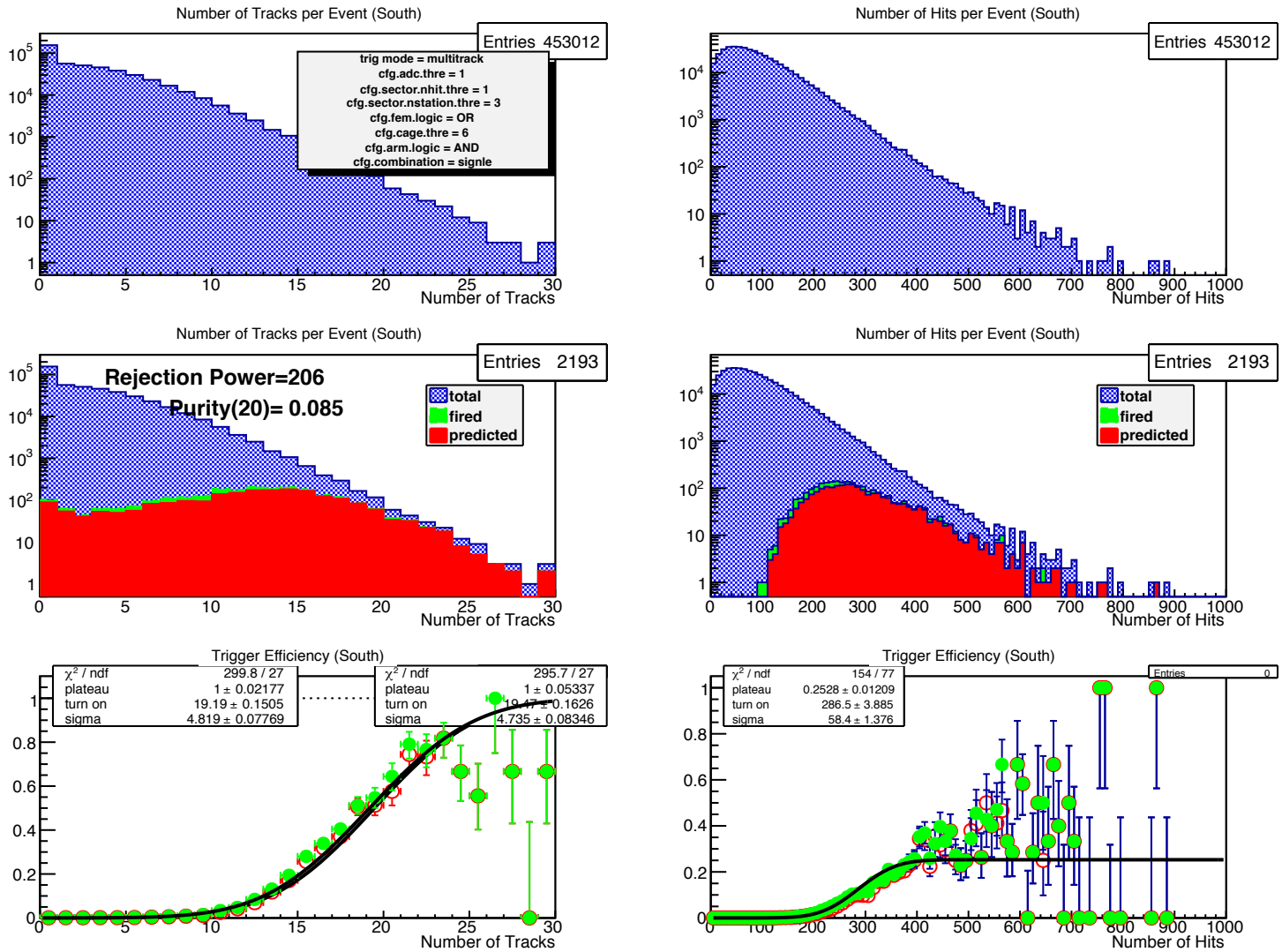
