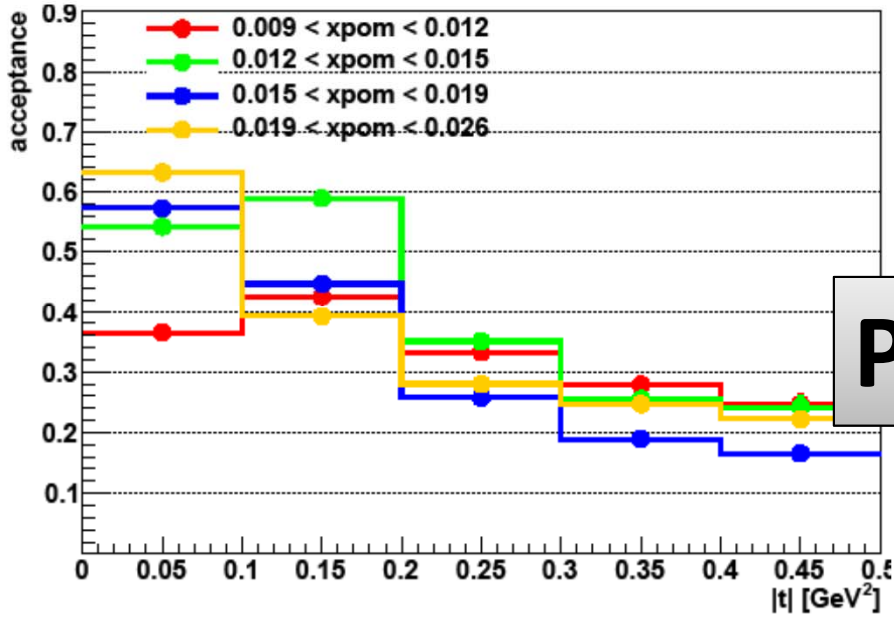
P11

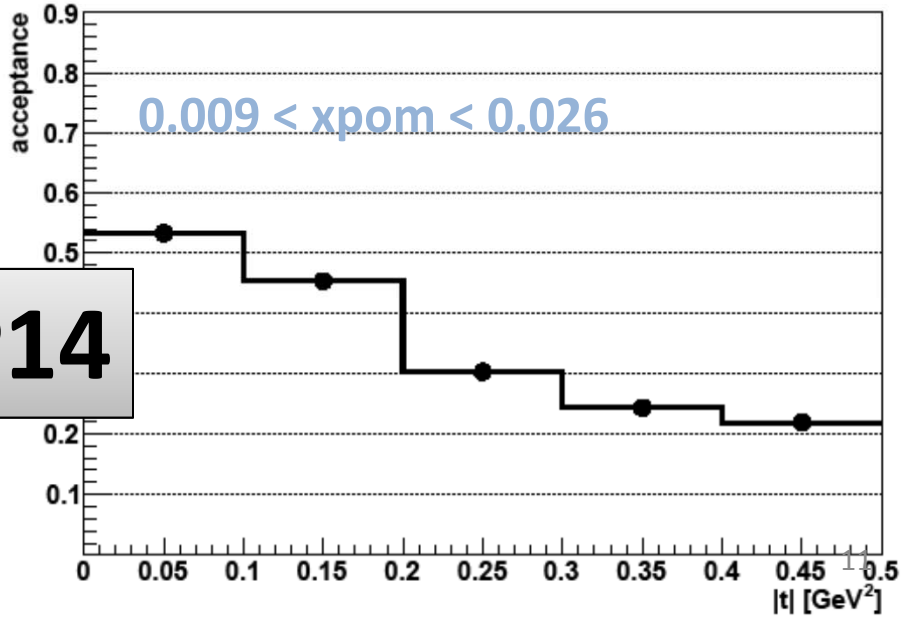
Acceptance in t – per Period (III)





