Run34 quick beam analysis report

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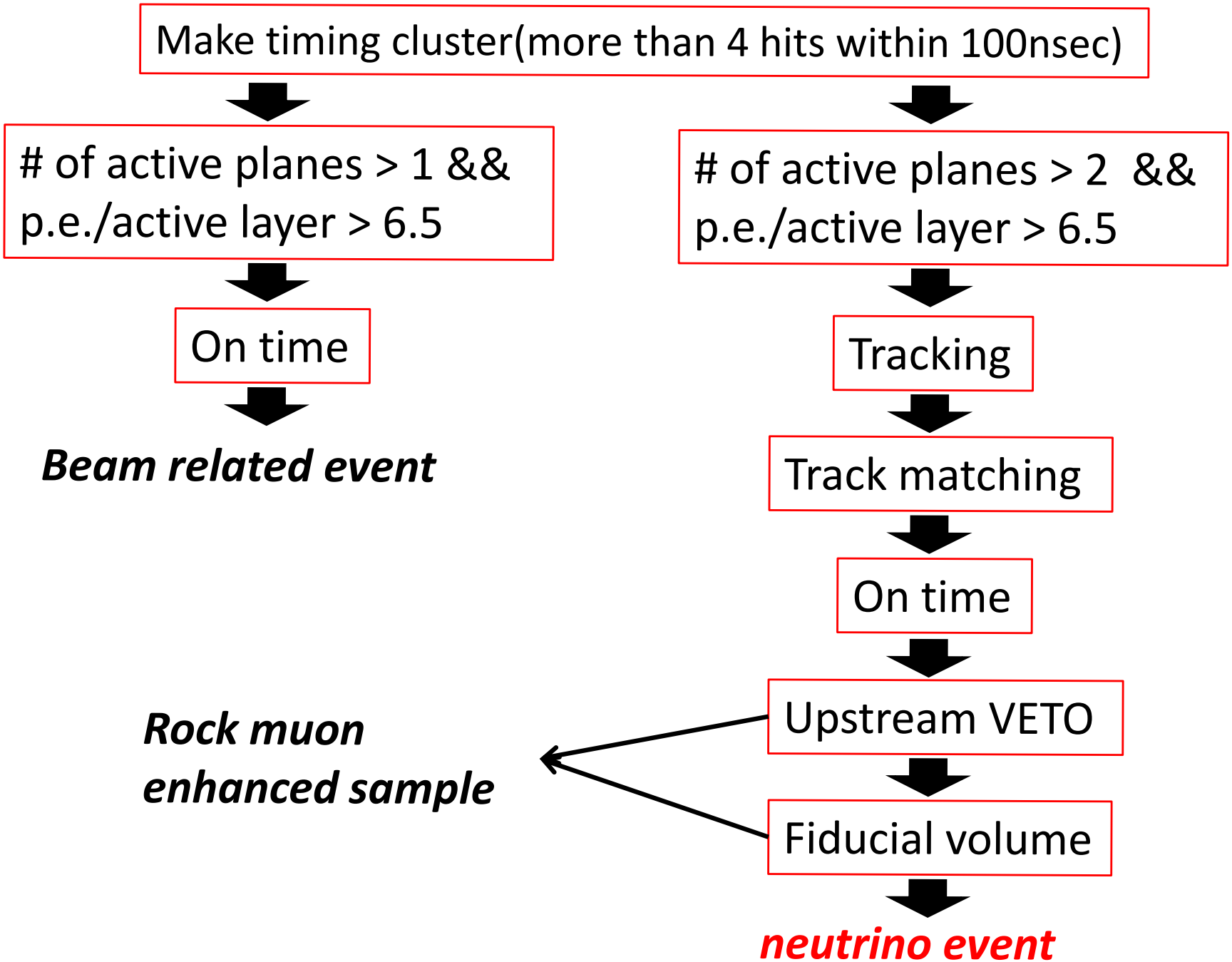
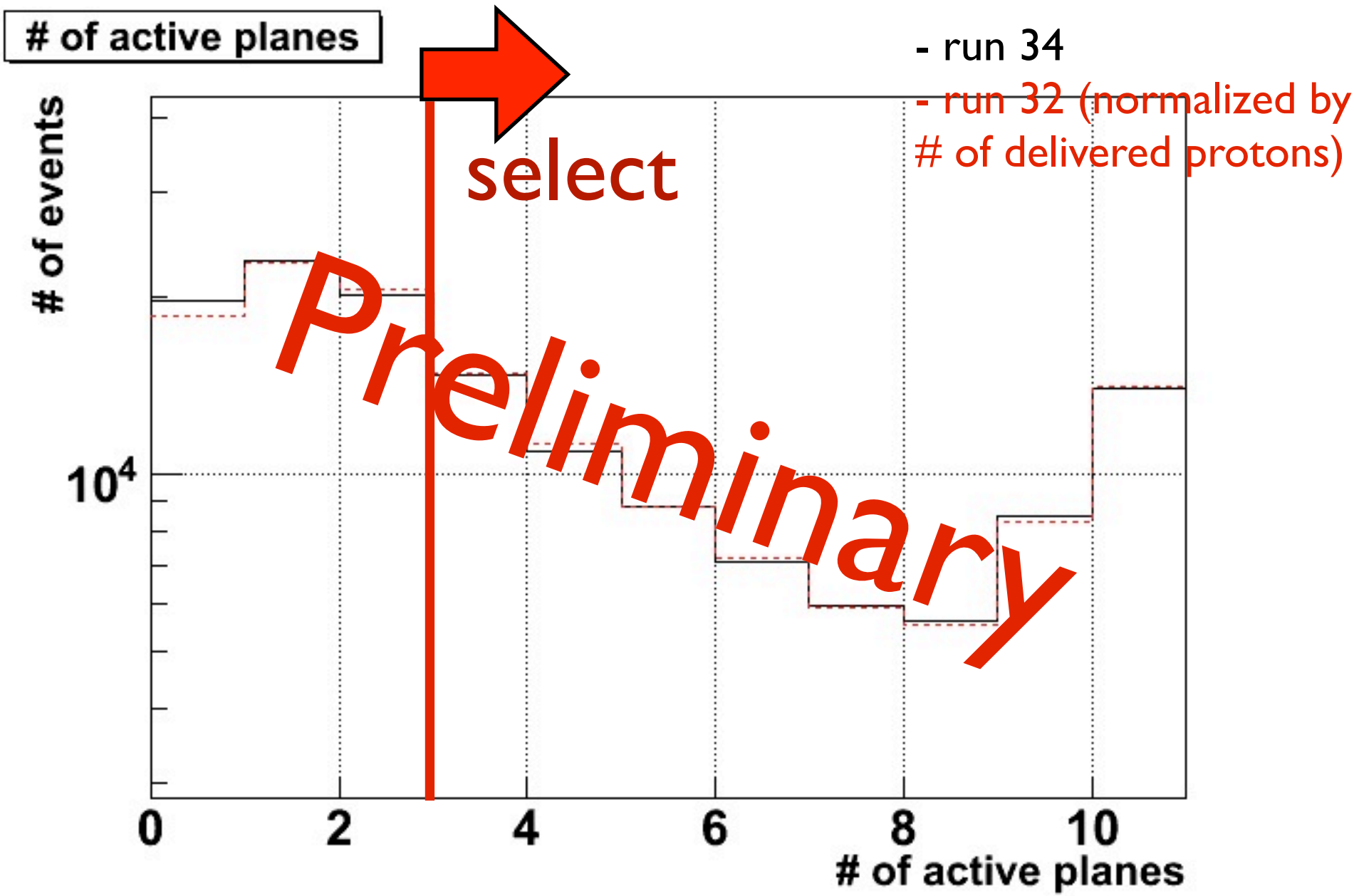
Data set