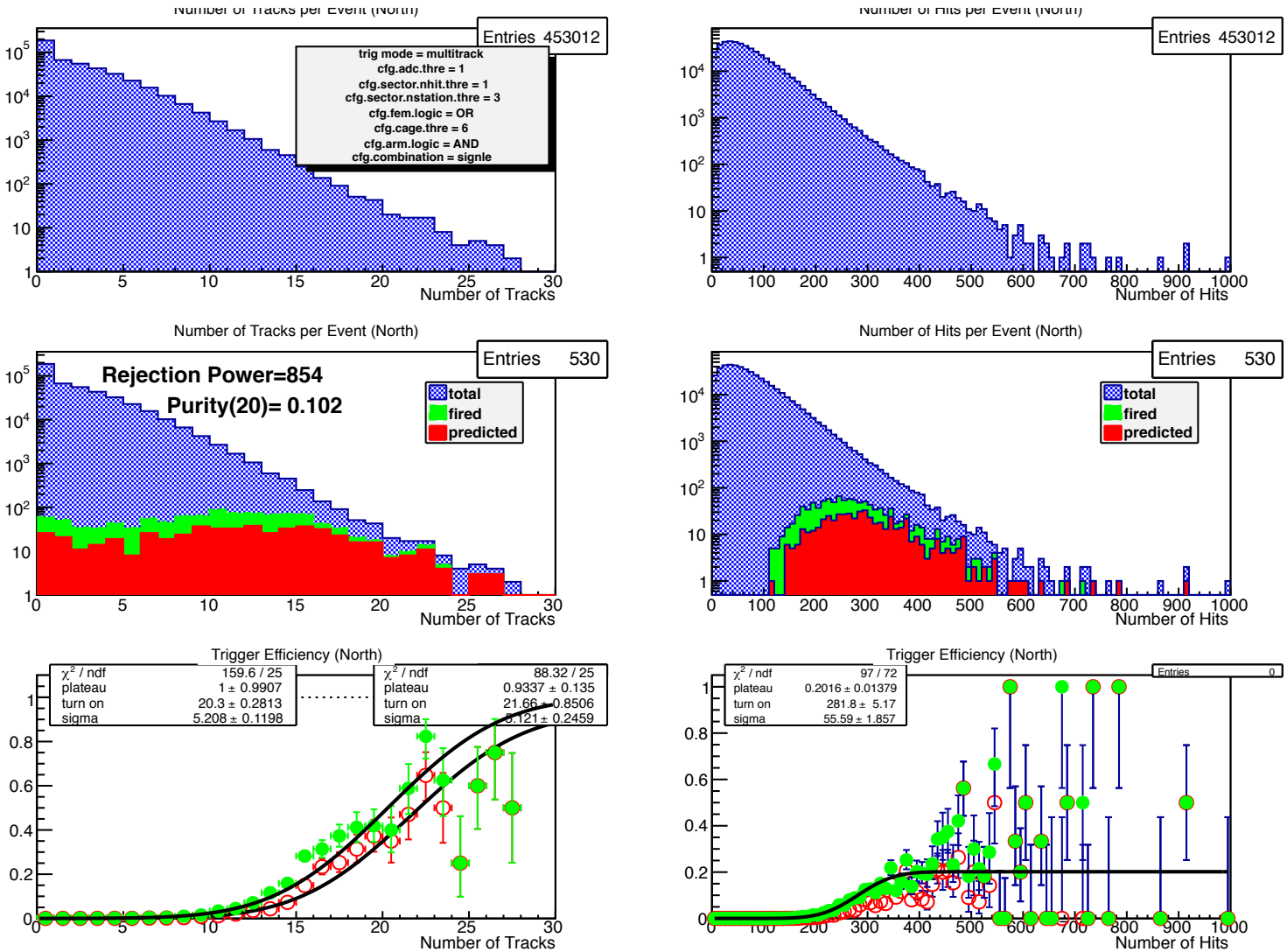
South Performance

