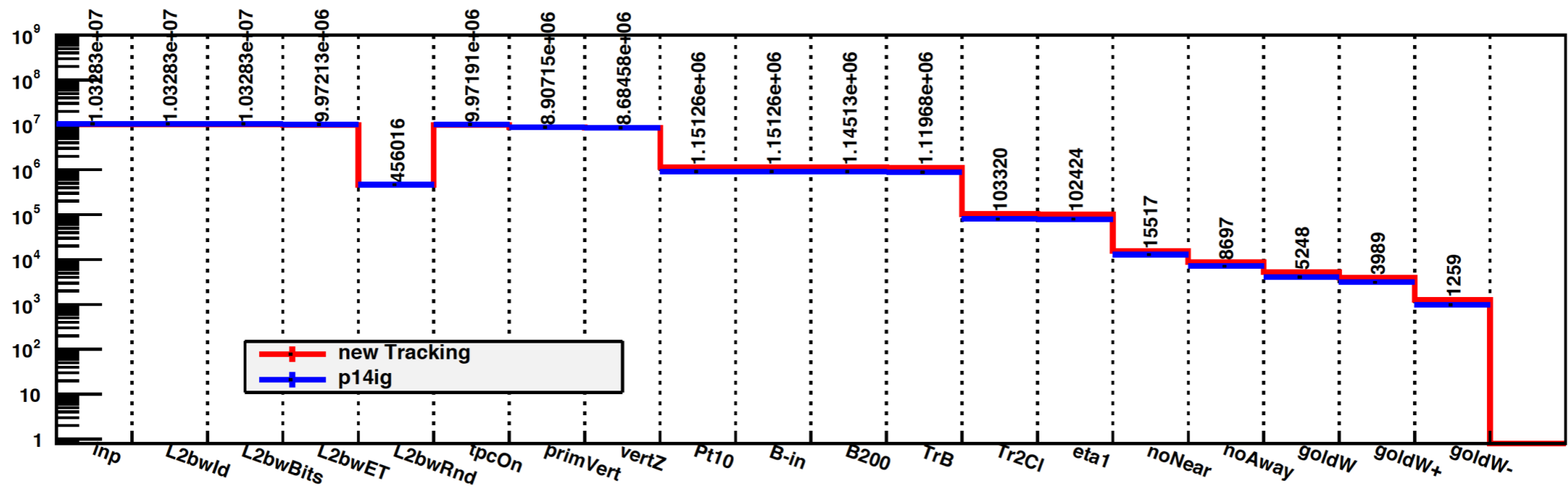

StiCA Yuri's production W -analysis

Run 13 -period 2

Devika Gunarathne

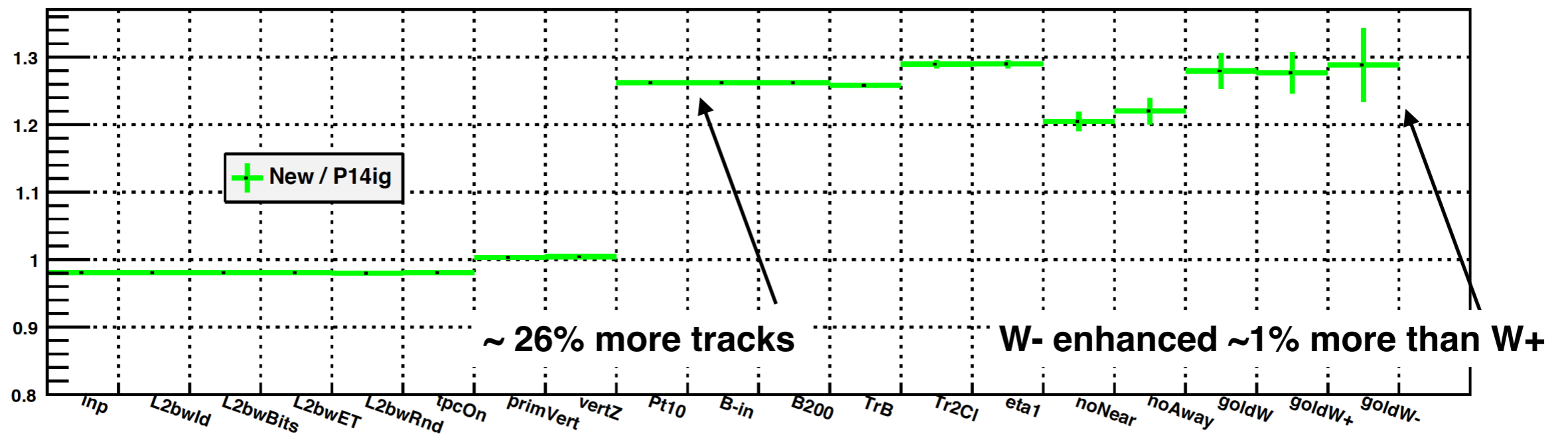
04-01-2016