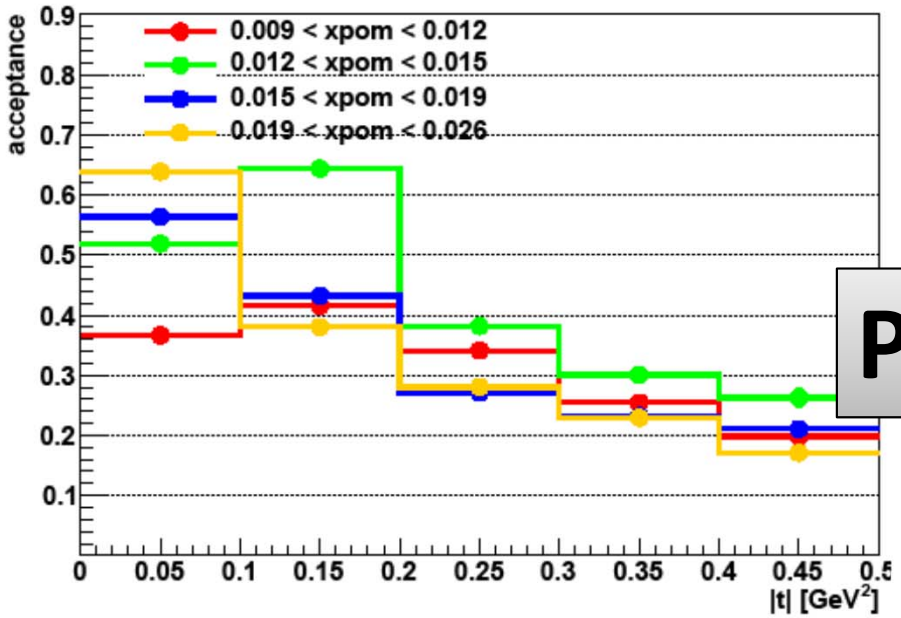
P12

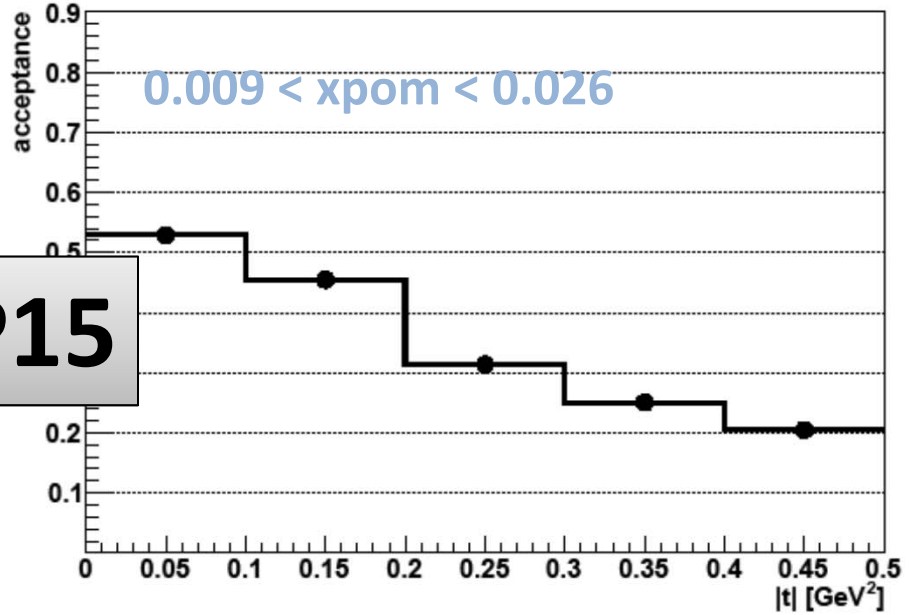




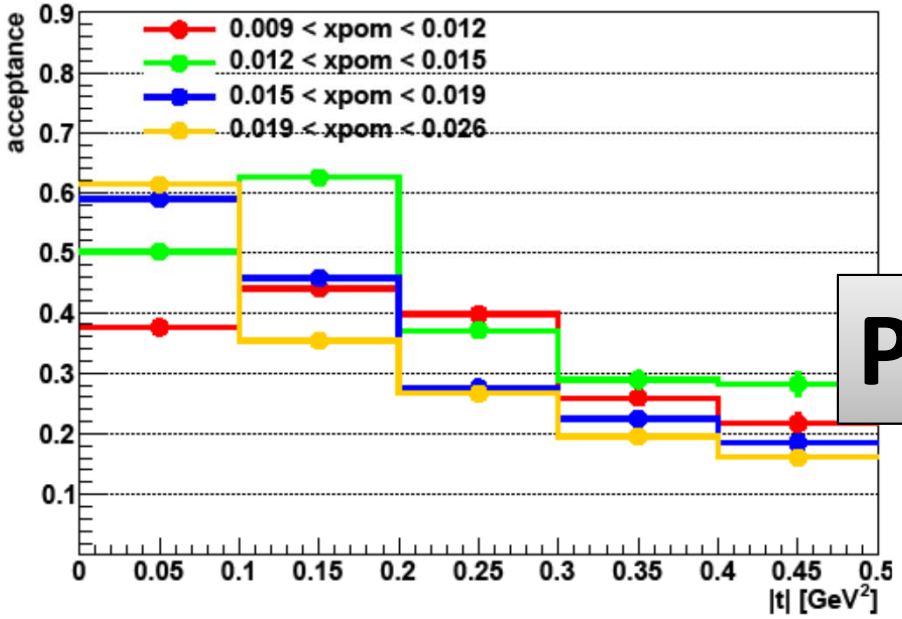
P14

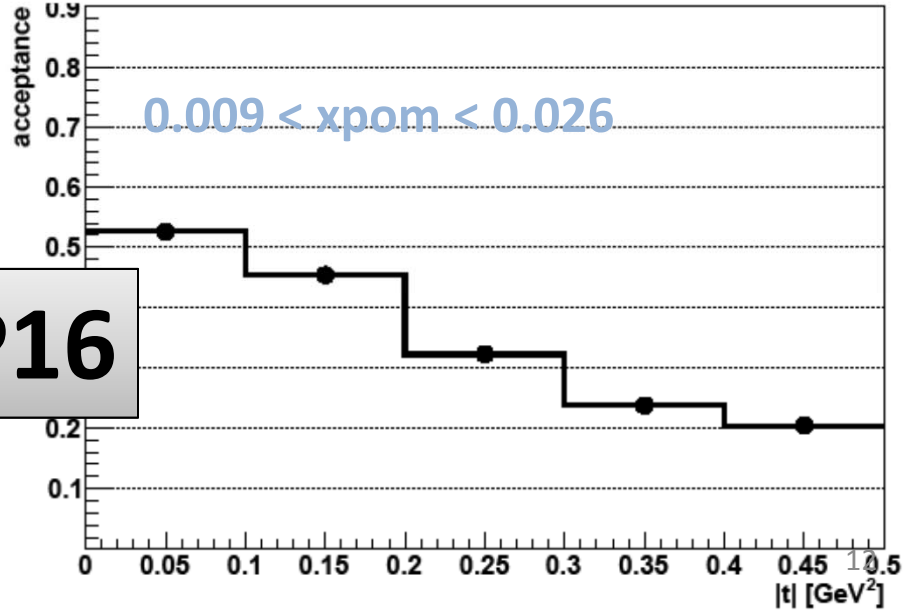
Acceptance in t – per Period (IV)