Run# 425692



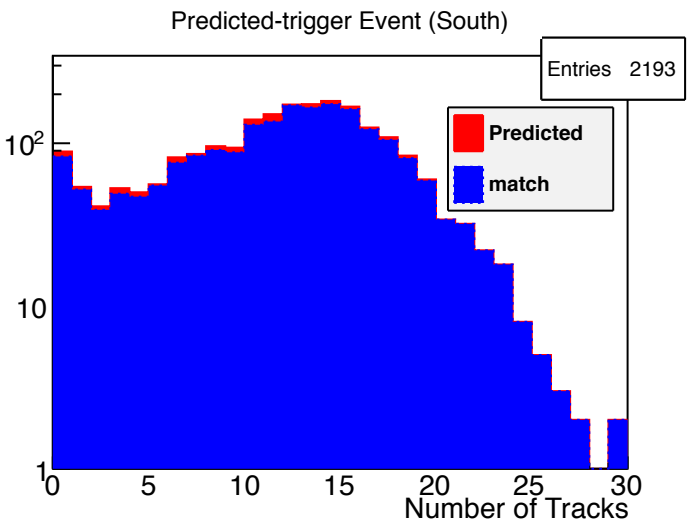
Rejection power w.r.t MUID1D

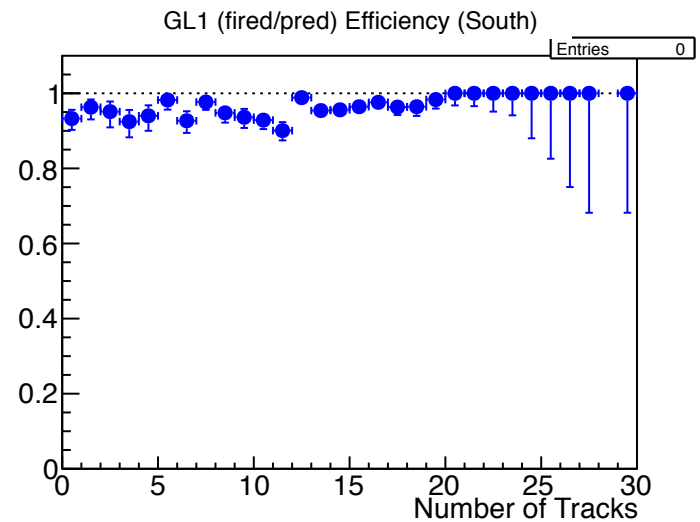
North Performance

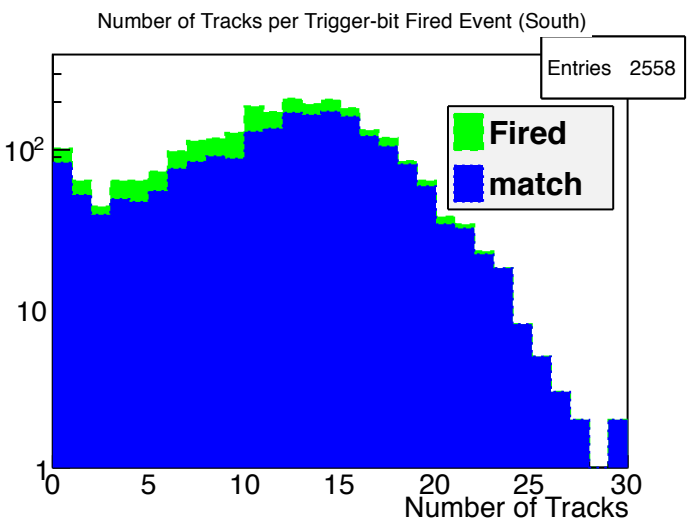


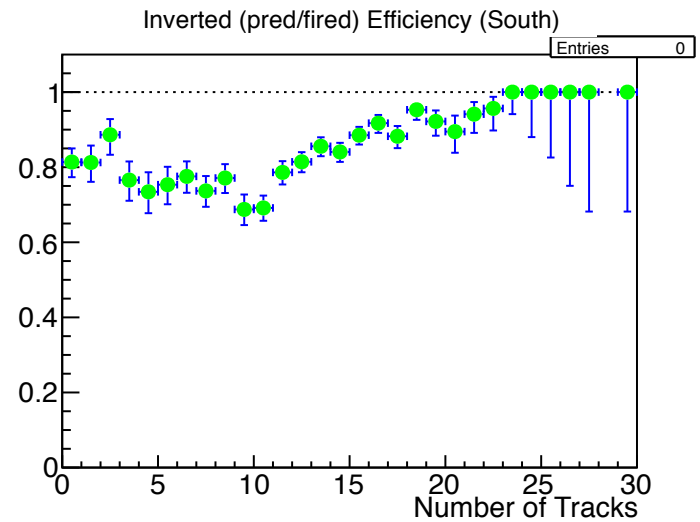
GL1 Efficiency (South)