nYields vs cuts



Ratio of StiCA (yuri's) tracking to STI tracking

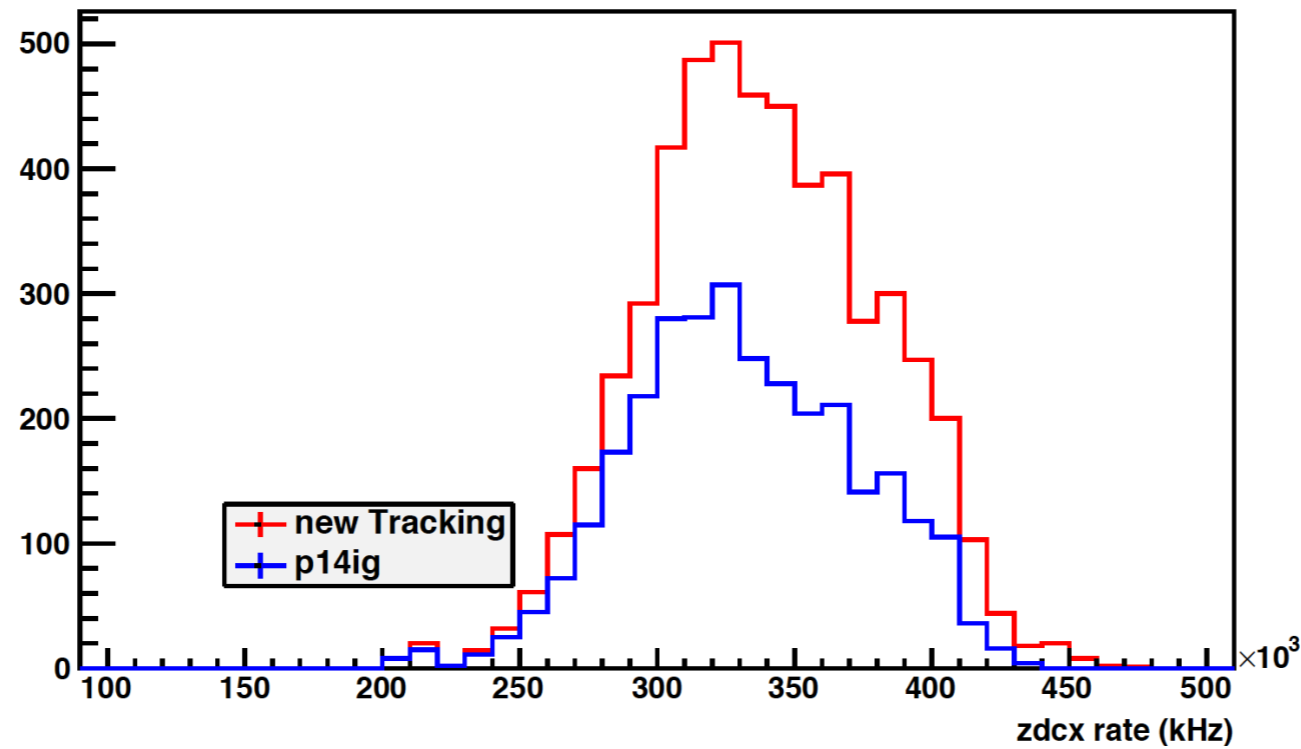
New / Old



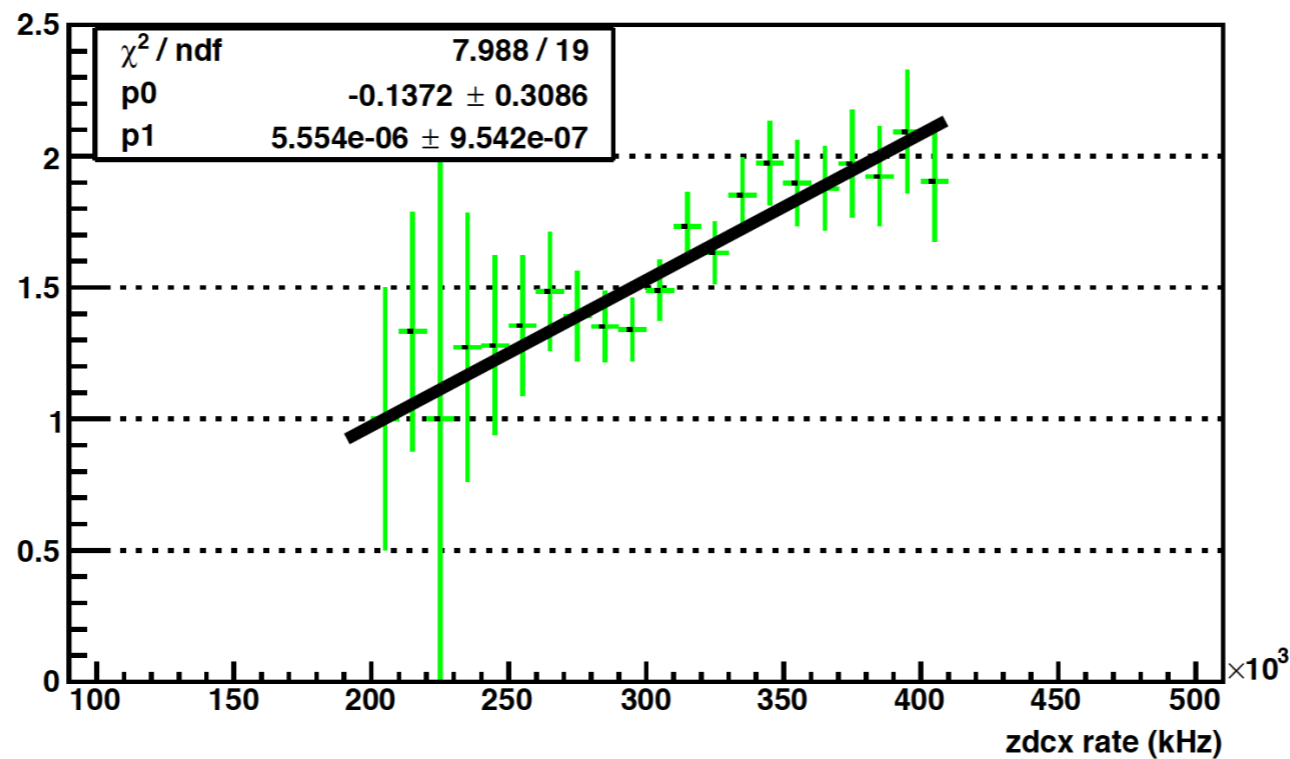