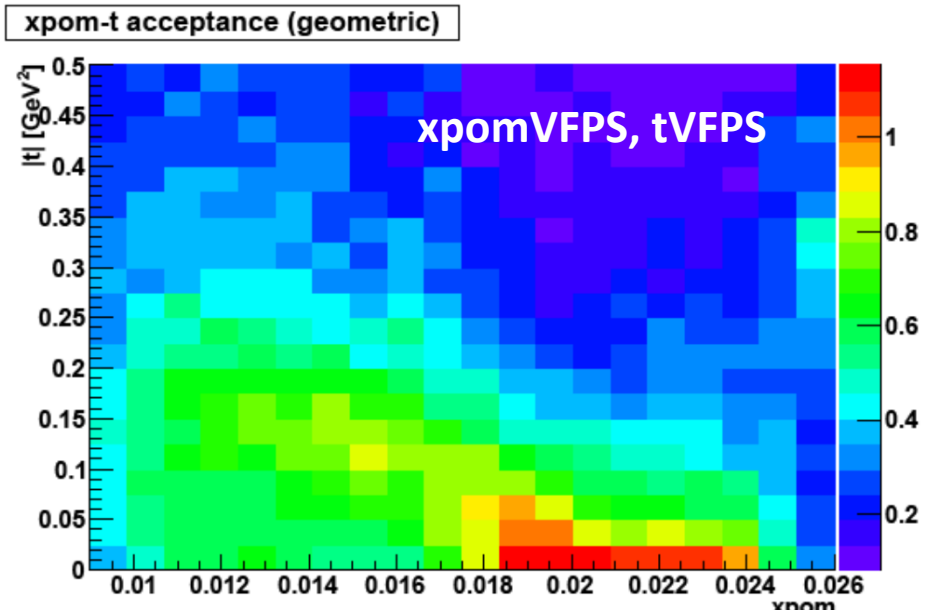
P15

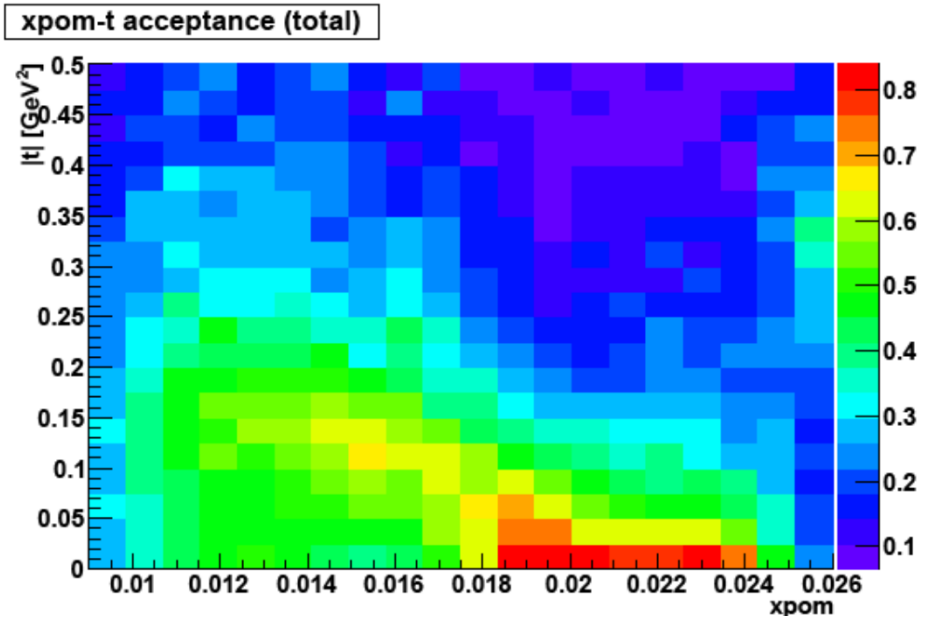


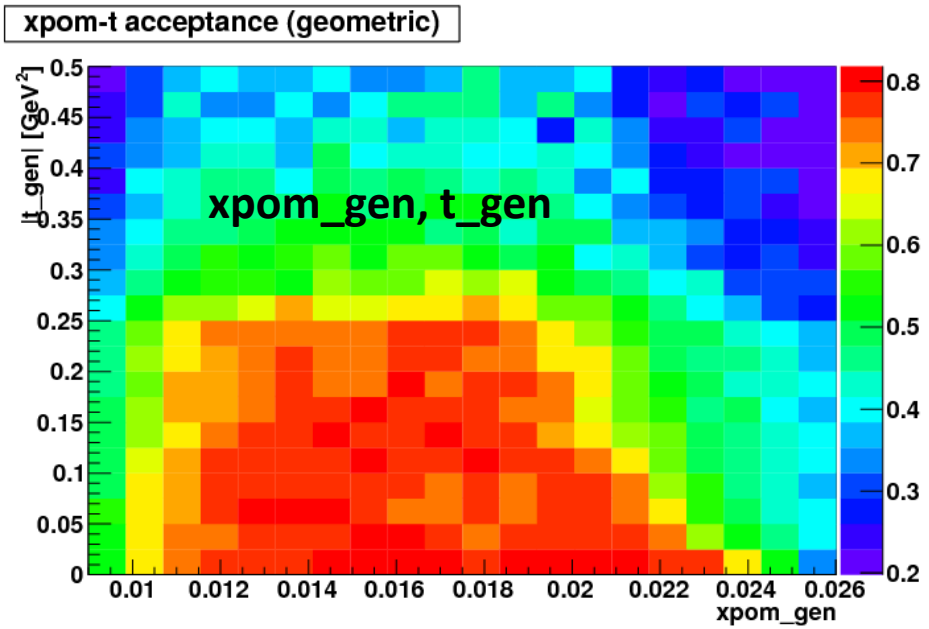


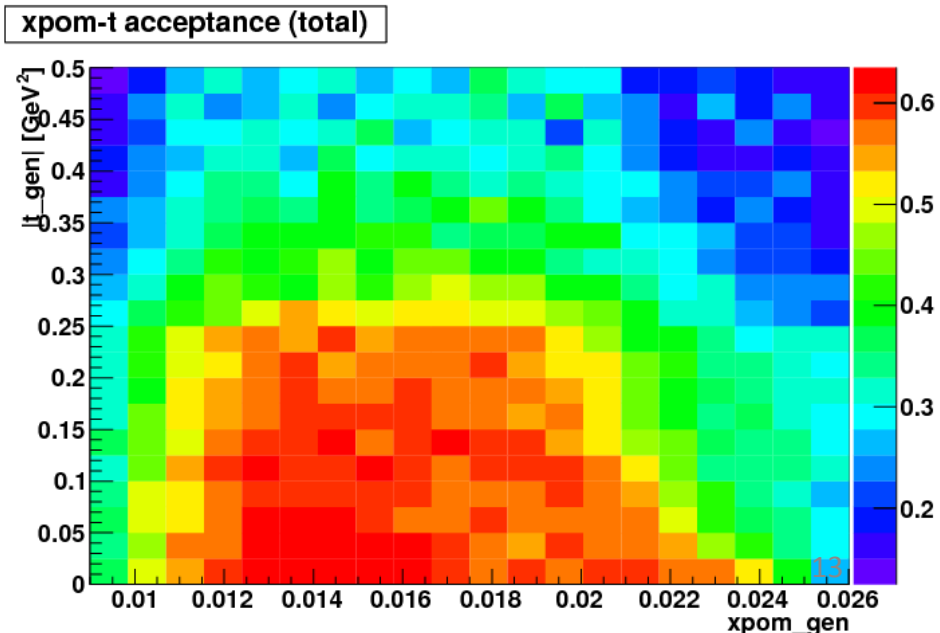
P16

2D Acceptance in xpom and t (all periods)