Run# 425692



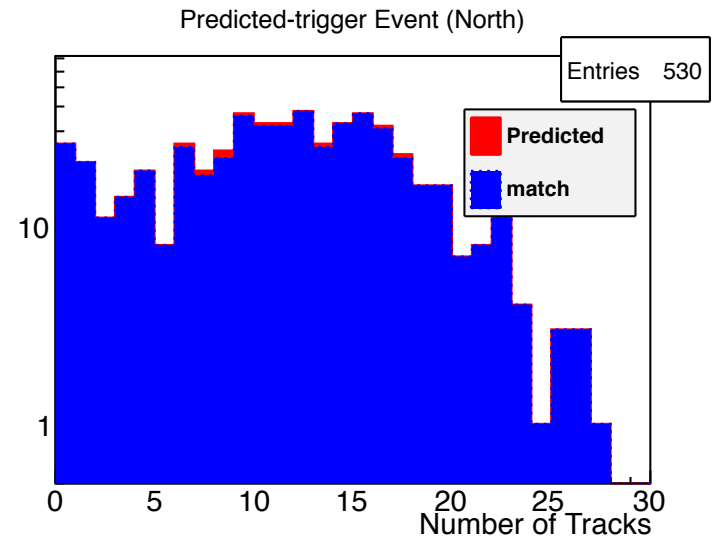


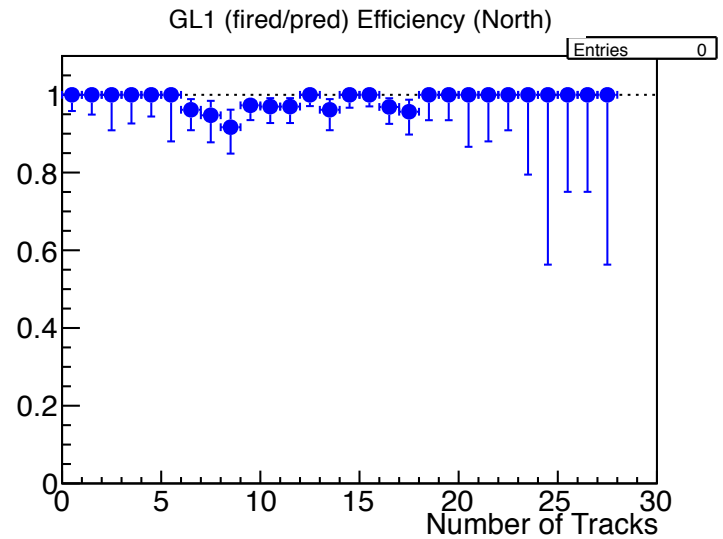


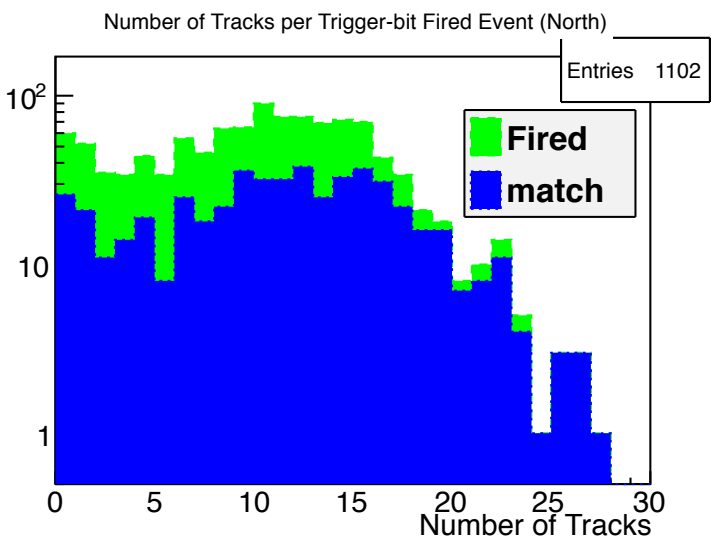


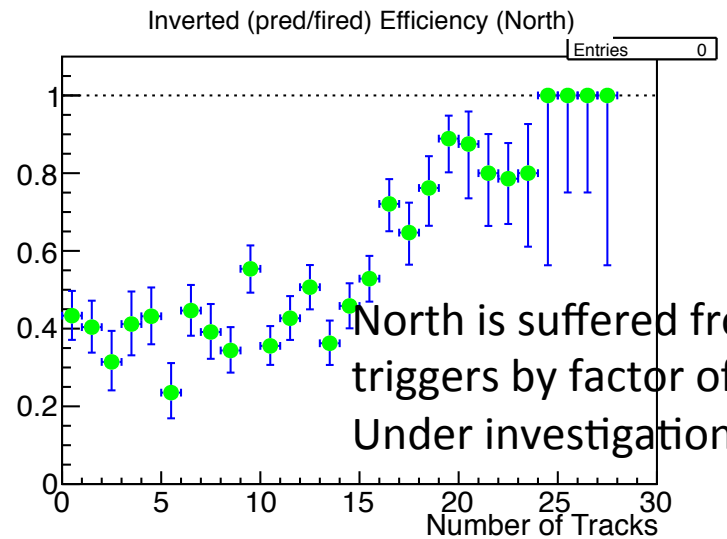
GL1 Efficiency (North)