~ 26% more tracks

W- enhanced ~1% more than W+

Golden W per ZDC

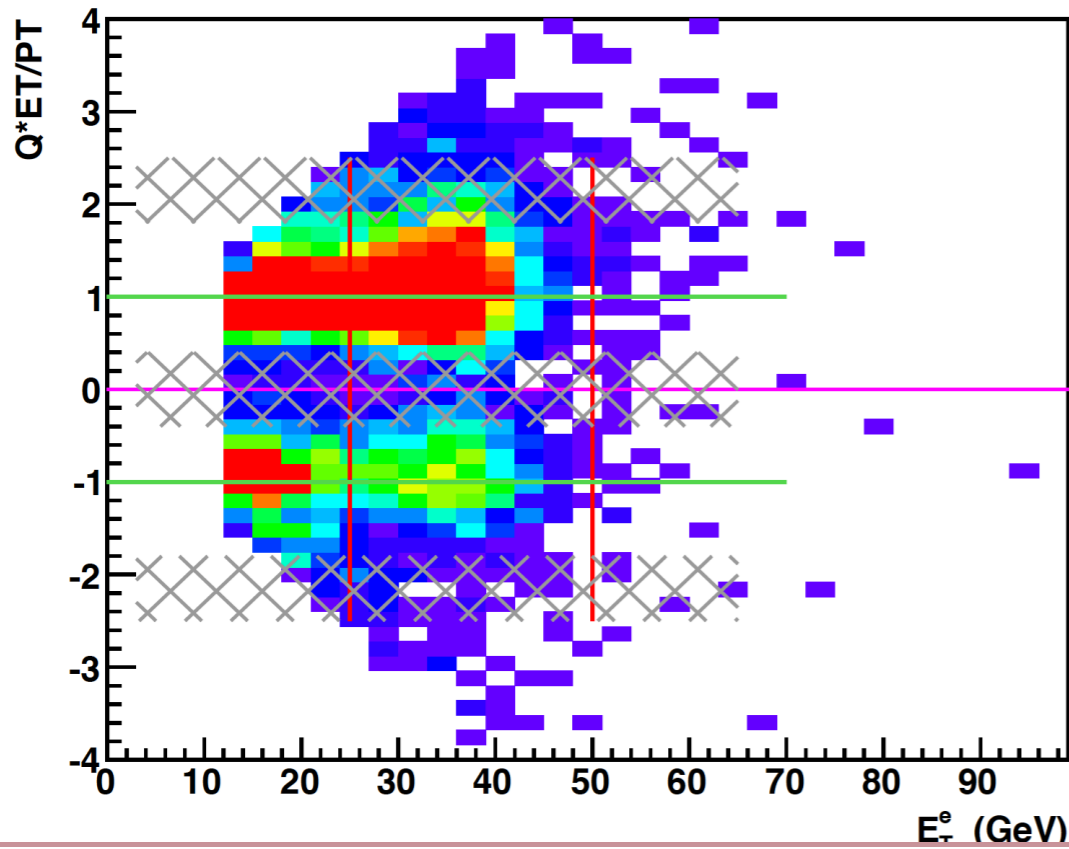


New / C Ratio of StiCA (yuri's) tracking to STI tracking