- Run 34 start from June. 8th
- Analysis the data of June.8th night ~ June. 9th. data is analyzed with quick beam summary (ver p02)
- Total # of good spills ~ 3.3×10^{4}, total delivered protons ~ 1.3×10^{18}

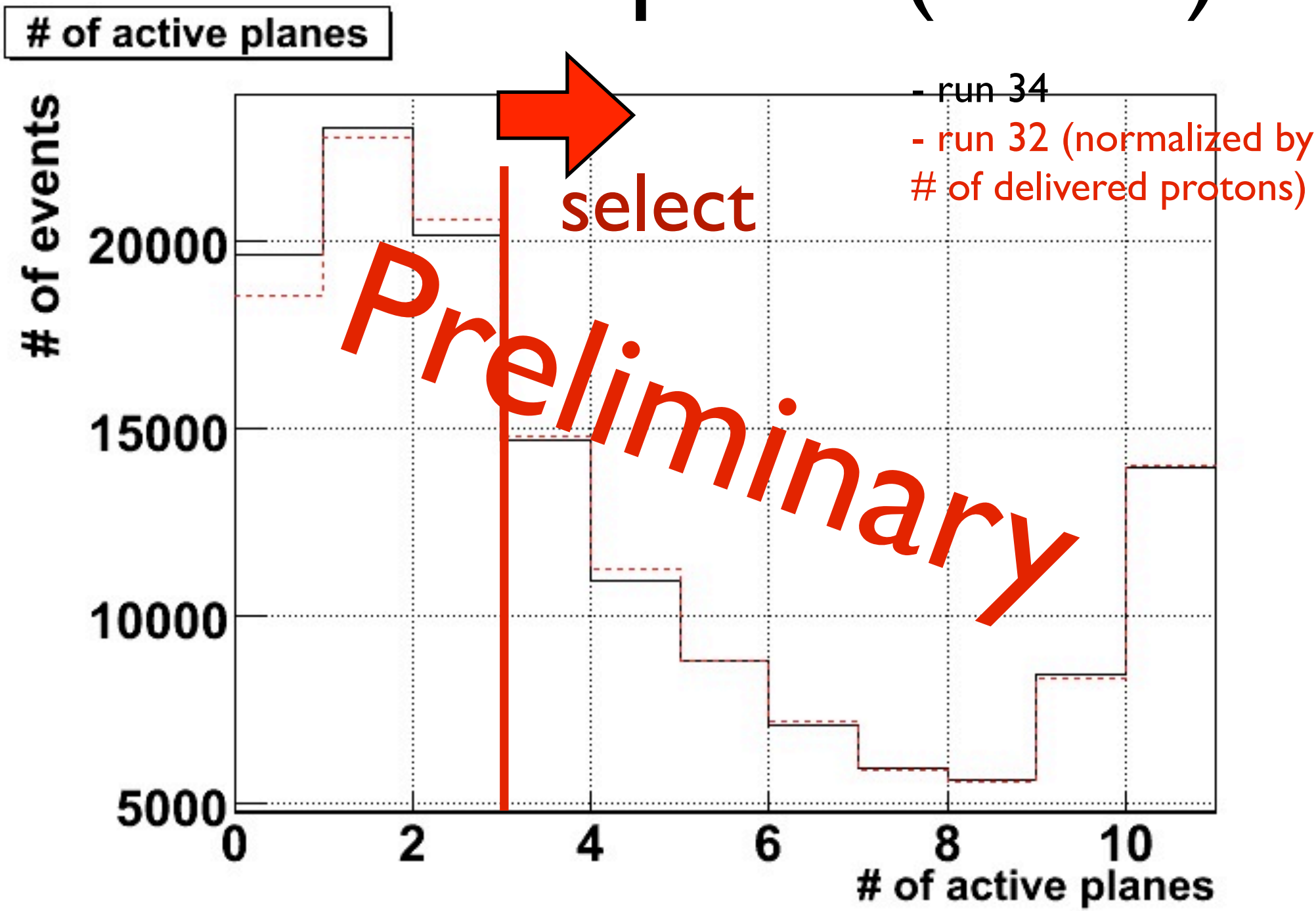
Analysis flow chart



of active plane (log)