Run# 425692



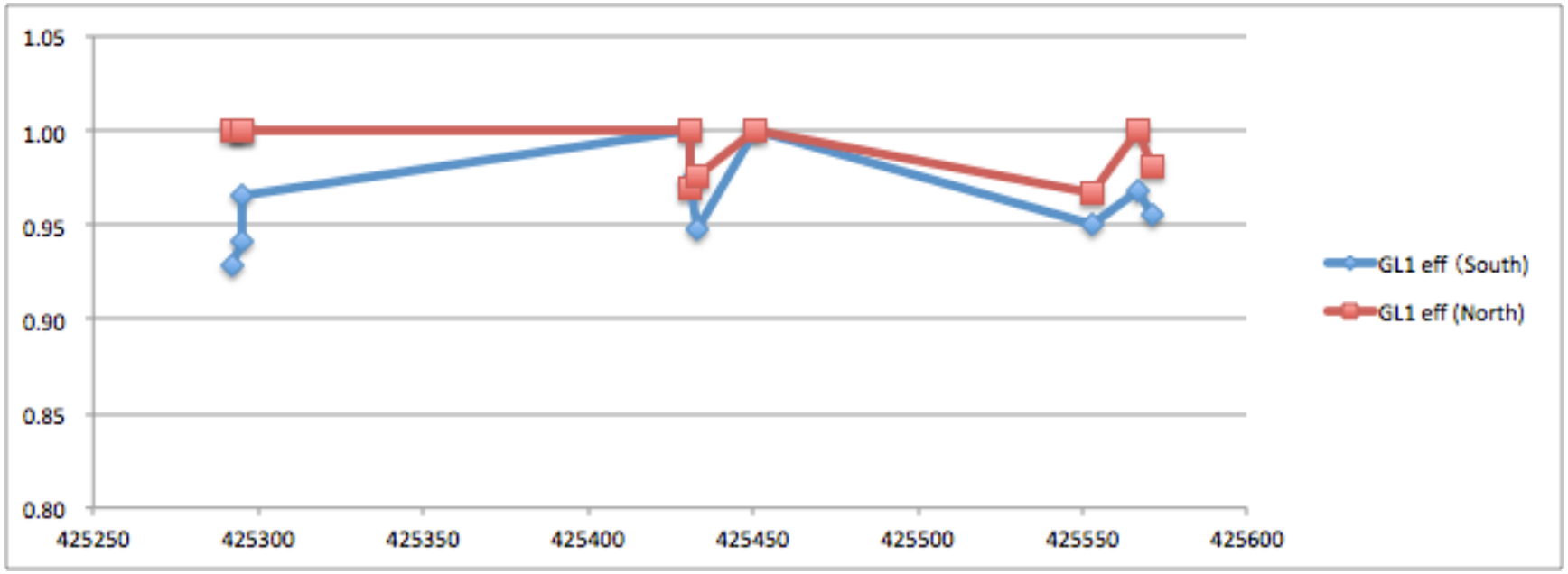






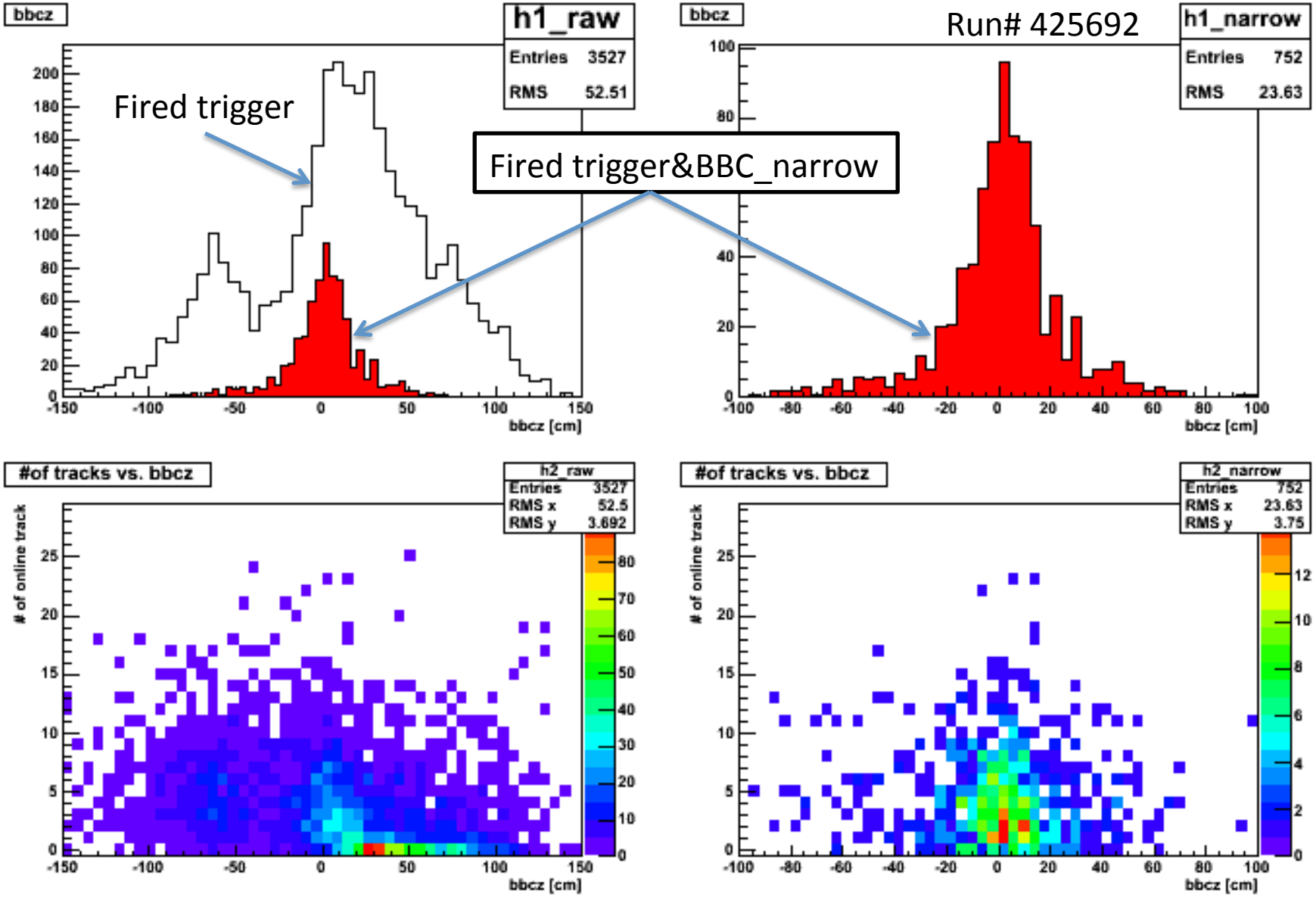
North is suffered from fake triggers by factor of 1.4 or so.
Under investigation