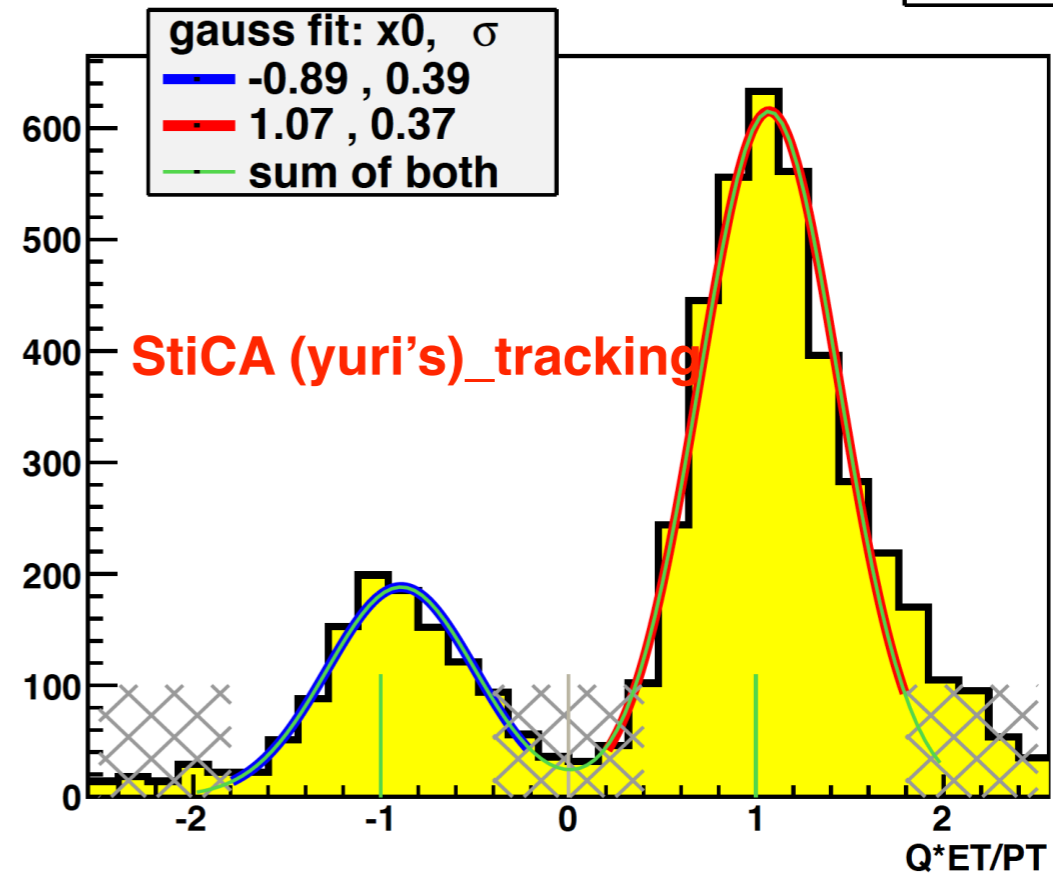


Charge separation

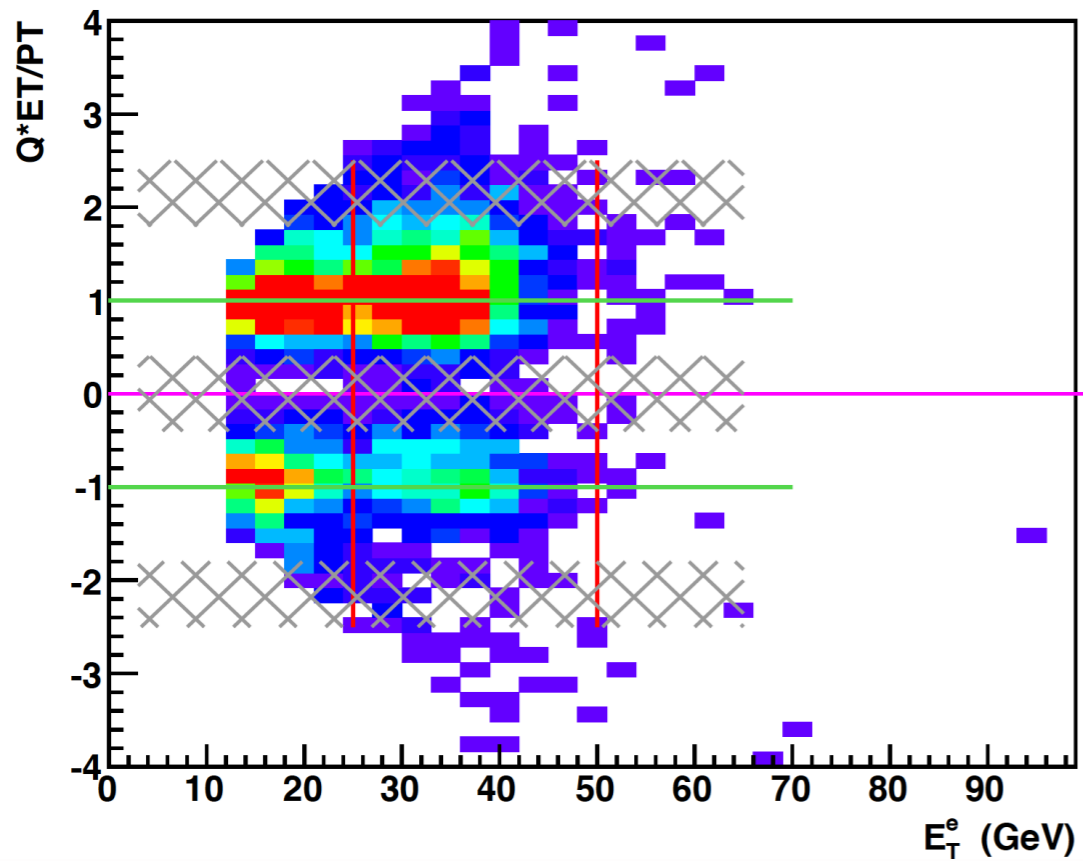
Entries 8698



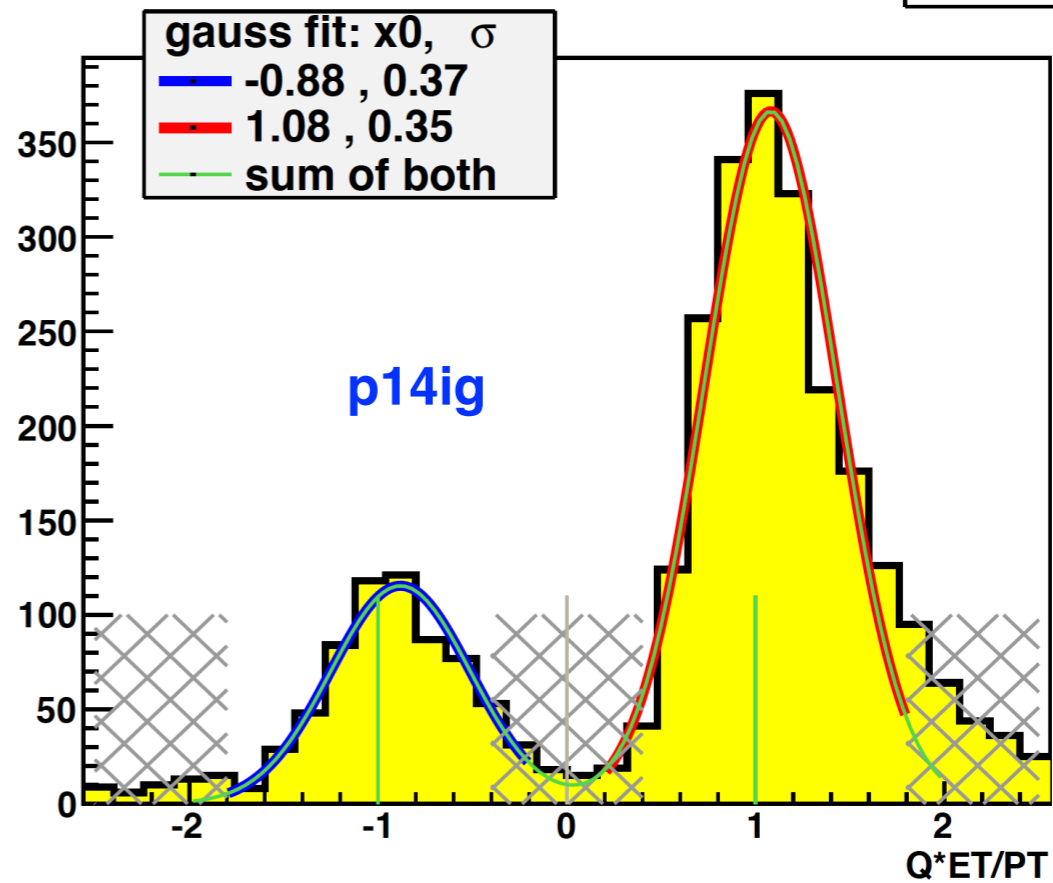