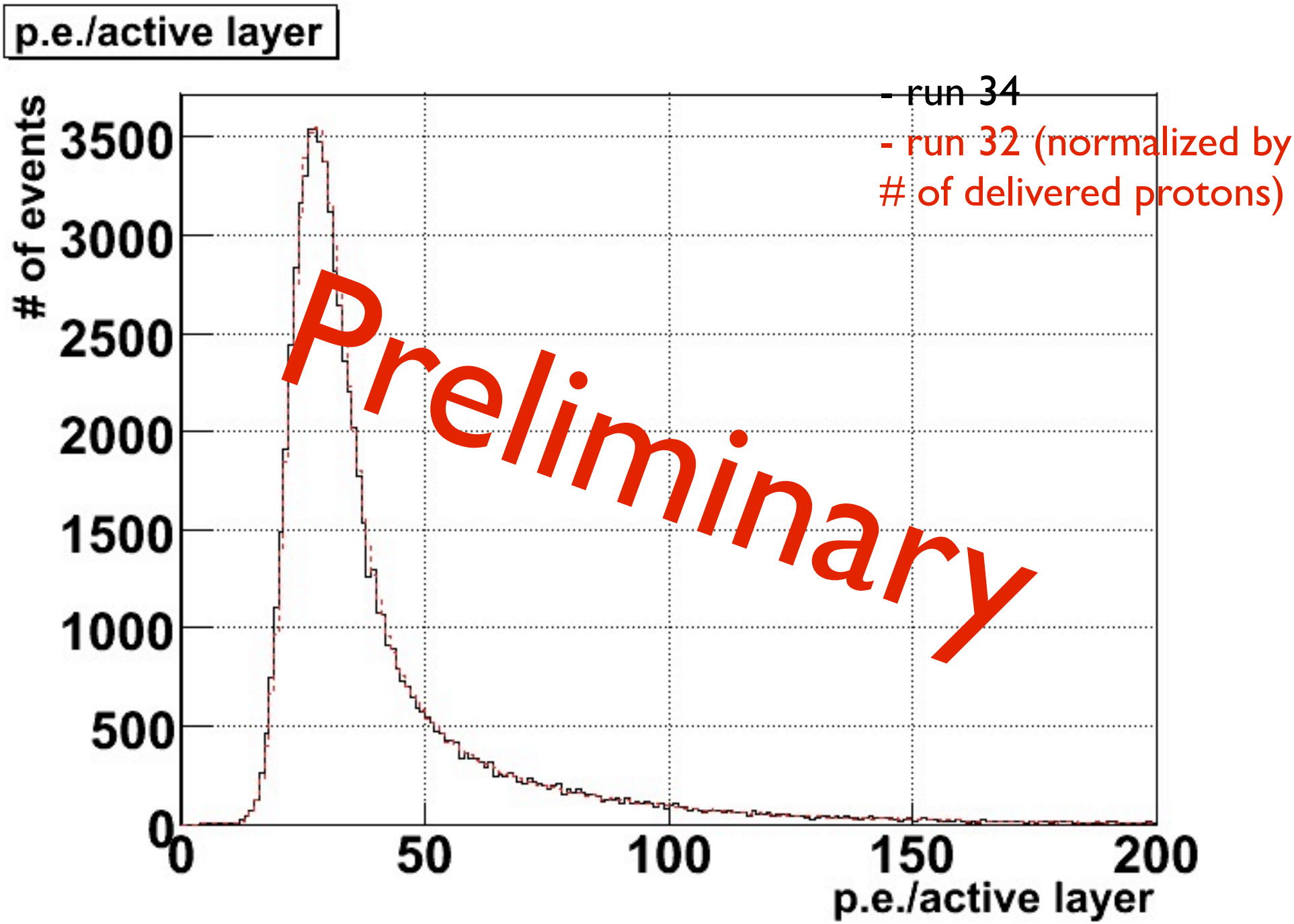


of active plane (linear)

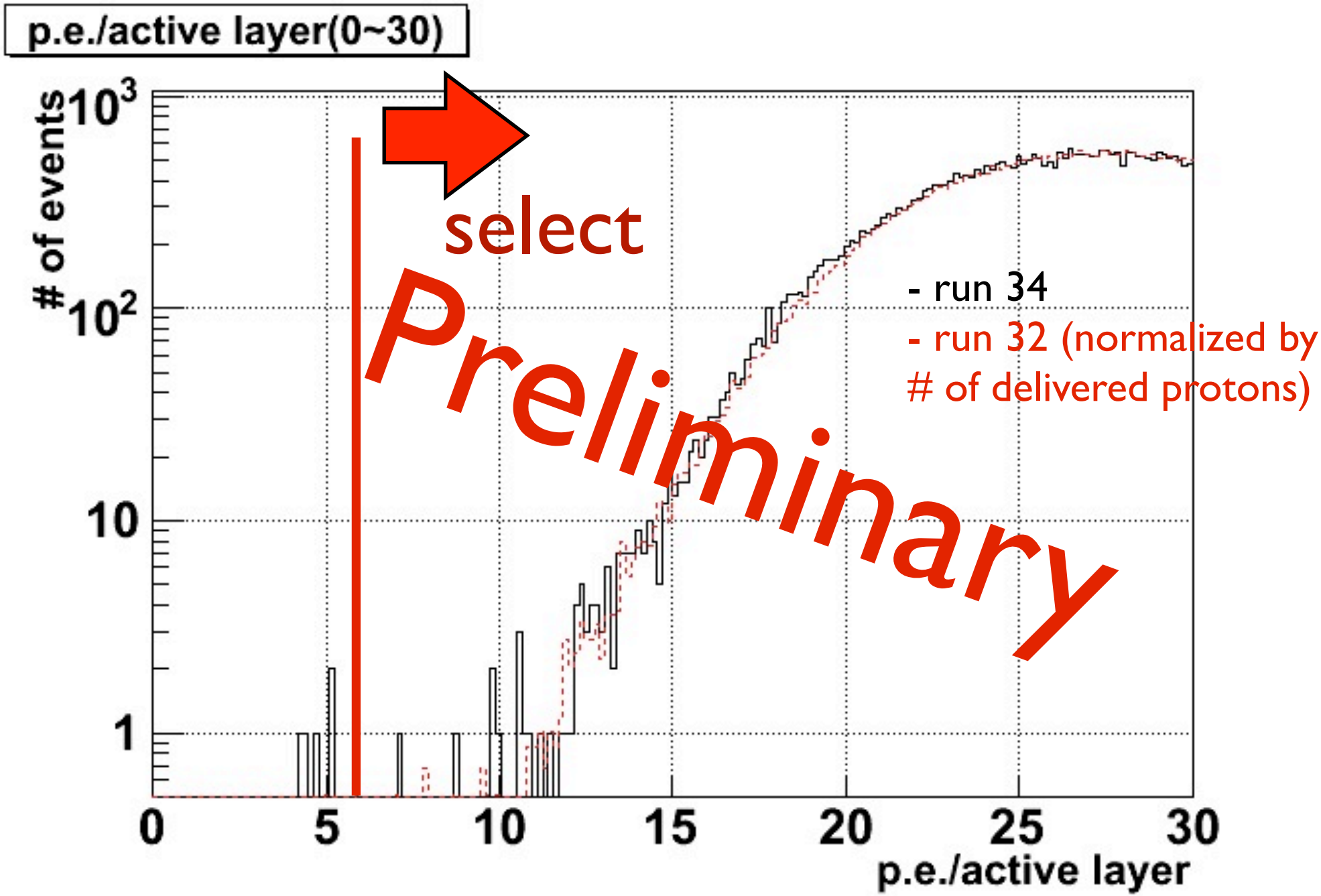


p.e. / active layer(log)