GL1 Trigger Efficiency last Few Days

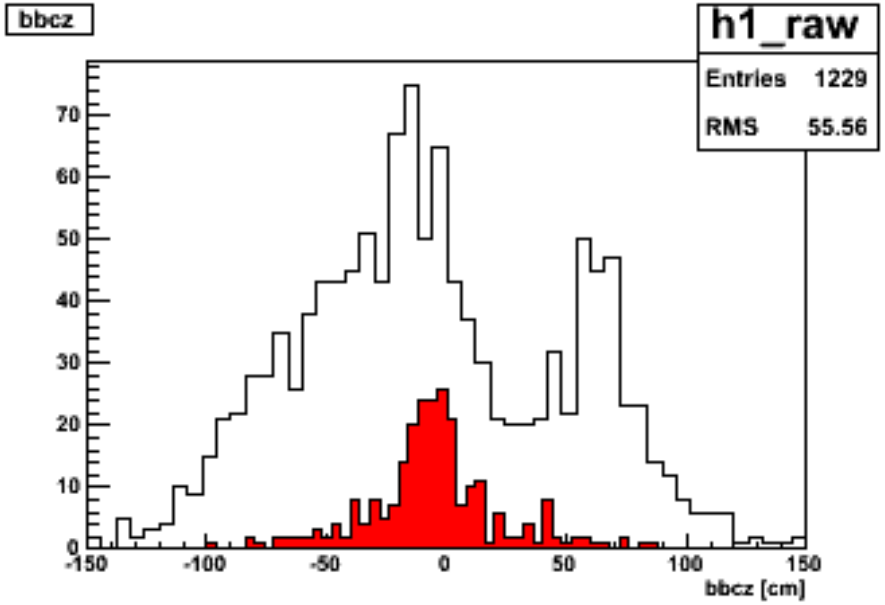


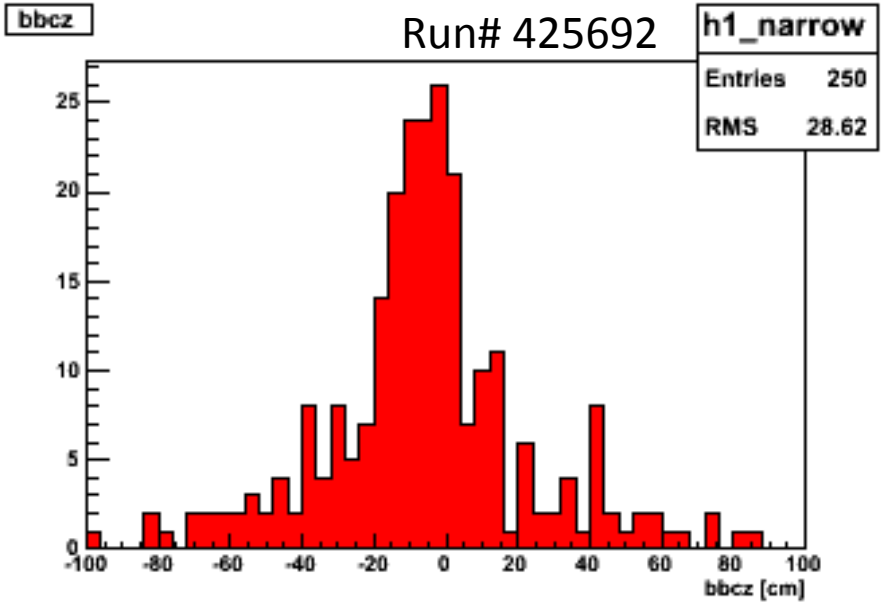
The source of GL1 inefficiency is under investigation.