Entries 5367



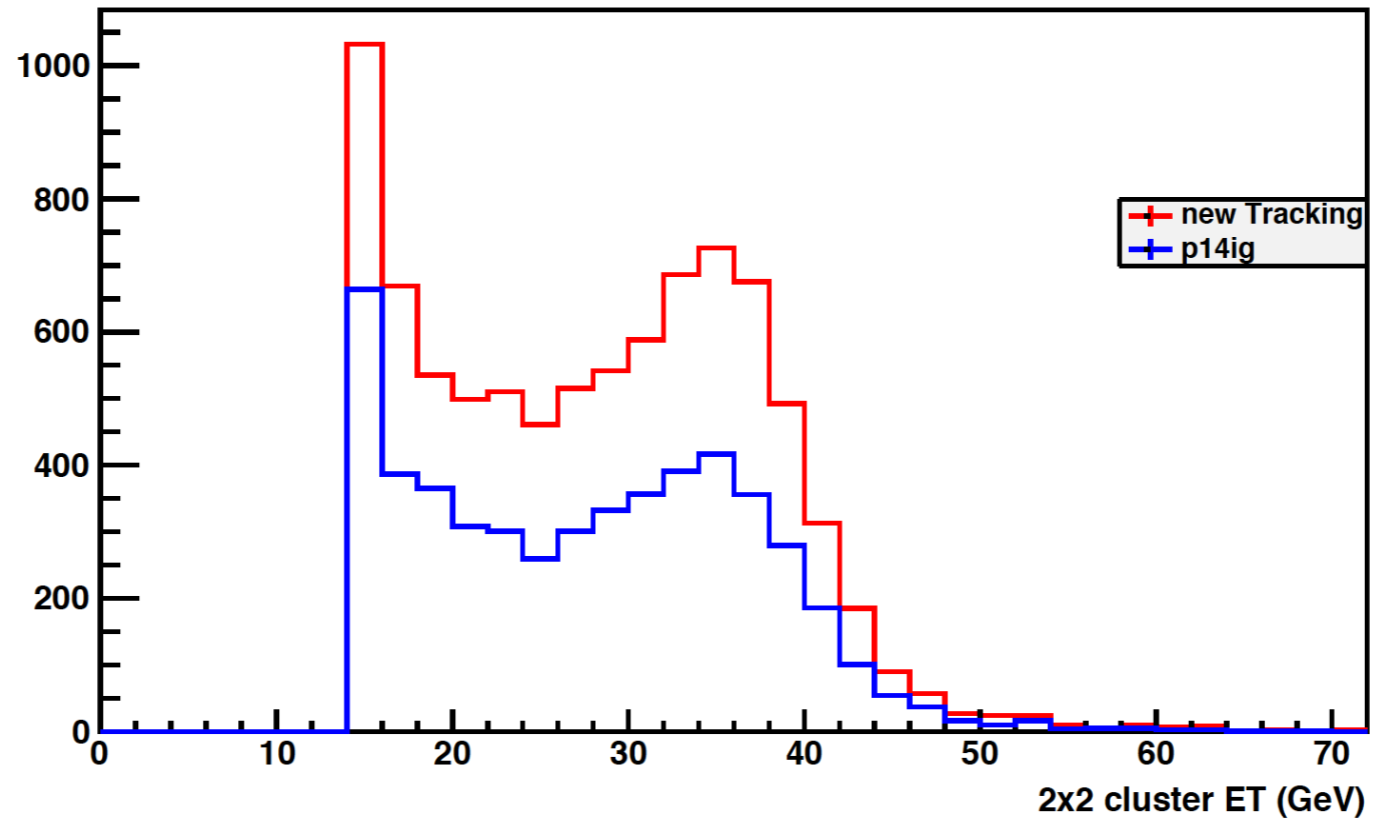
Entries 5162



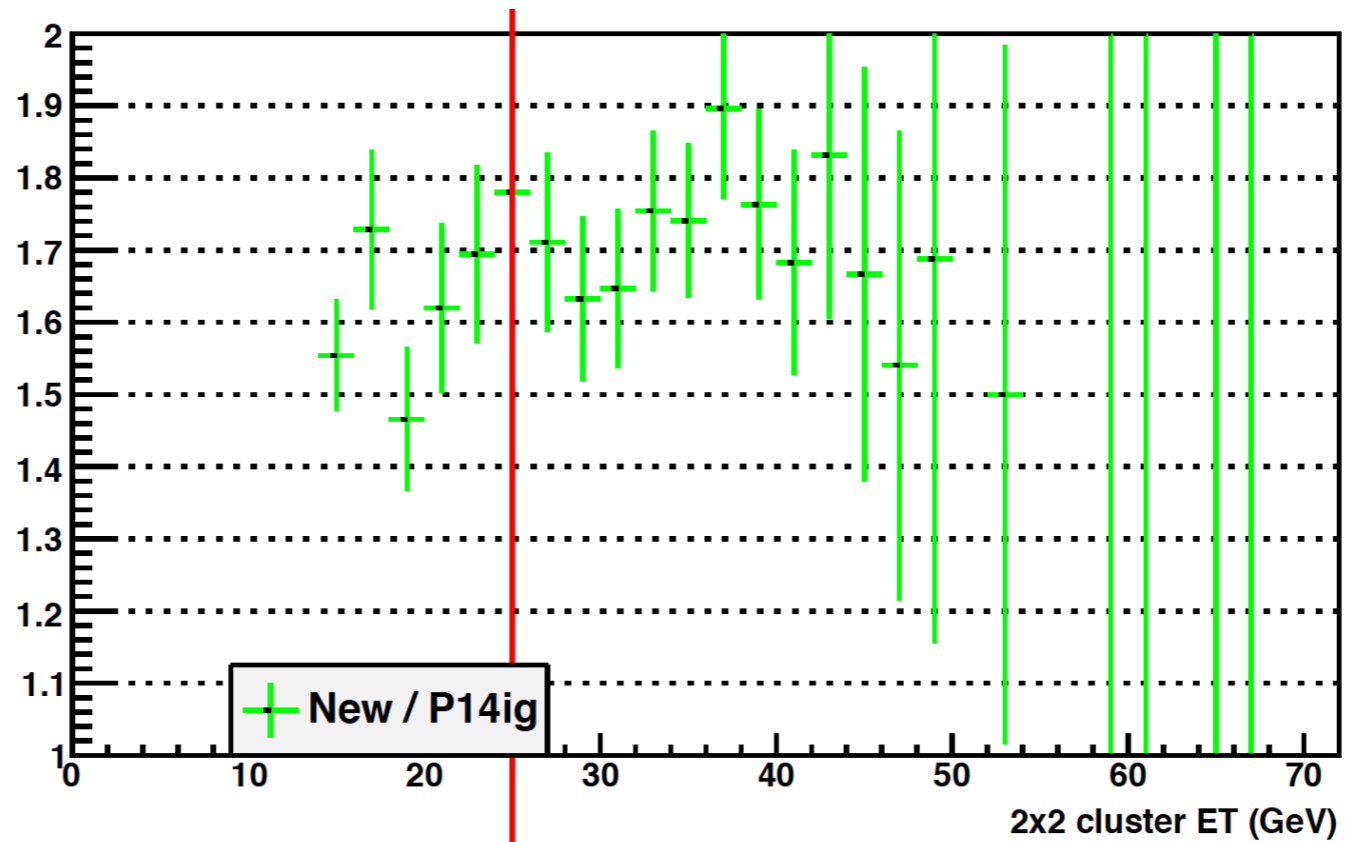
Entries 3092



Final W

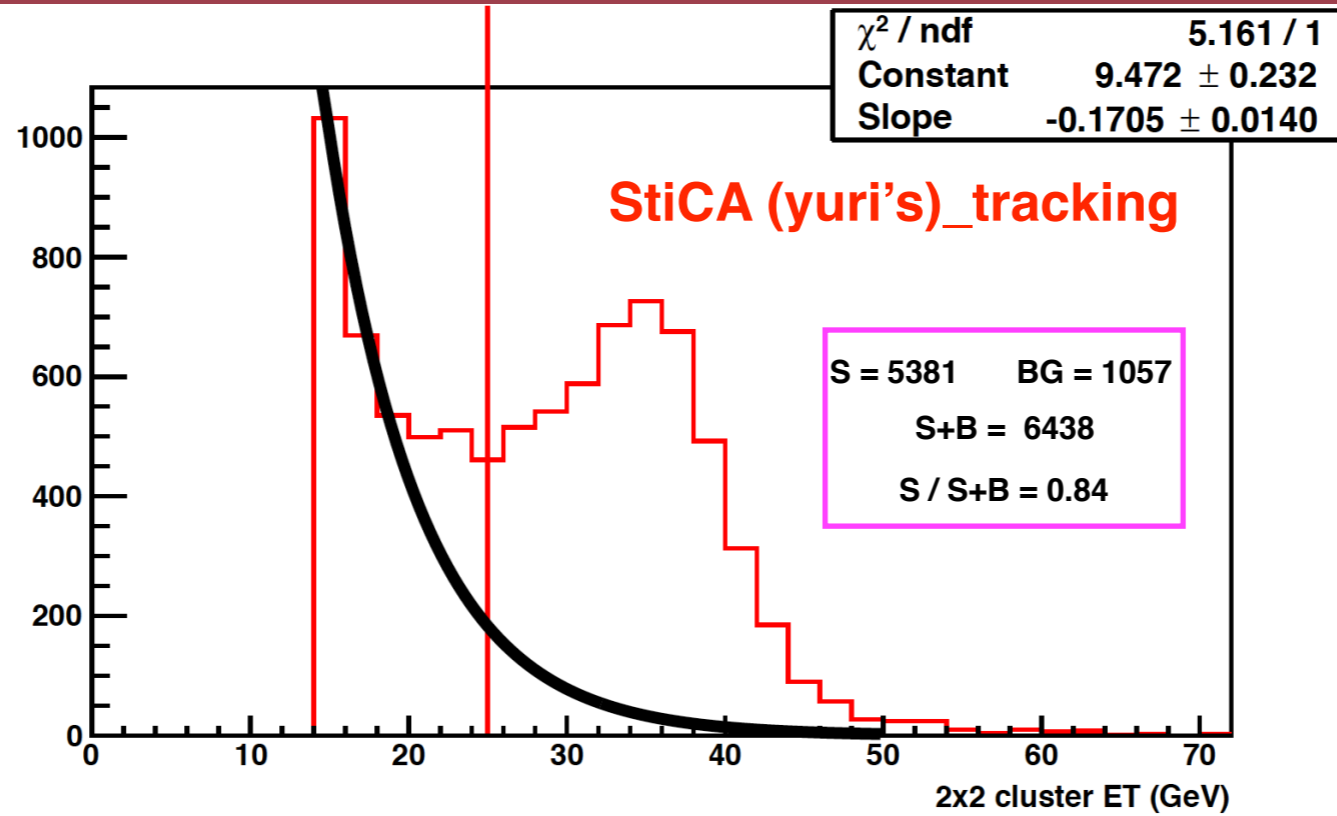