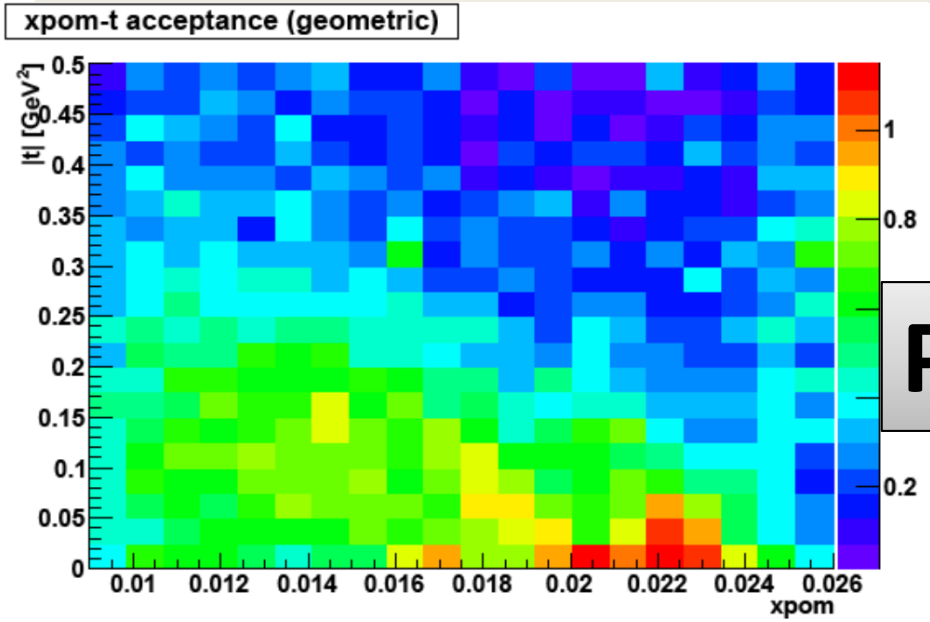


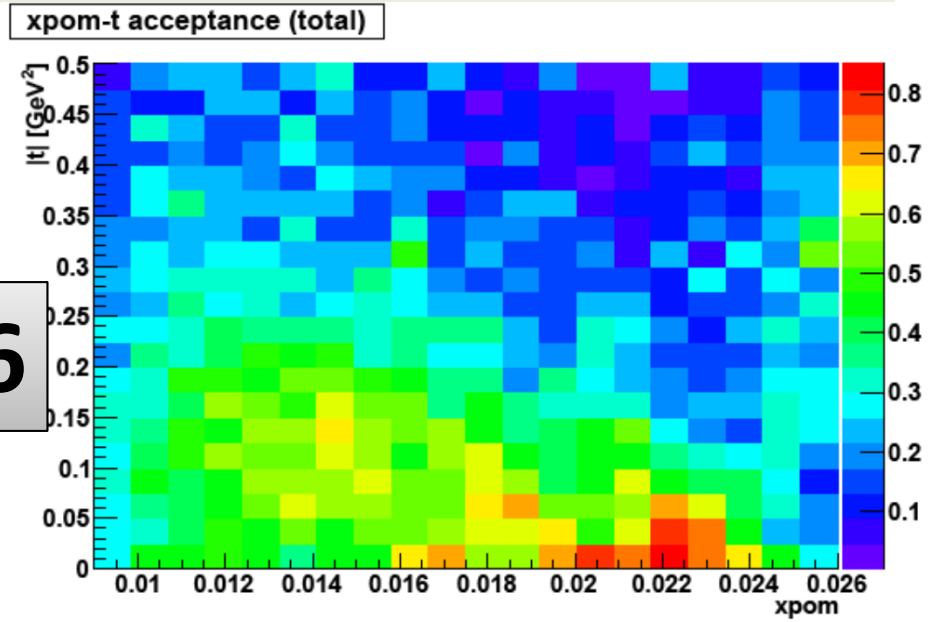




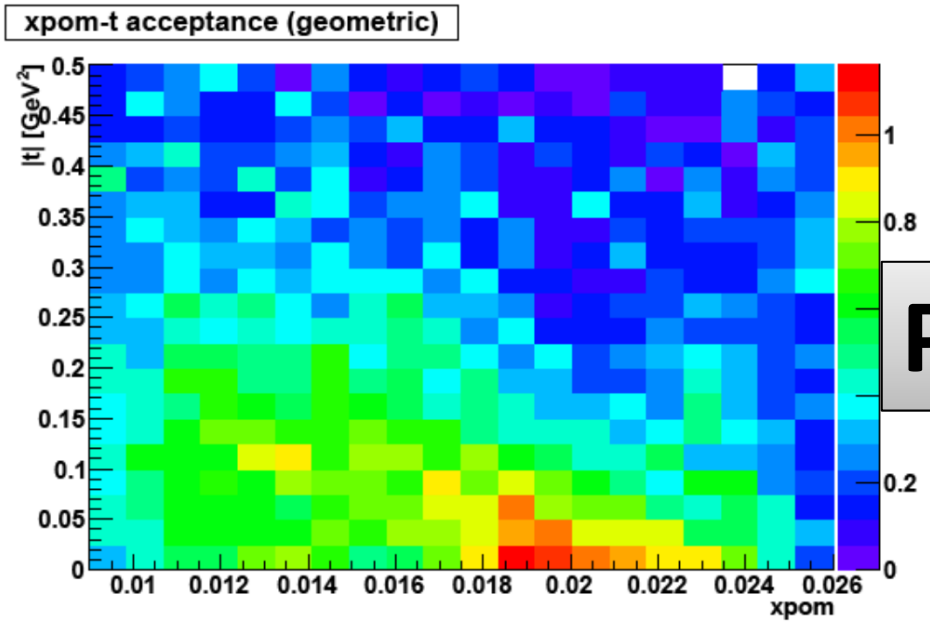


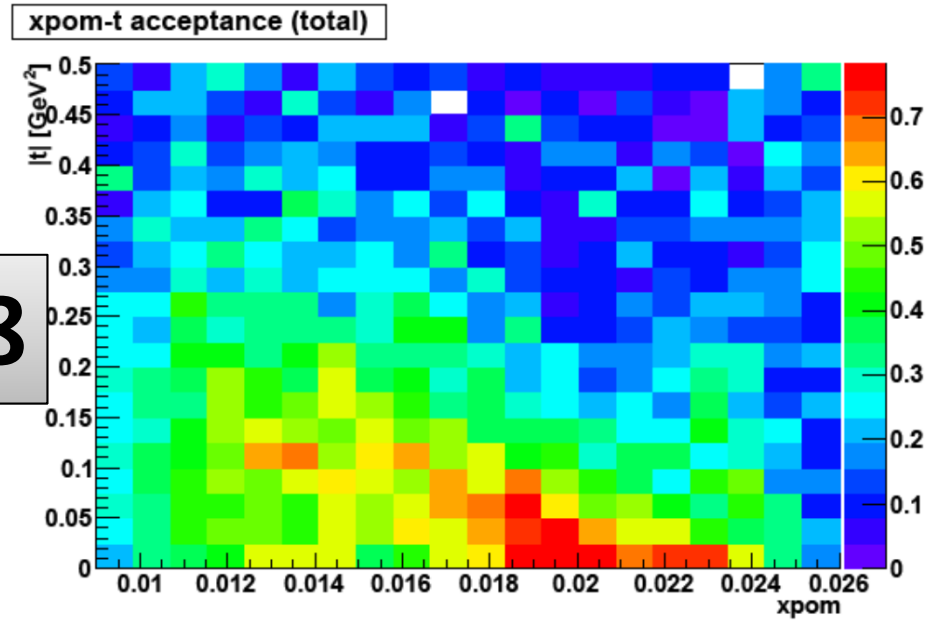
2D Acceptance in xpom and t: cont





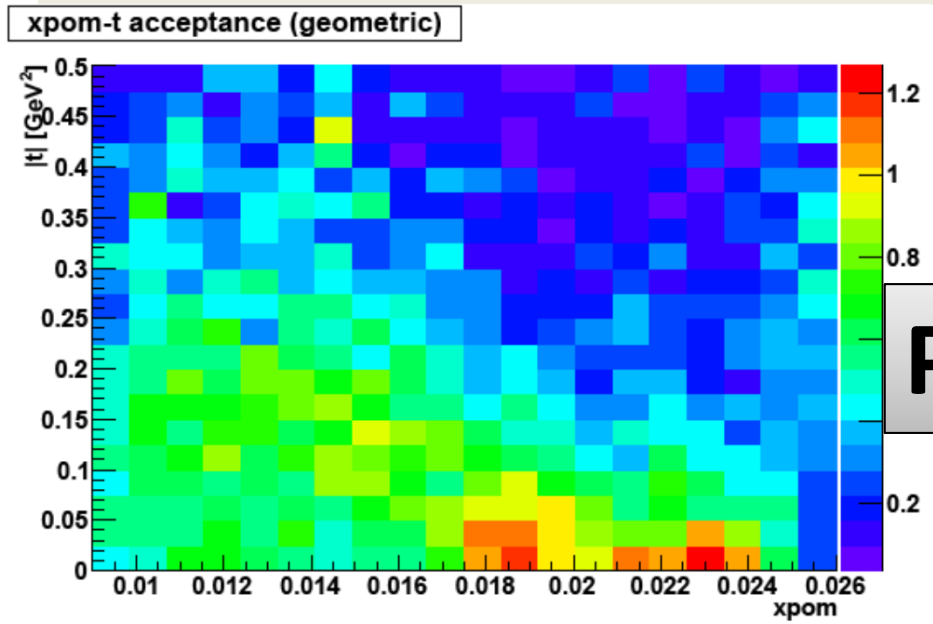
P6