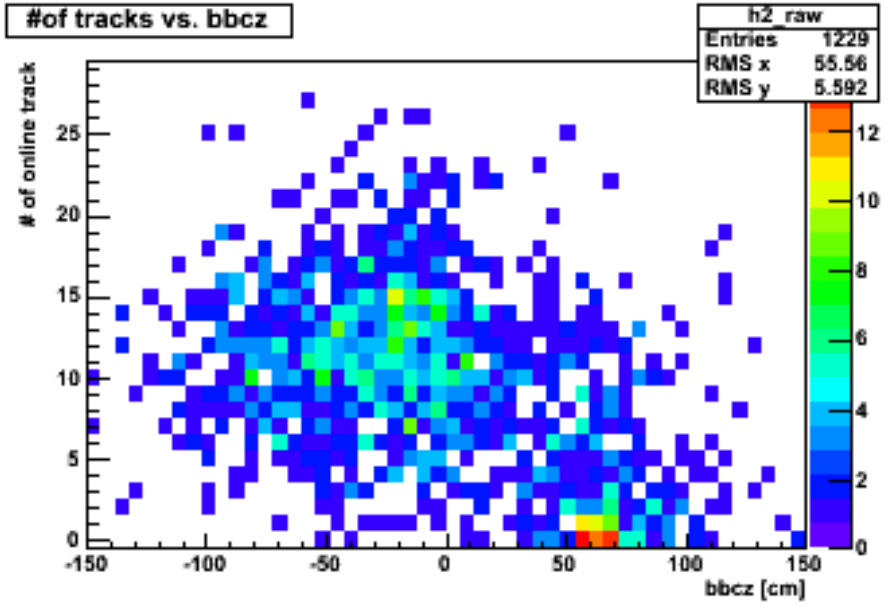
FVTX_HighMult_S bbcz dependence

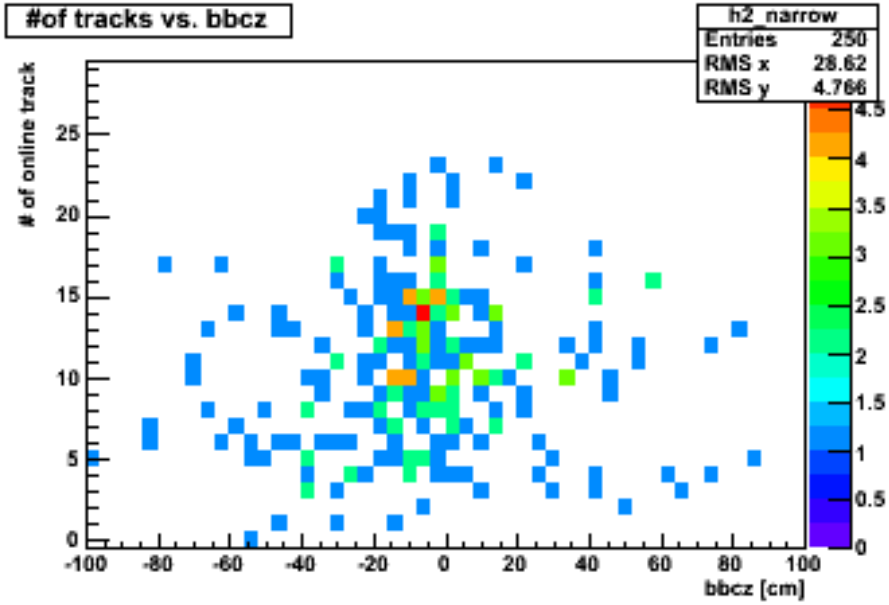


FVTX_HighMult_N bbcz dependence







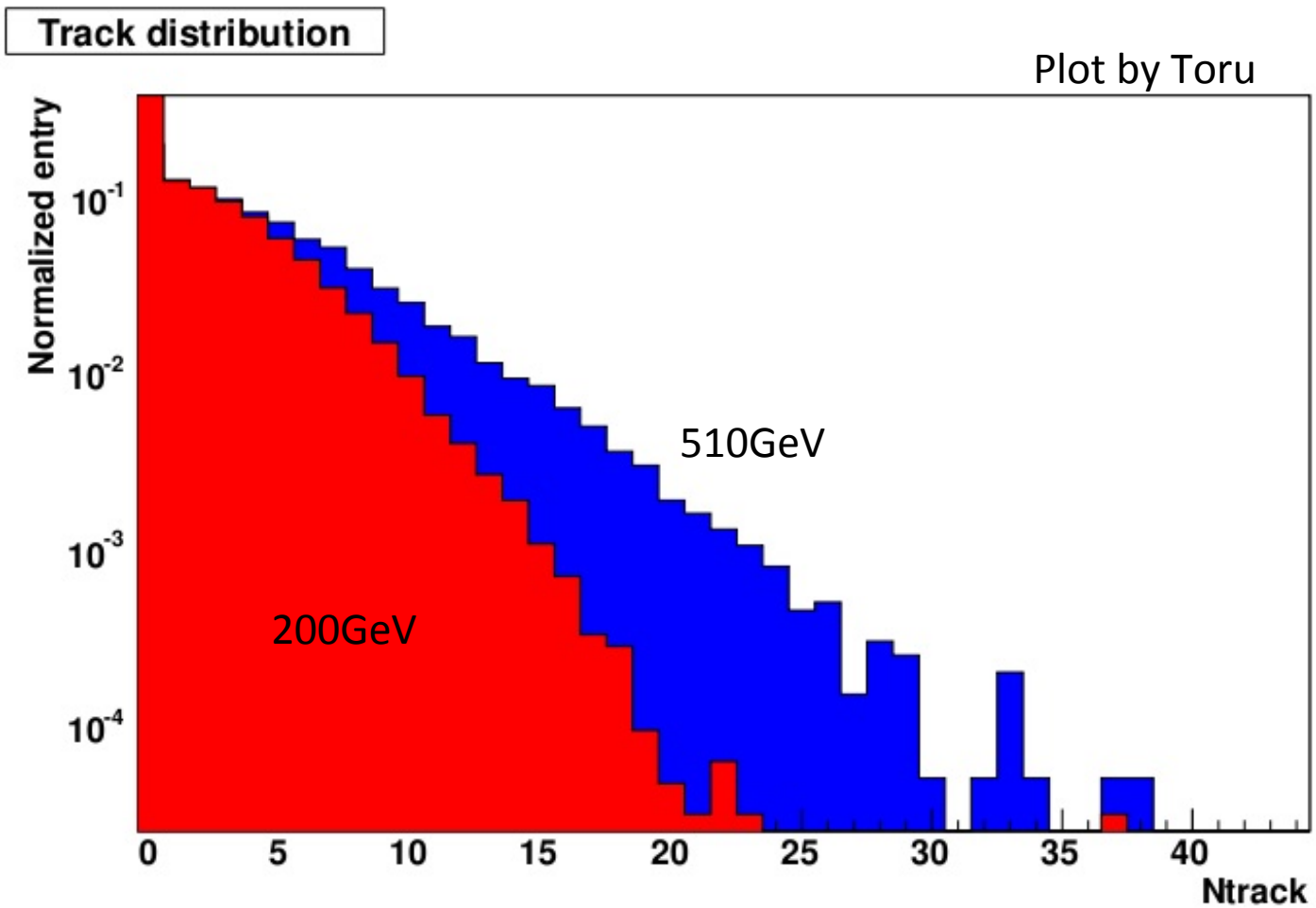


Statistics Estimate

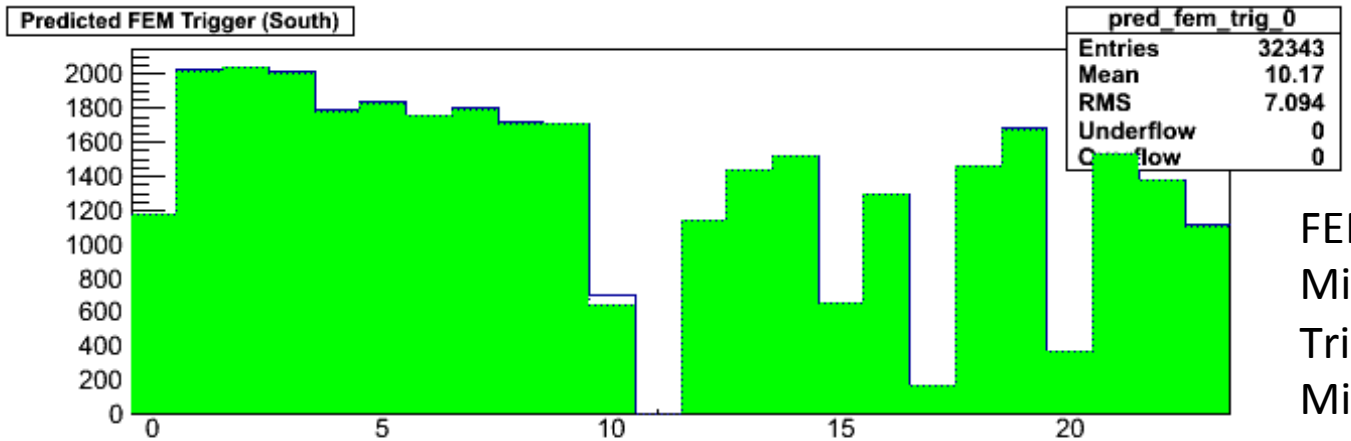
- 200Hz x 6/9 weeks ~ 300M x 0.66 = 200Mevents
- 200M x 0.08 purity = 16 Mevents
- Factor of 2 ~ 3 more bandwidth will be help to get closer to the past measurement.