[Ratio of StiCA (yuri's) tracking to STI tracking

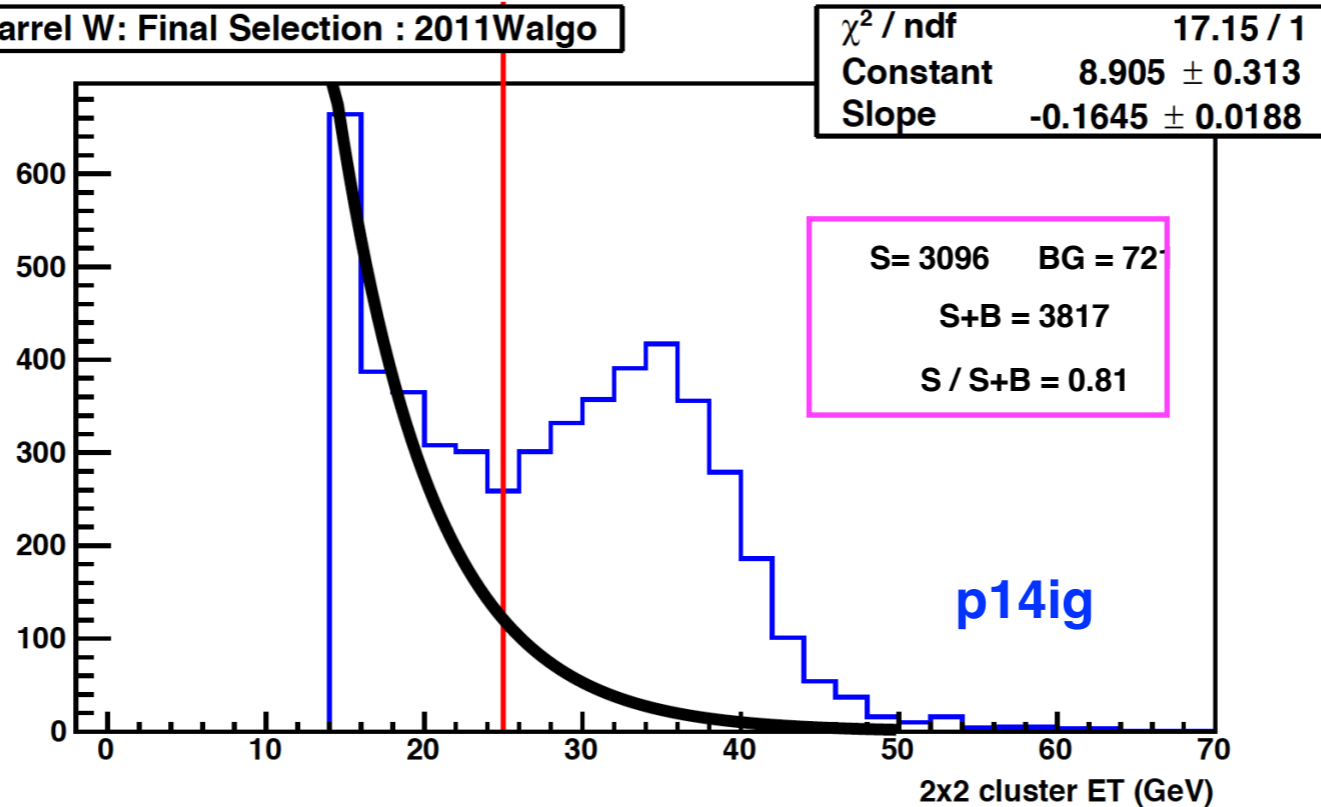


S / S+B

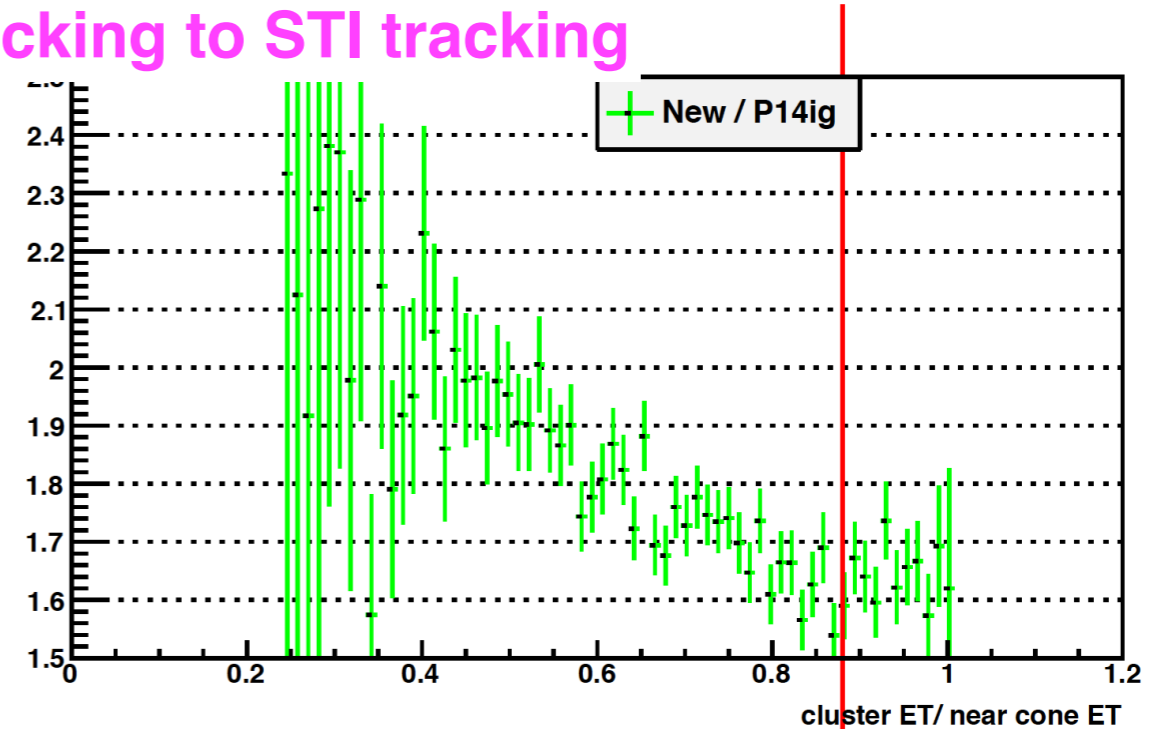