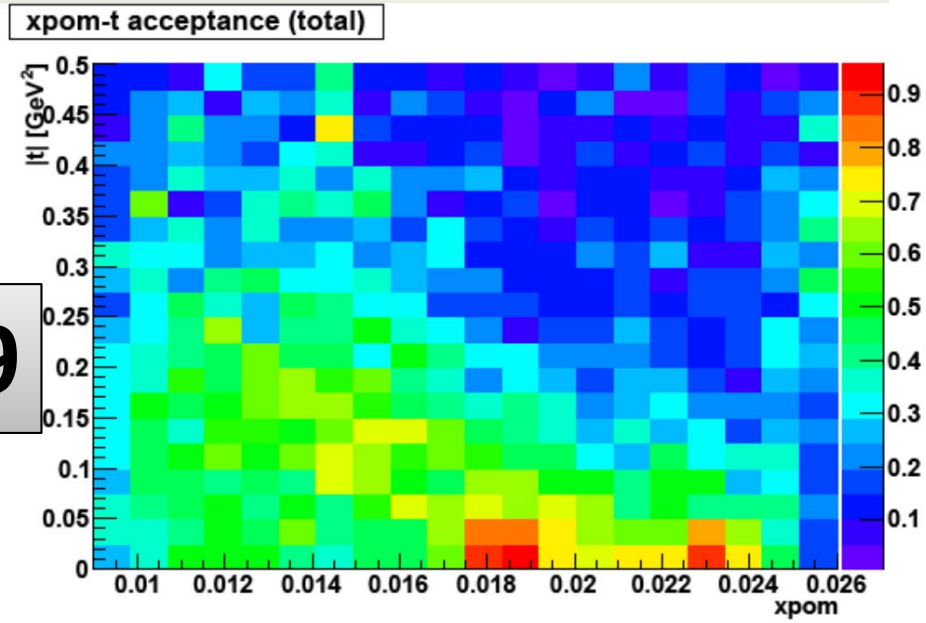




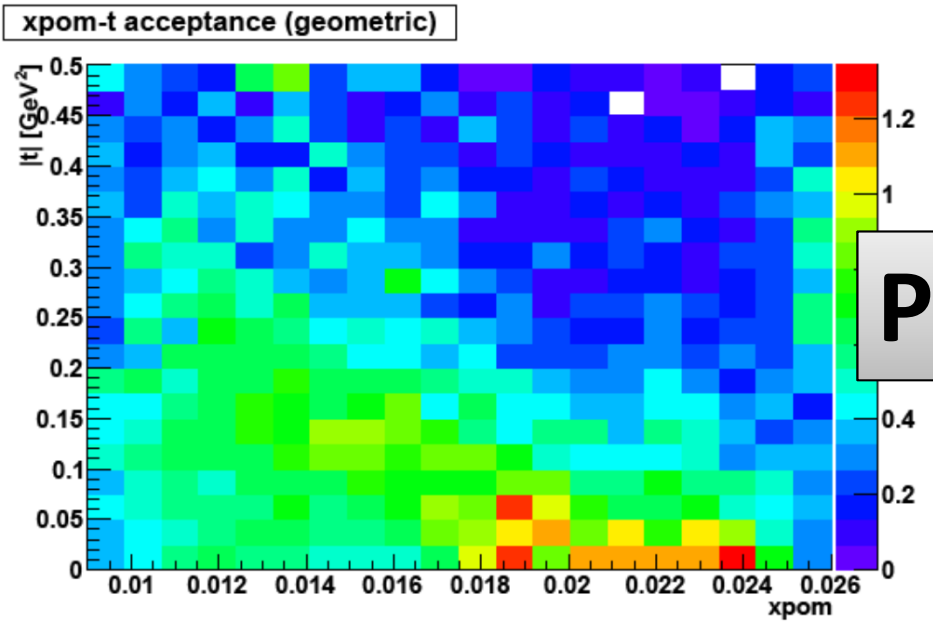
P8

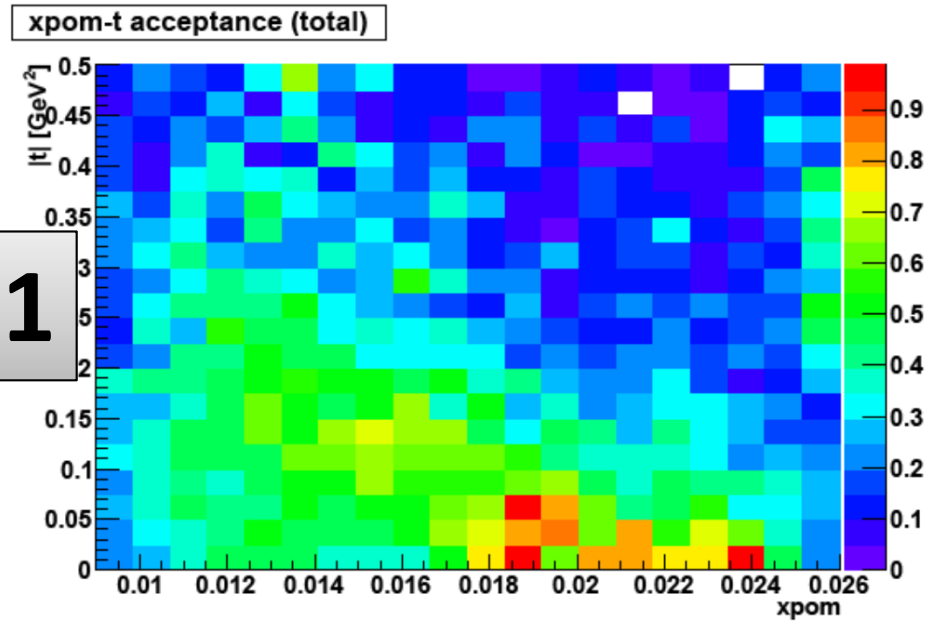
2D Acceptance in xpom and t: cont





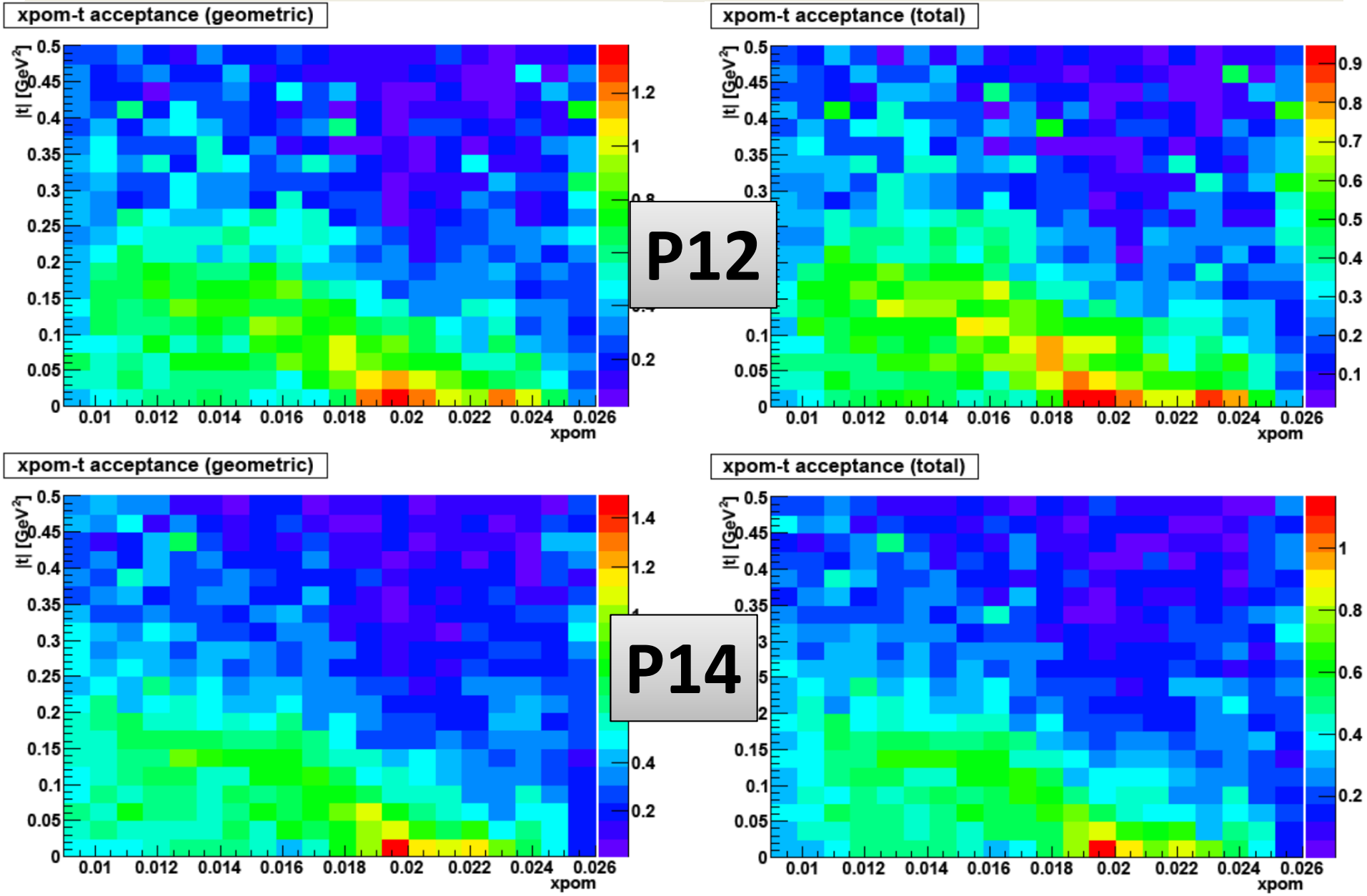
P9



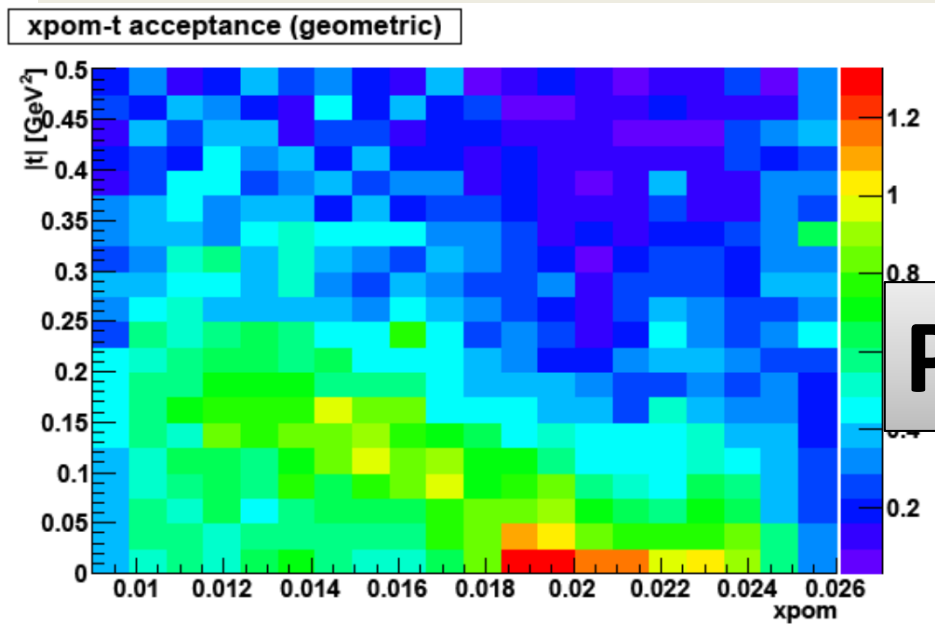


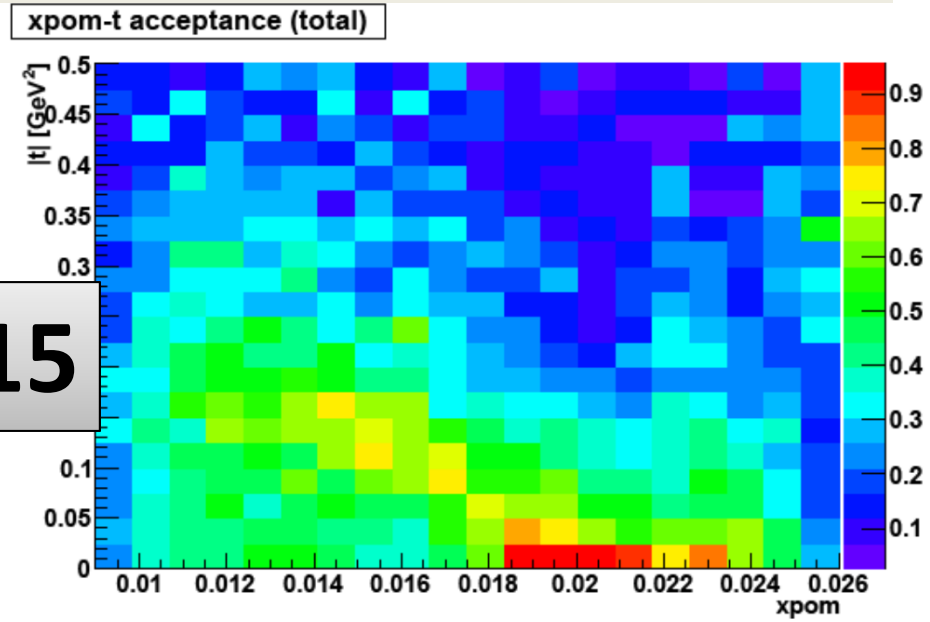