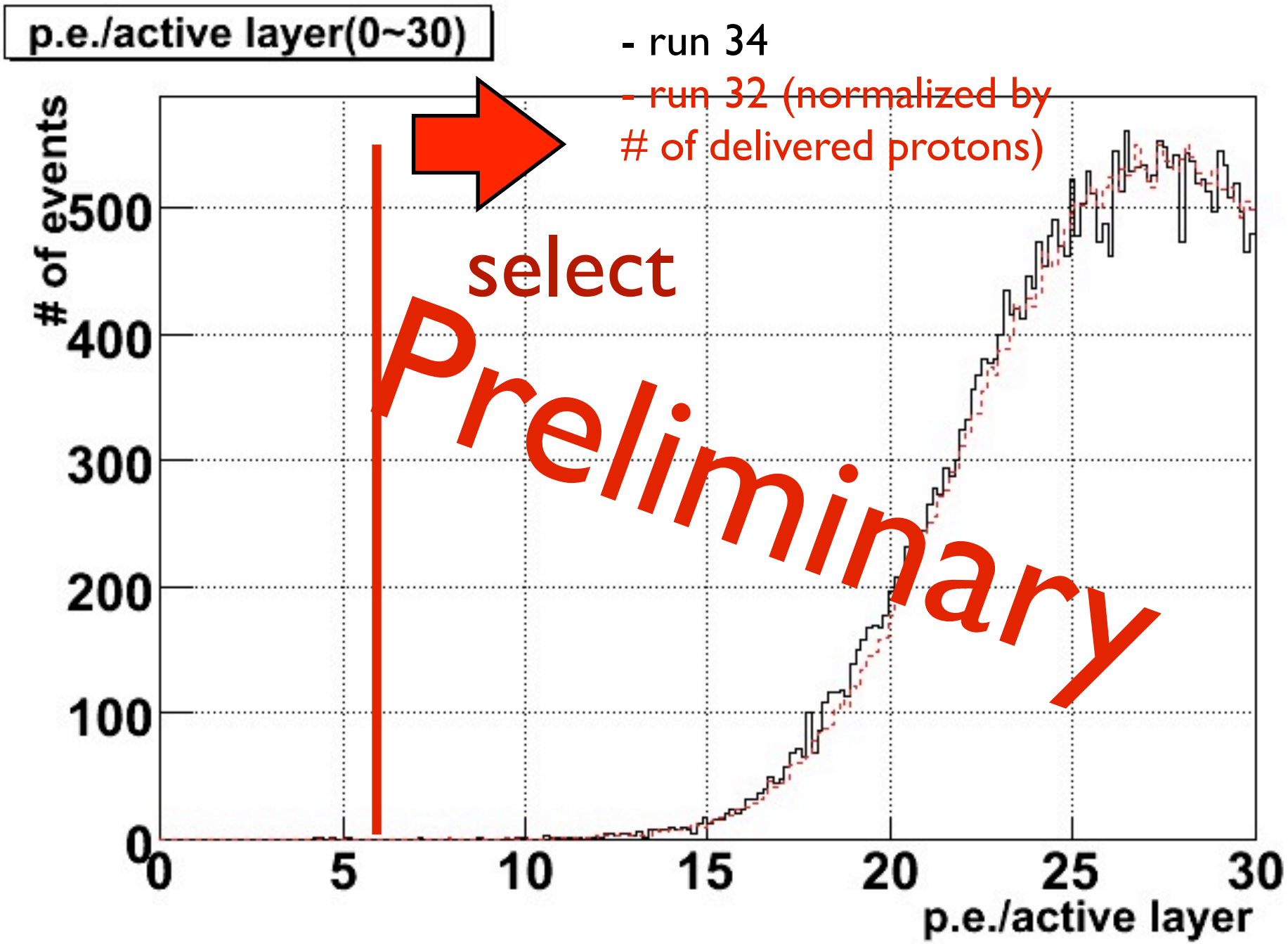
p.e. / active layer(linear)



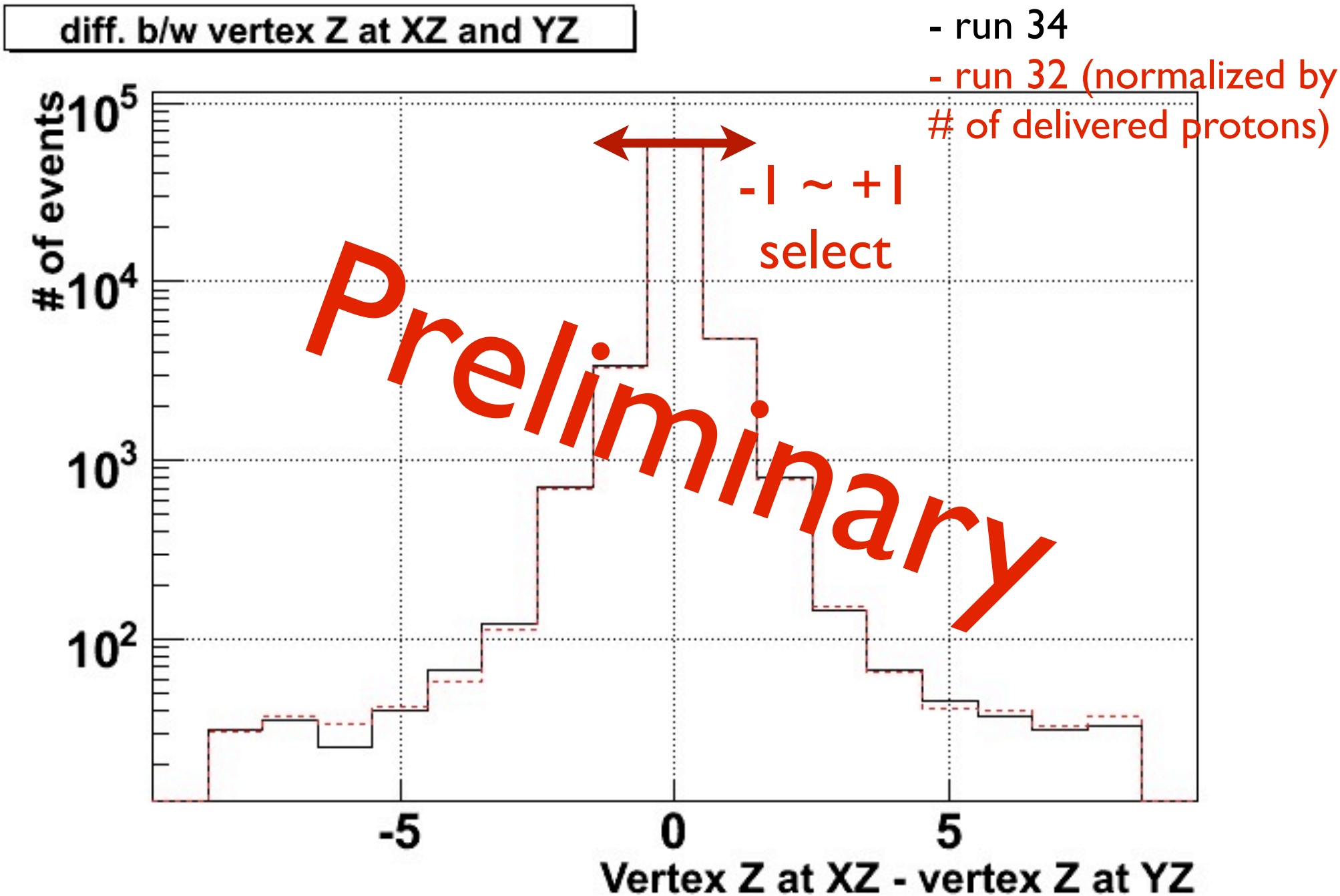
p.e. / active layer (log, zoom)



p.e. / active layer (linear,zoom)