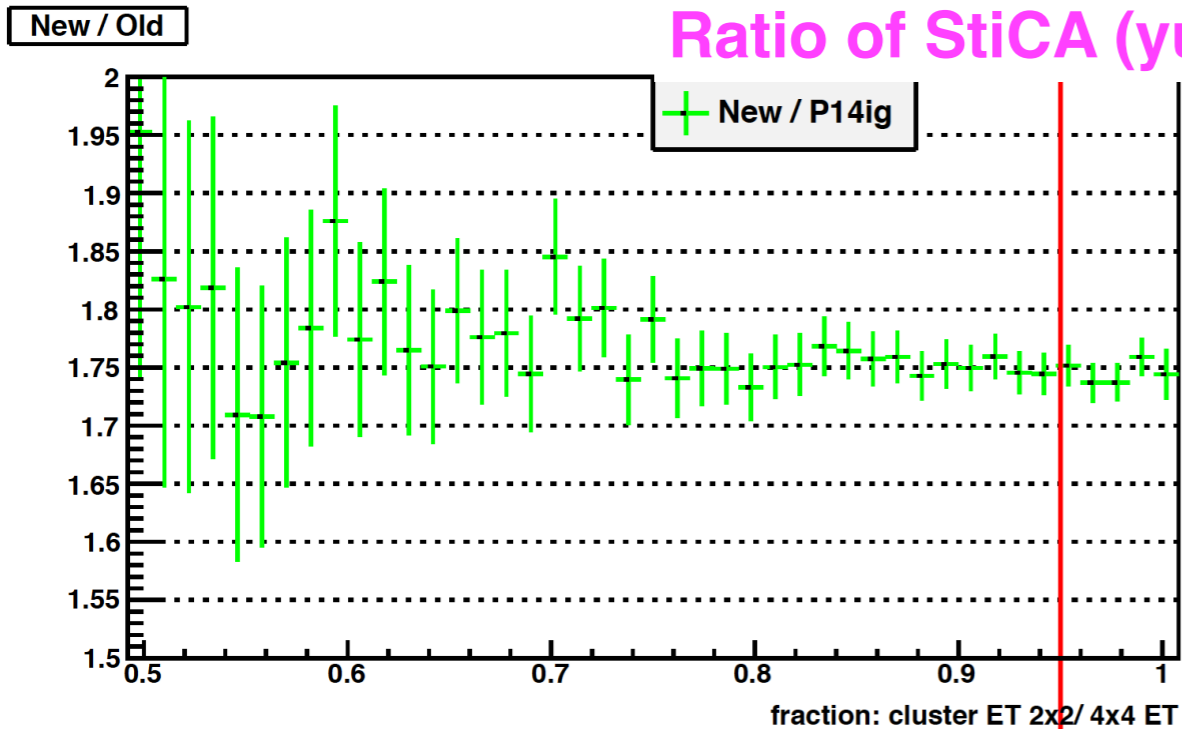
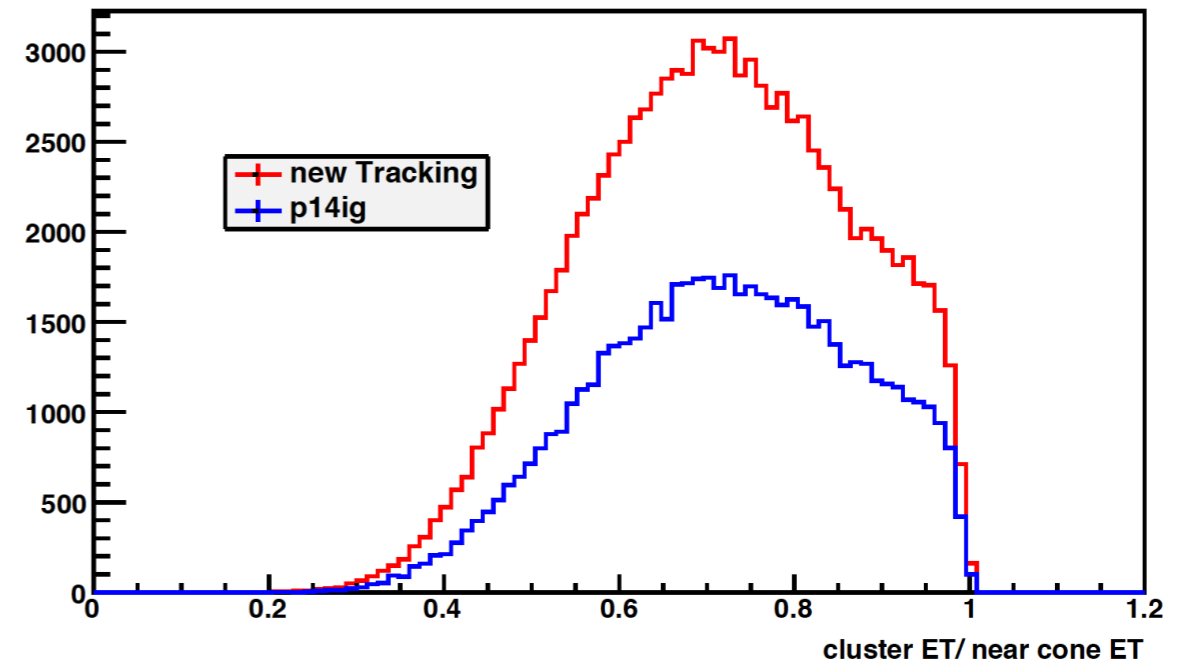
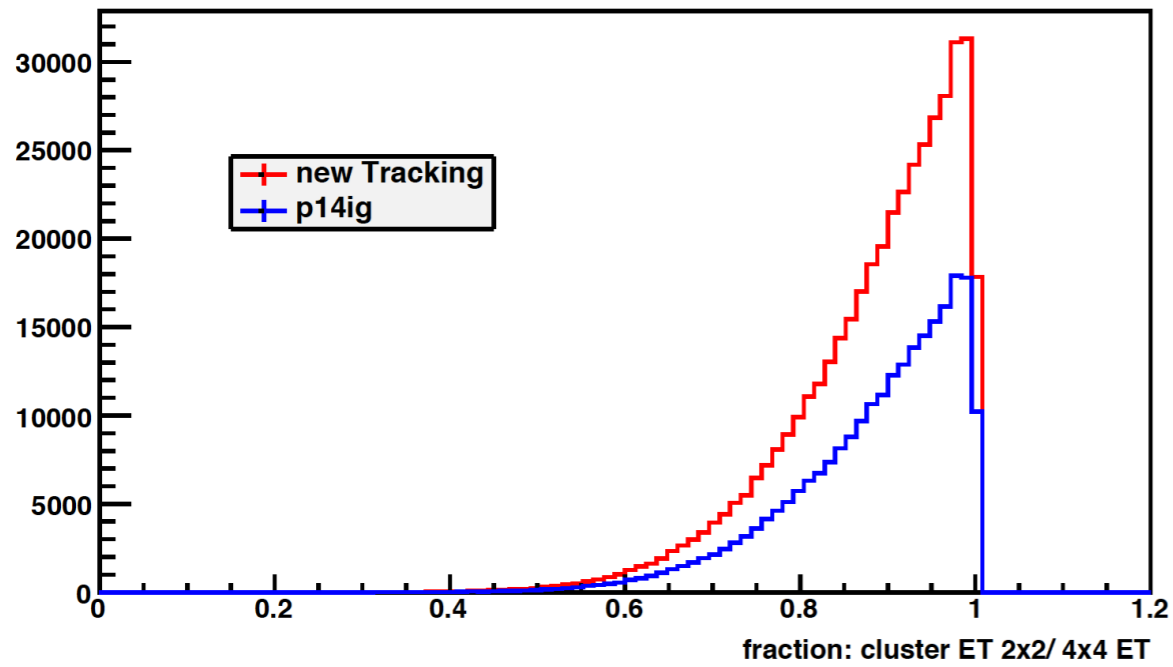
Fit with
“expo” [14,19.9]
GeV , integral
[25,50] GeV