P11

2D Acceptance in xpom and t: cont

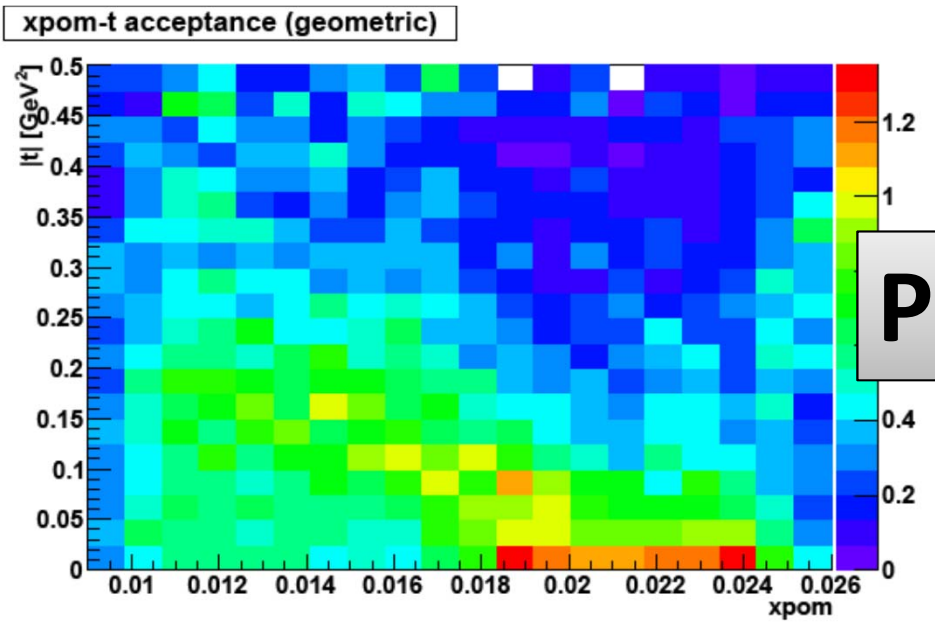


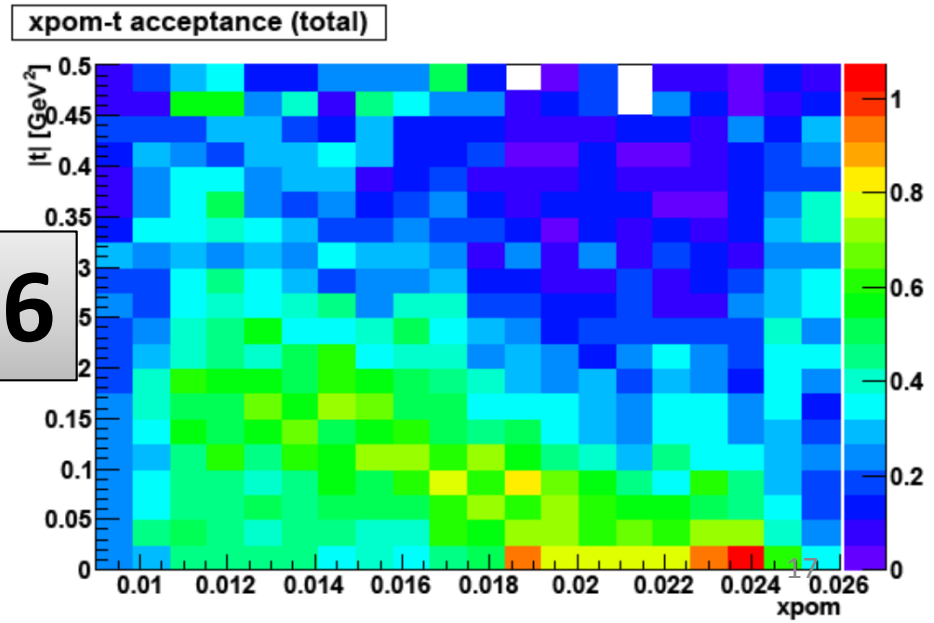
2D Acceptance in xpom and t: cont





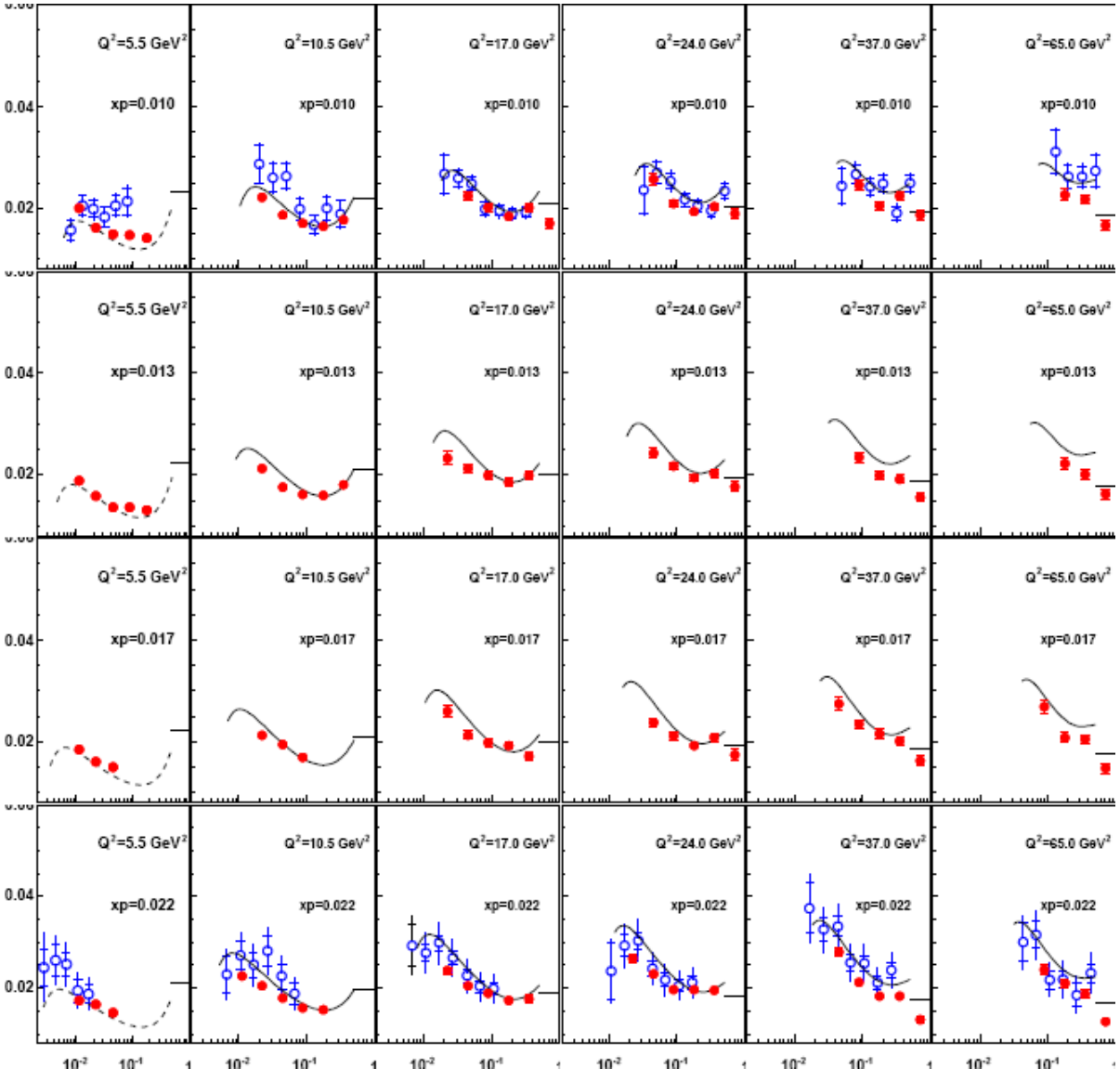
P15



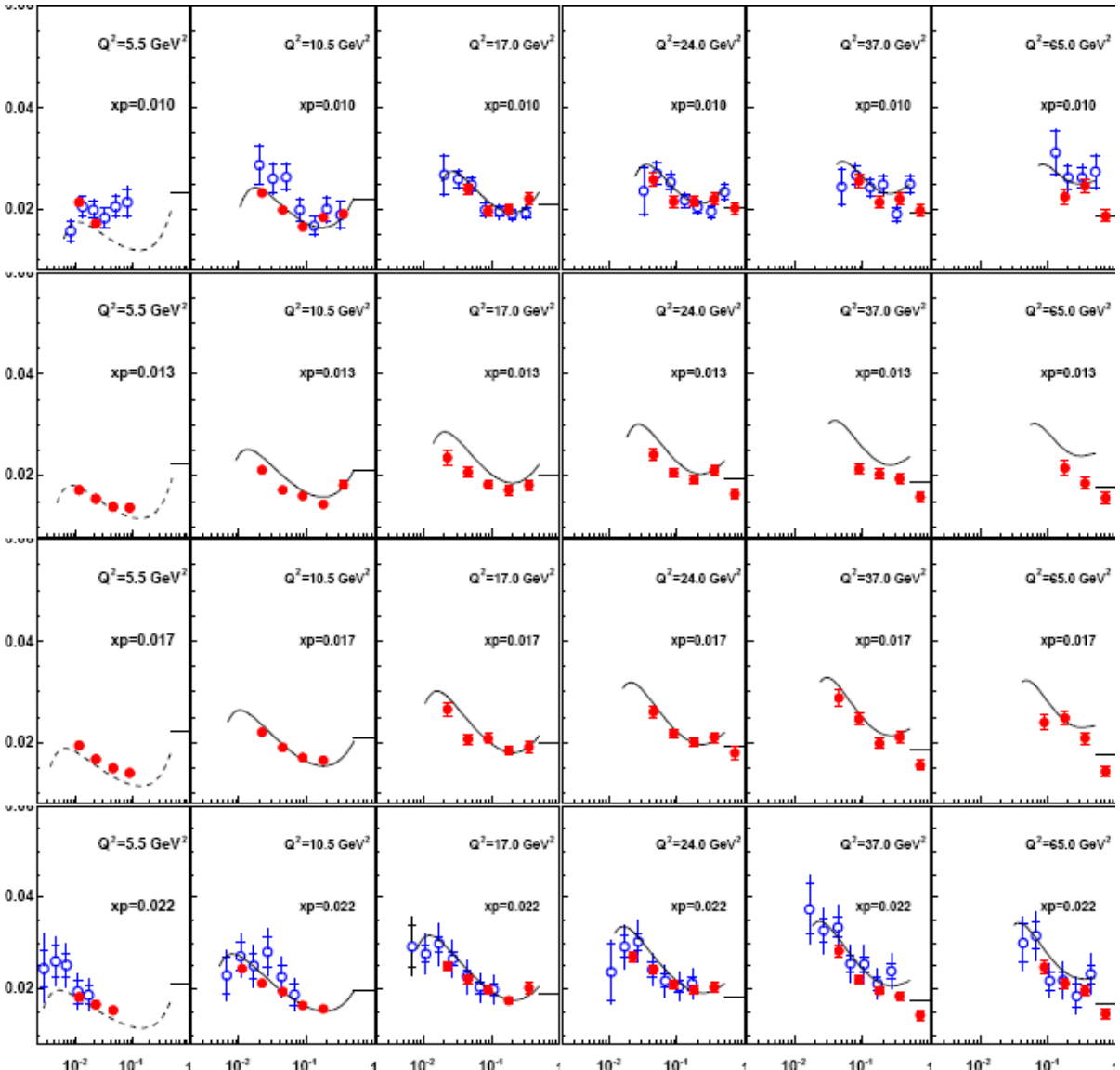