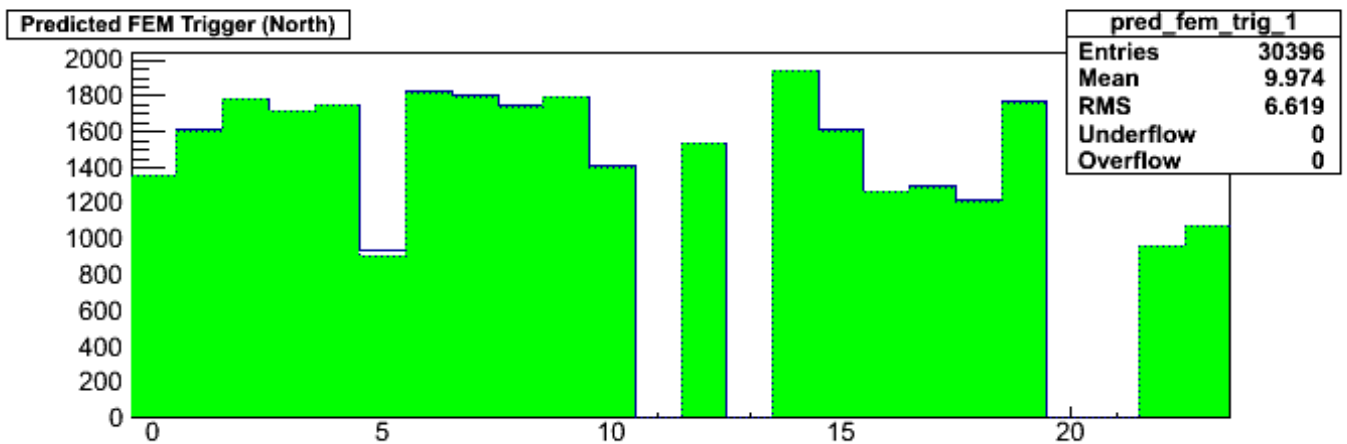
80M events 0-5% Central dAu in Run8

200GeV vs. 500GeV



Trigger Efficiency FEM by FEM





FEMIB Logic : OR
Minimum FEMs : 1
Trigger config logic : AND
Minimum hits : 4
Minimum wedges : 3

Run425571 (2015-03-07 22:16:25)
South GL1 Eff = 0.995, Inv Eff=0.914
North GL1 Eff= .996, Inv Eff=0.858

North event rate : ~ 5.0k
South event rate : ~ 5.3k