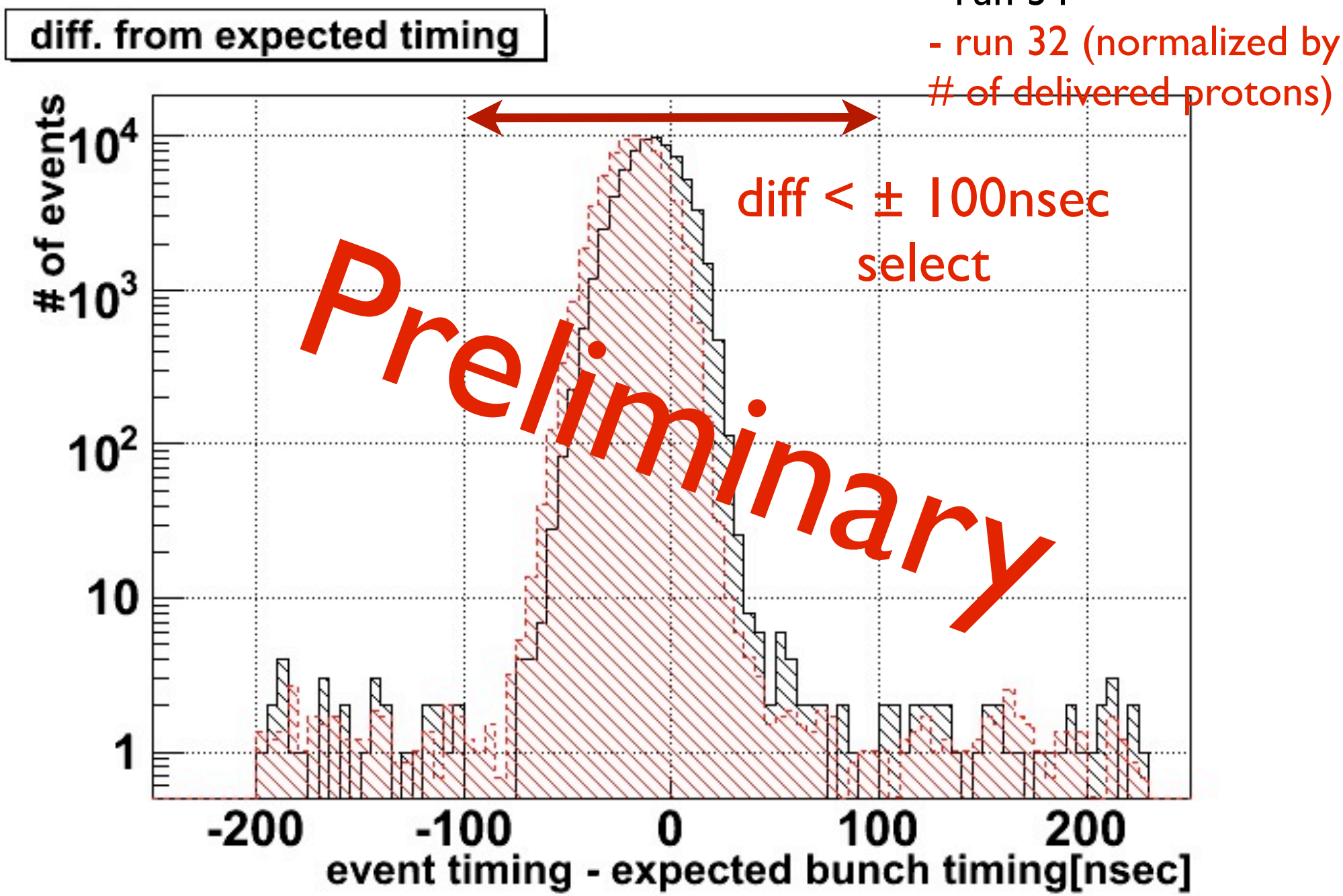


XZ and YZ Track matching

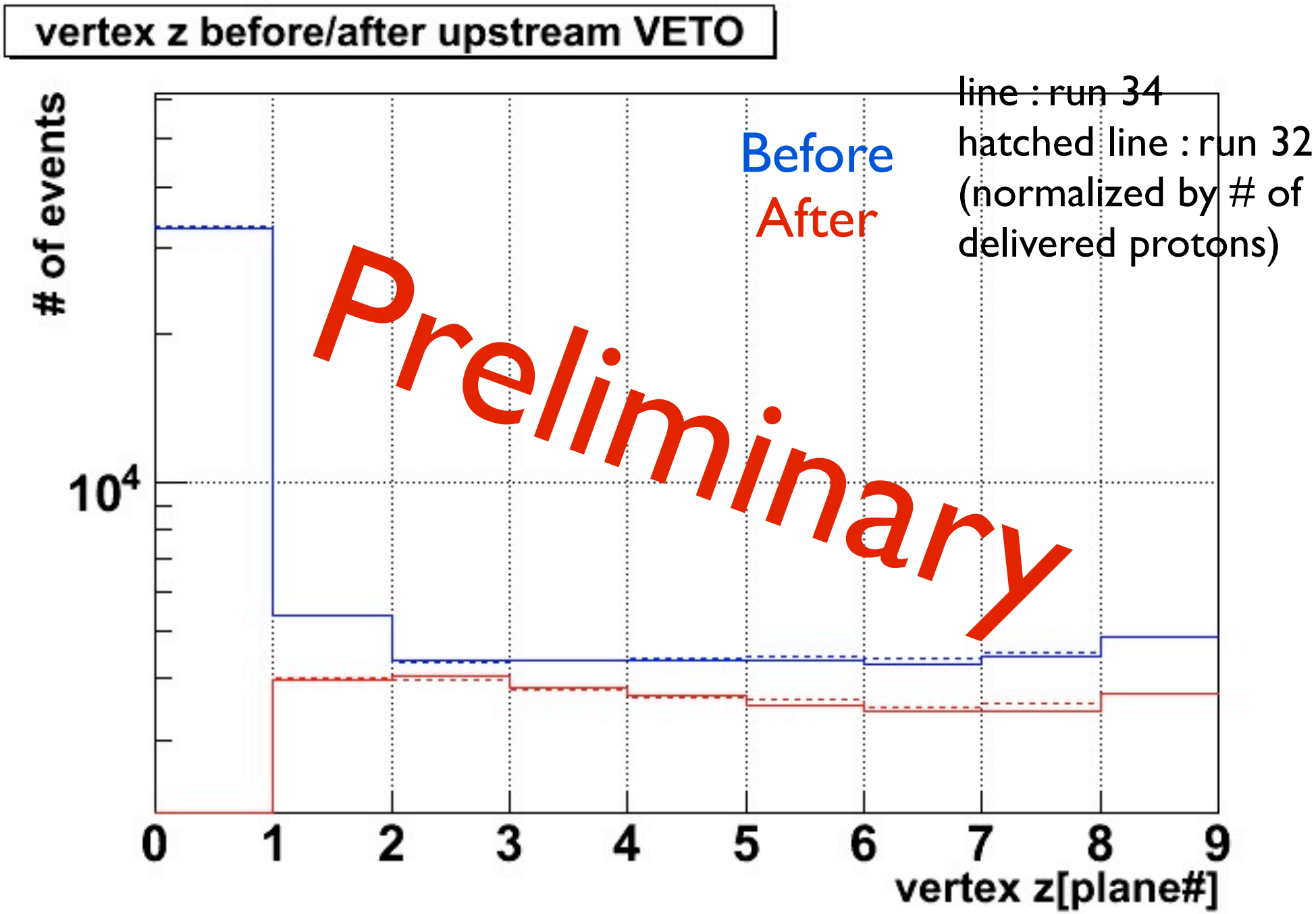