P16

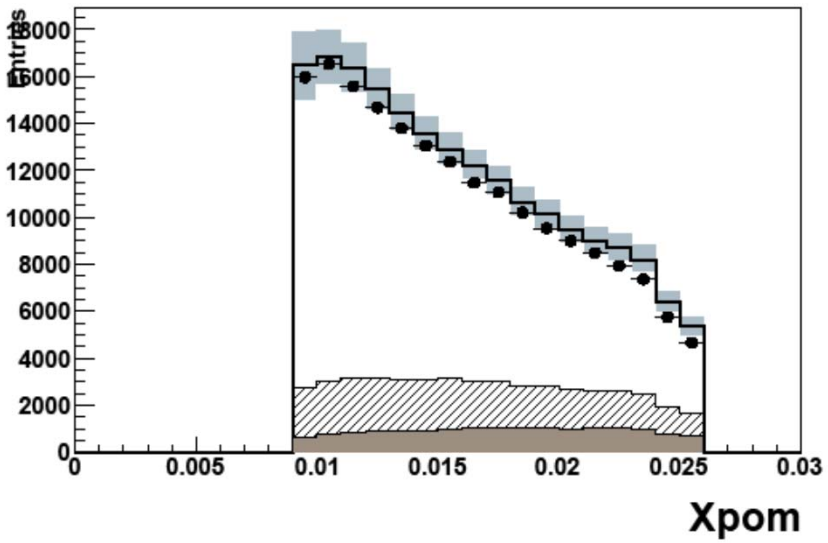
rCS as f(beta): xpomlf

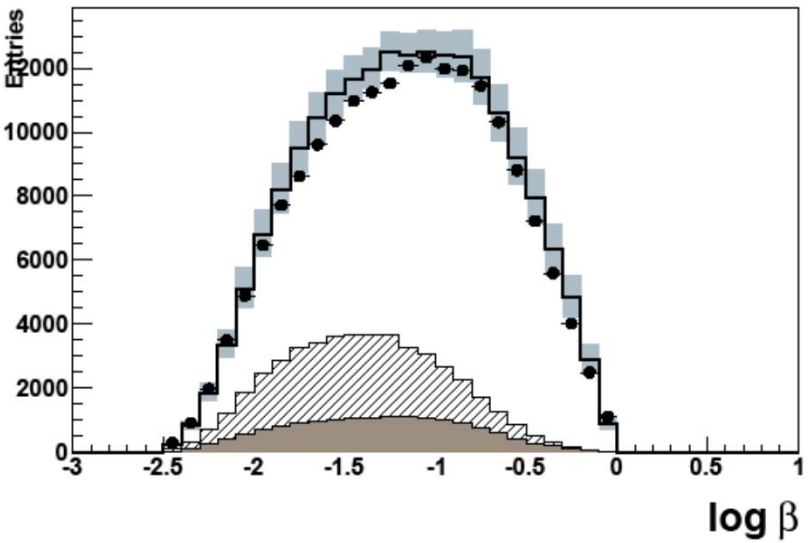


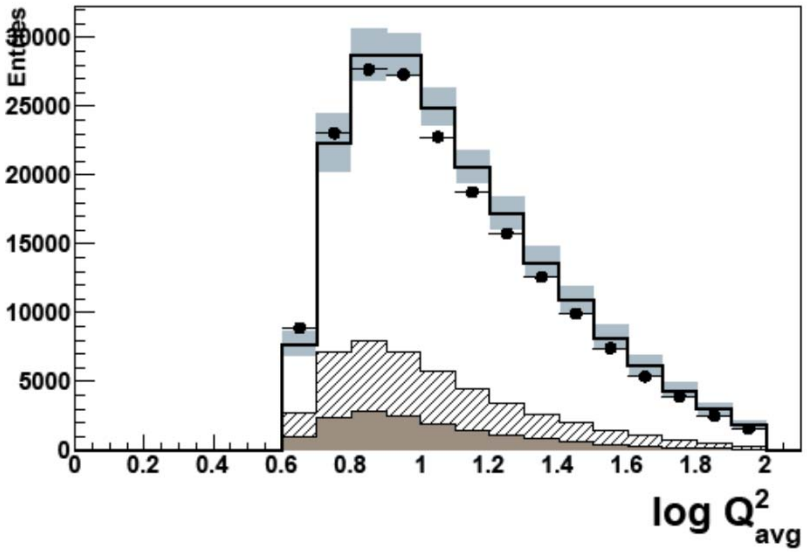
rCS as f(beta): xpomVFPS

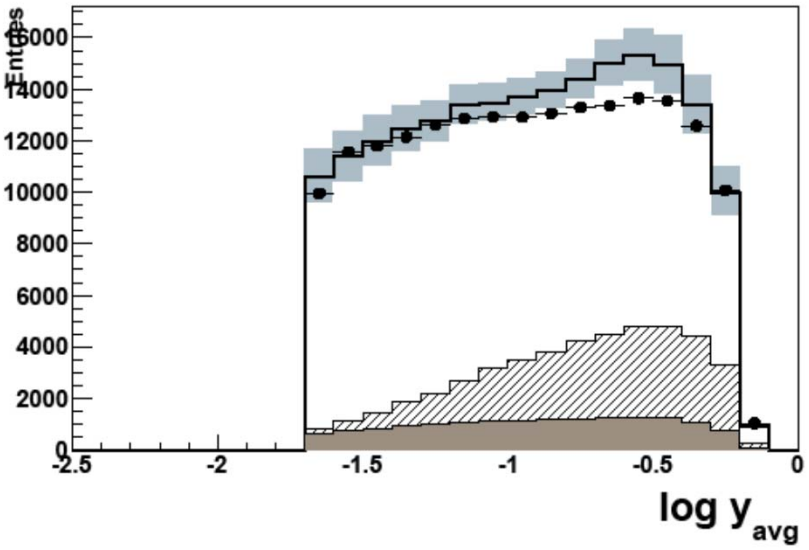


Control plots (only local vfps tracks)