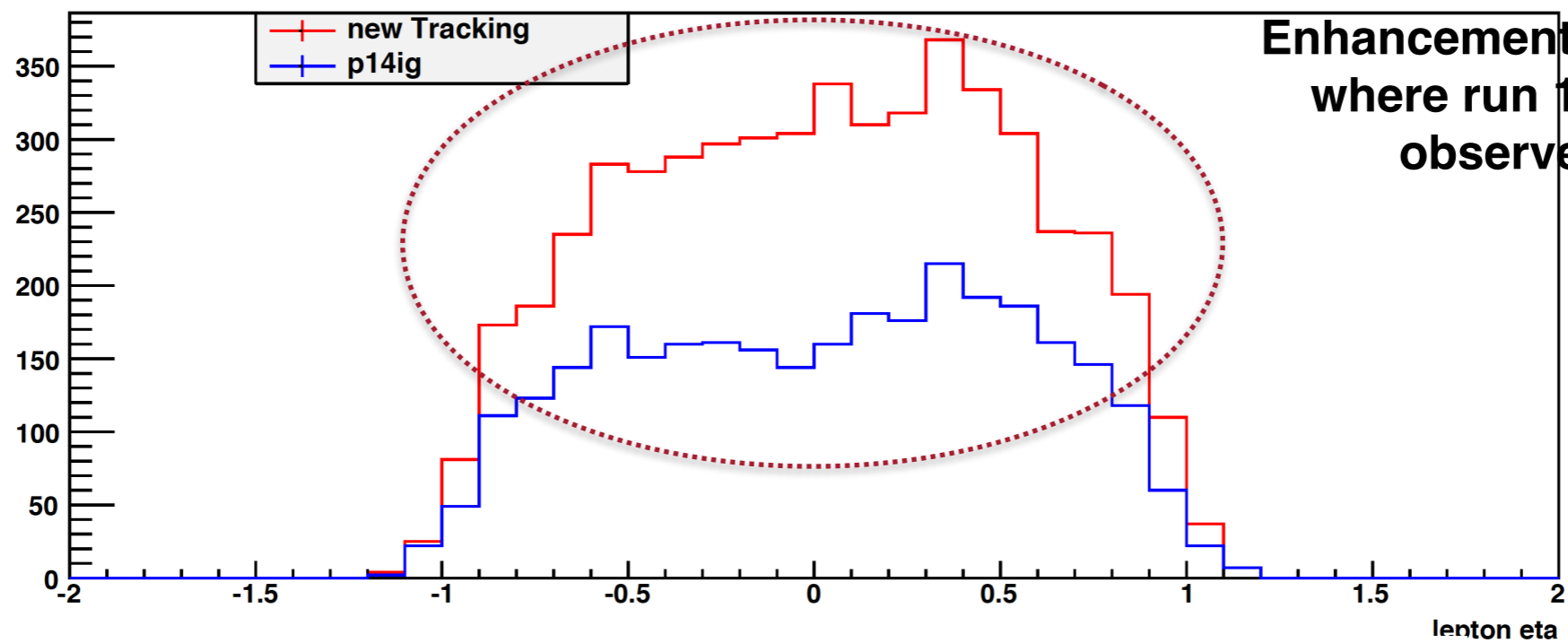
Barrel W: Final Selection : 2011Walgo



Isolation Cuts



Final W Eta



Enhancement in mid-rapidity
where run 13 W analysis
observed eta-dip

Ratio of StiCA (yuri's) tracking to STI tracking