On time

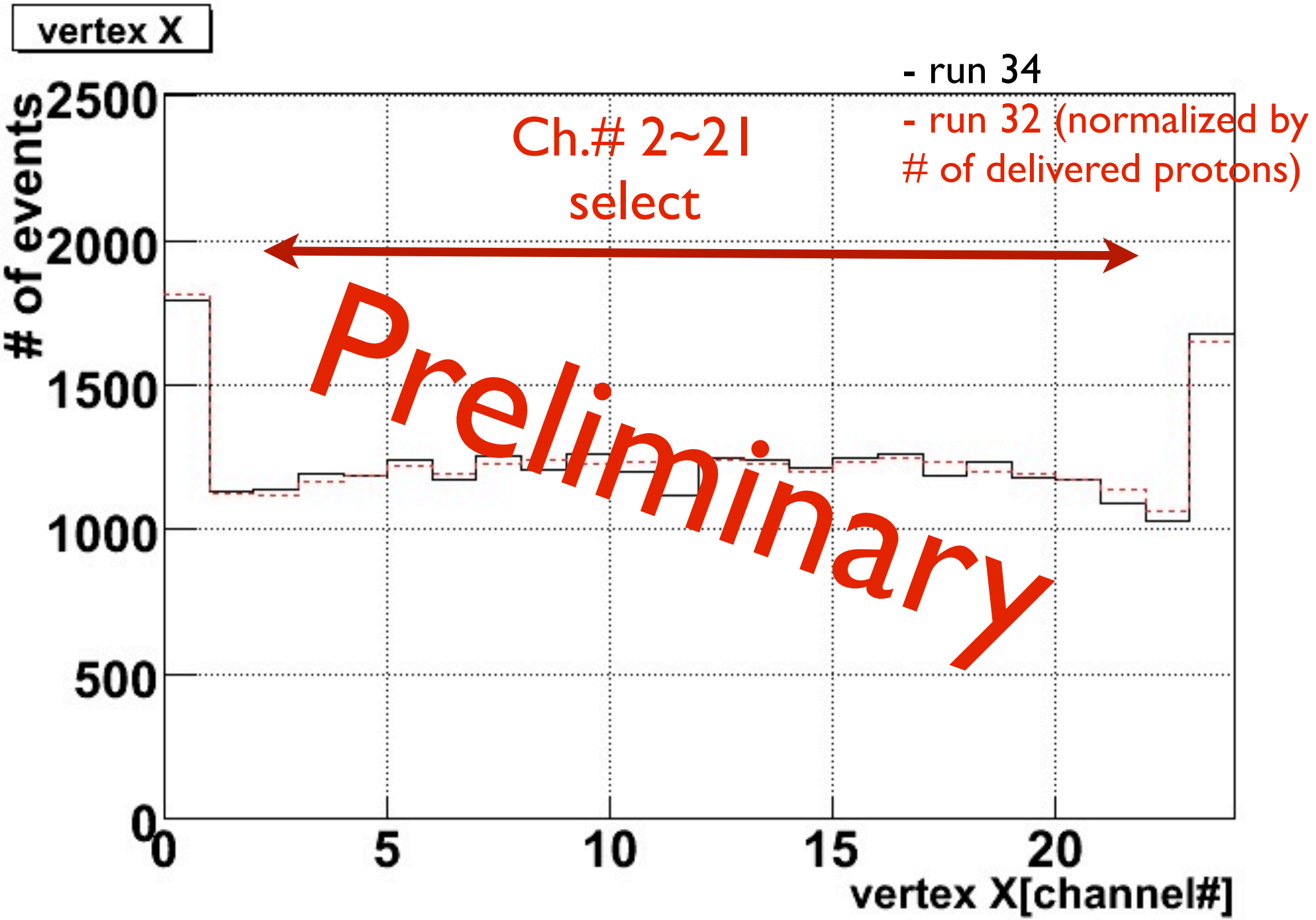
- run 34
- run 32 (normalized by # of delivered protons)