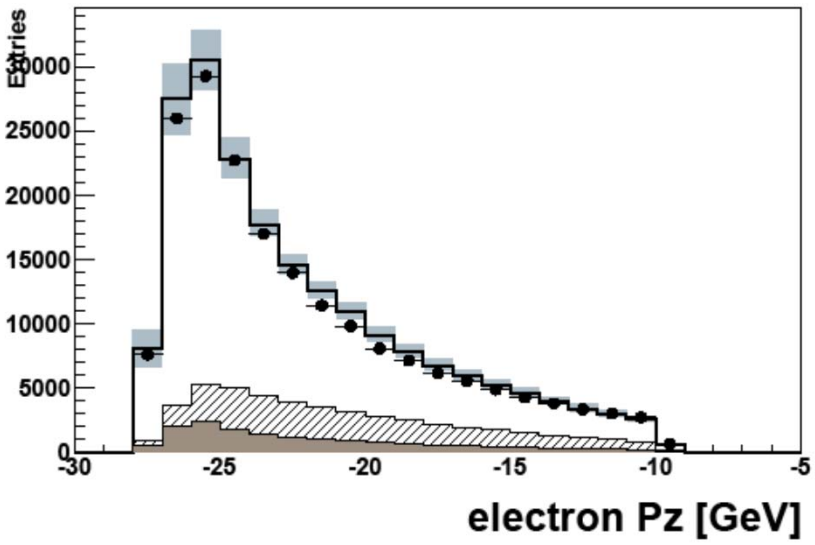


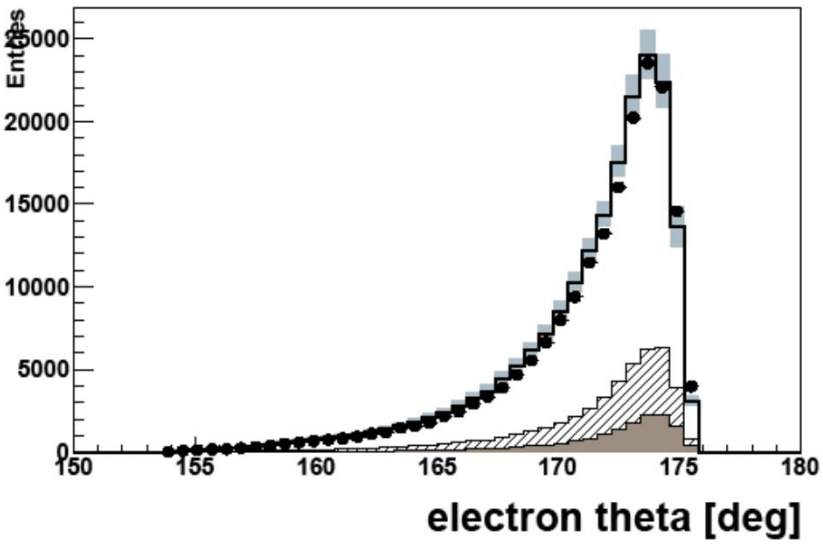


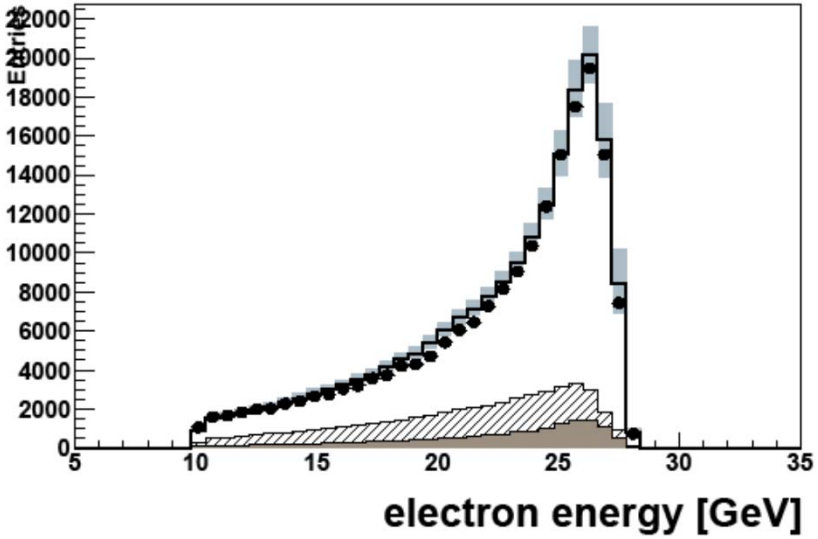


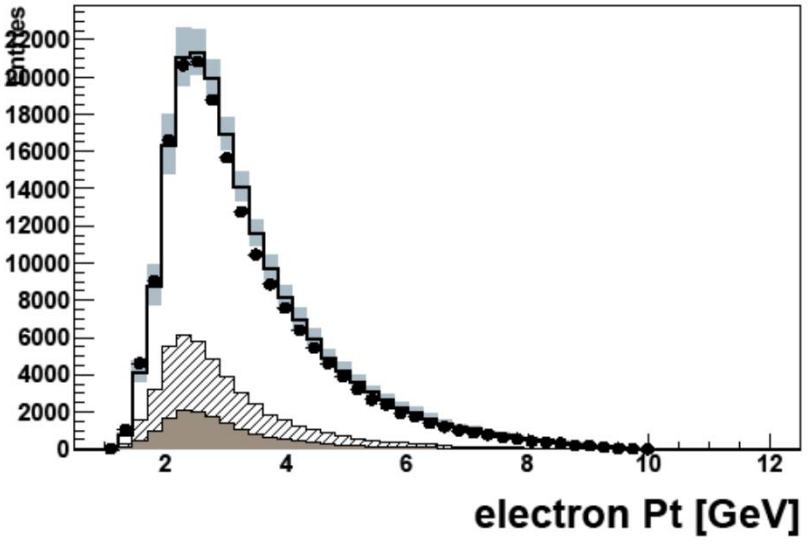


Control plots

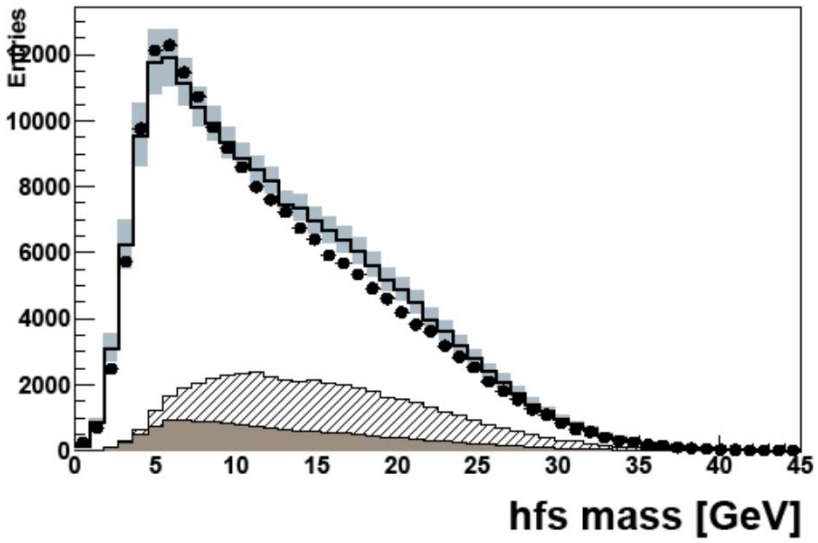


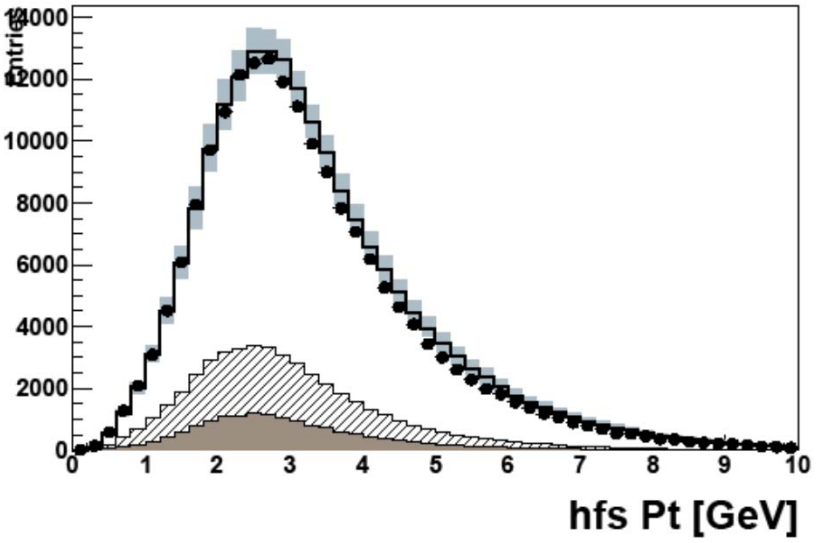


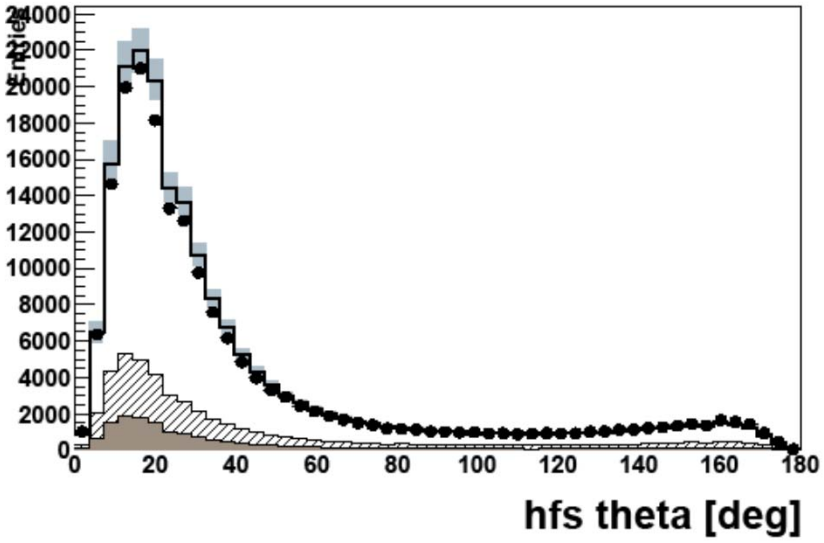


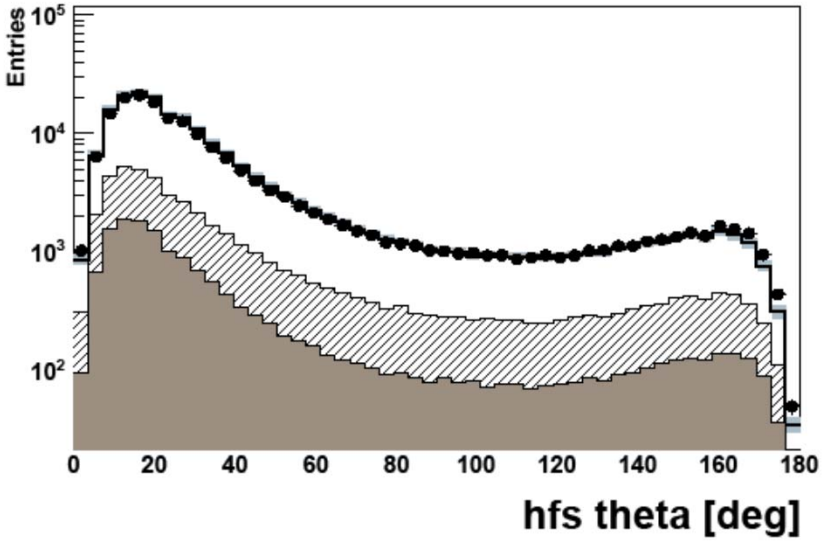


Control plots

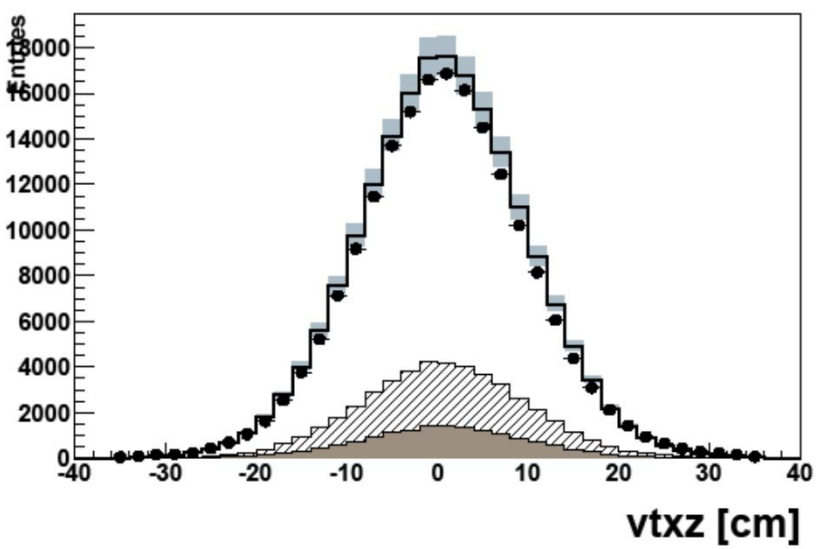


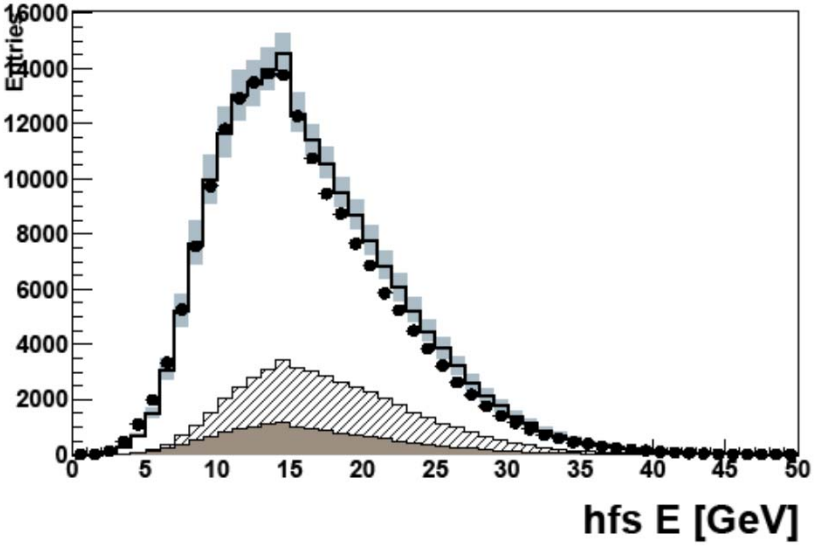






Control plots





Control plots (global track)