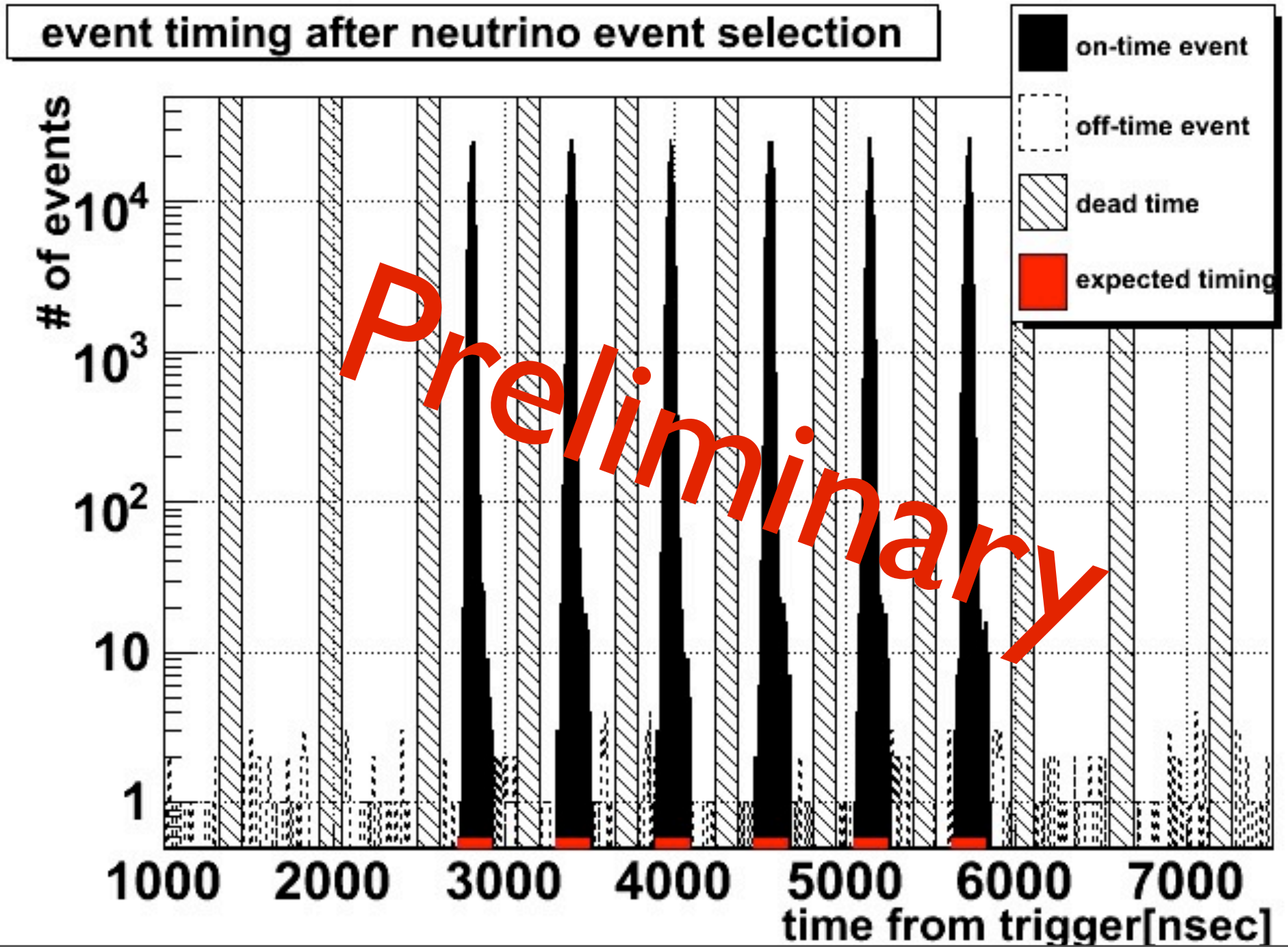
Upstream VETO



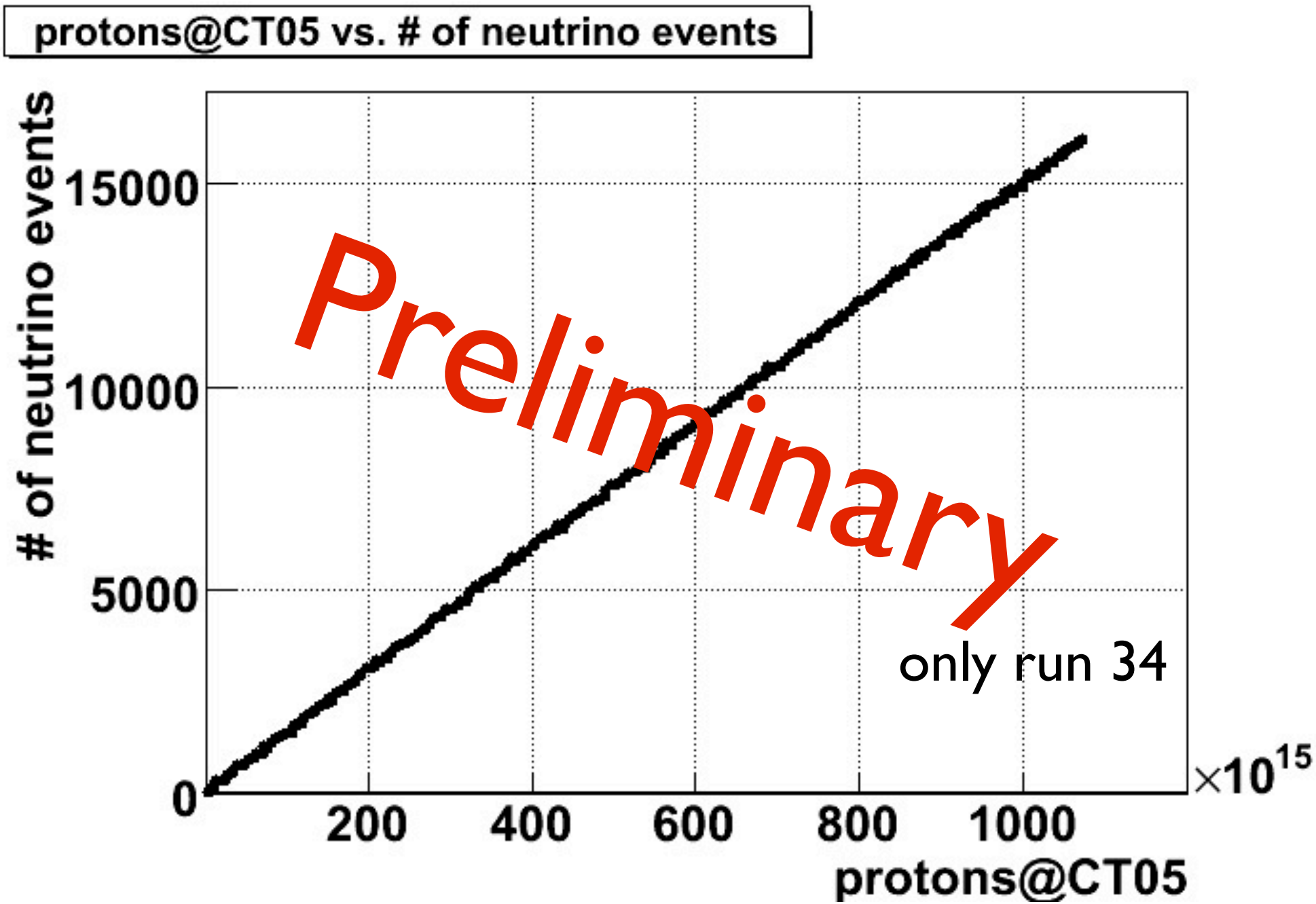
Fiducial volume cut



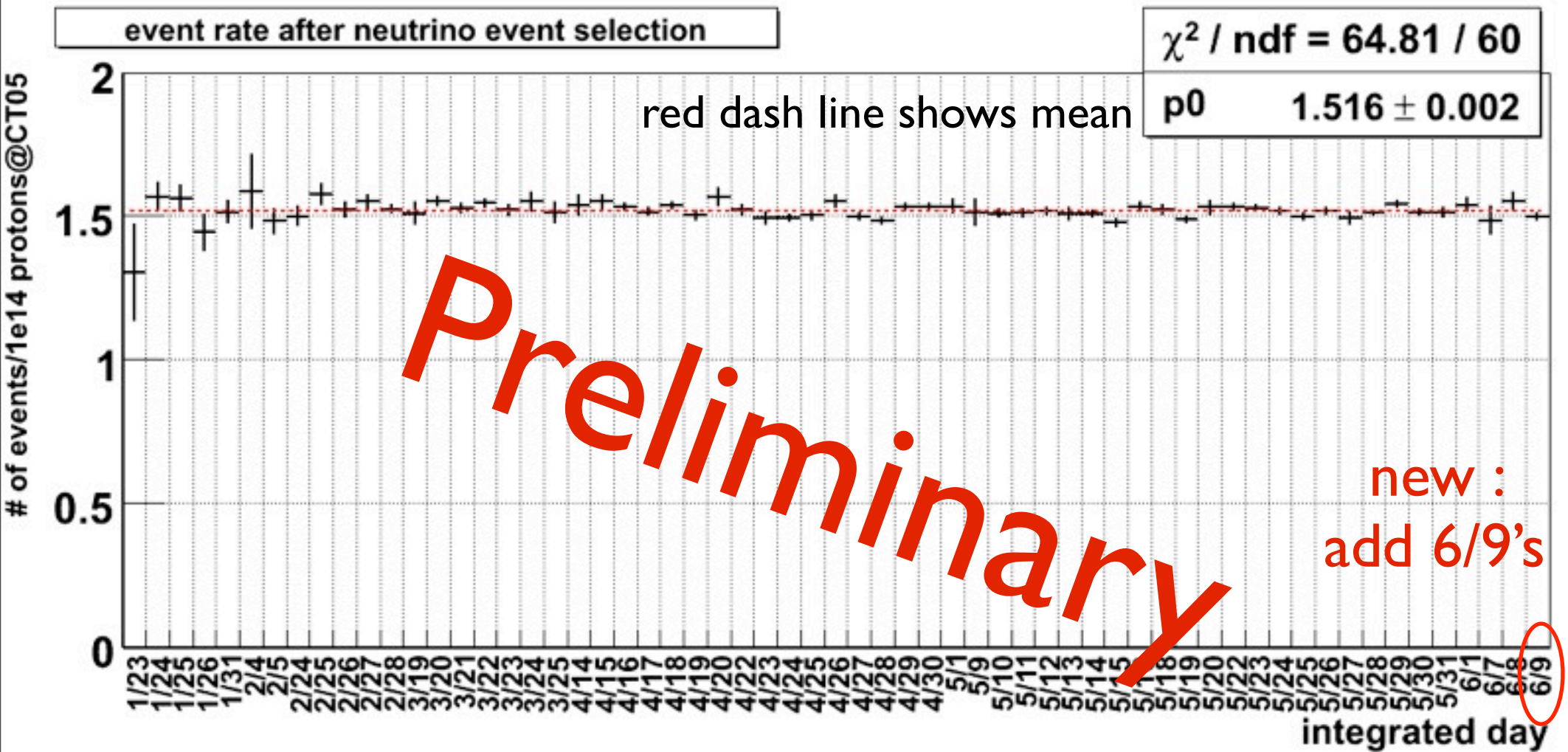
Event timing



protons@CT05 vs neutrino events

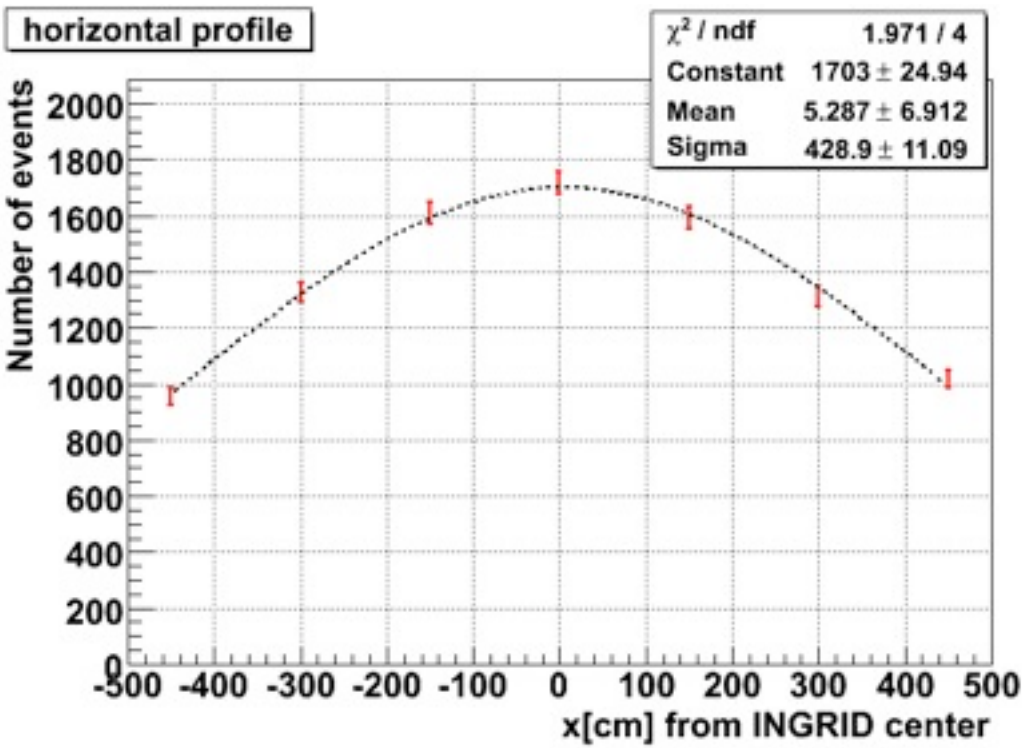


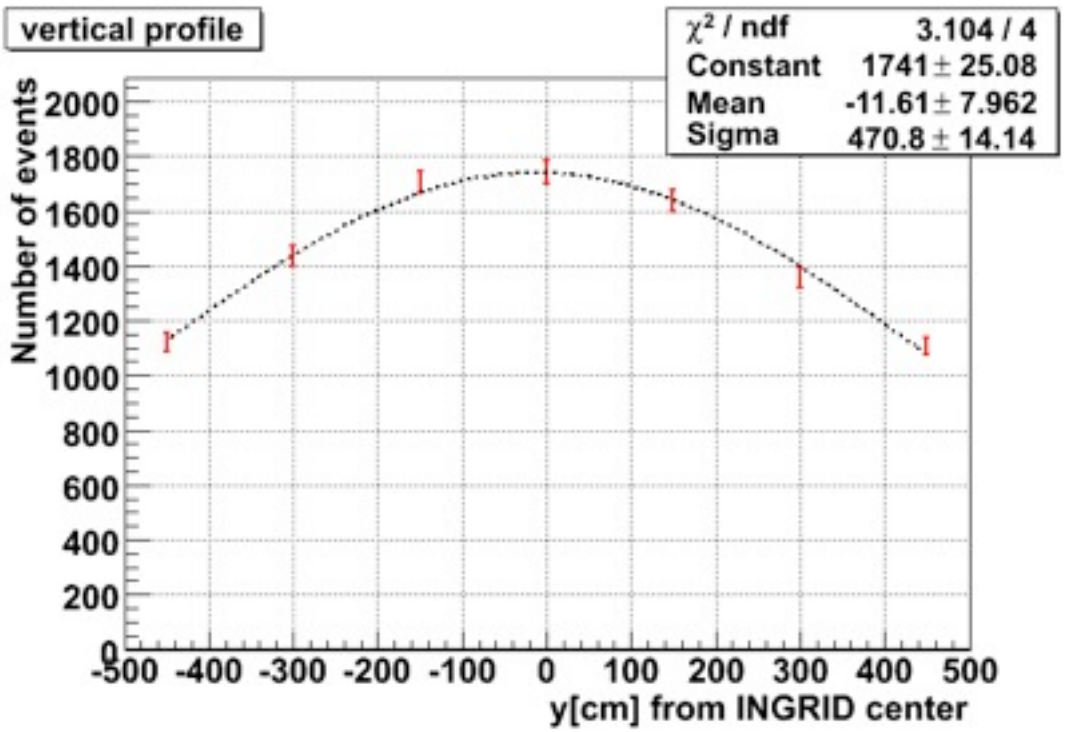
Neutrino event rate



Event rate is as usual

Profile (Omake)





center: 5 ± 7cm
(to south)
Sigma: 429 ± 11 cm

center: -12 ± 8cm
(on axis = -1.9cm)
Sigma: 467 ± 34 cm

Summary

- Run 34 started.
- INGRID is working well.
- Beam status is good at first look level.
  - Event rate w/ all modules is as usual.