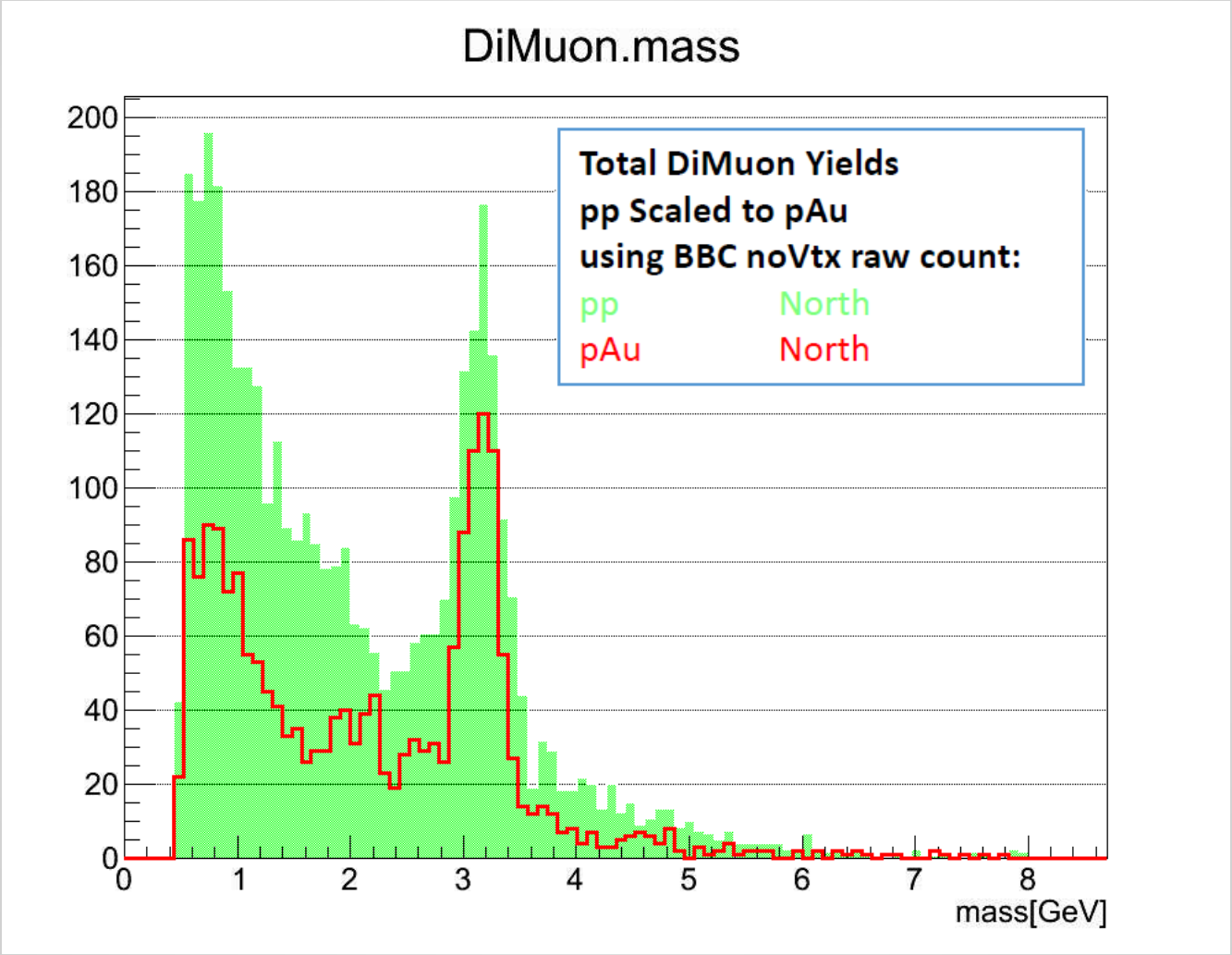
PHENIX Run-15 Status

Douglas Fields

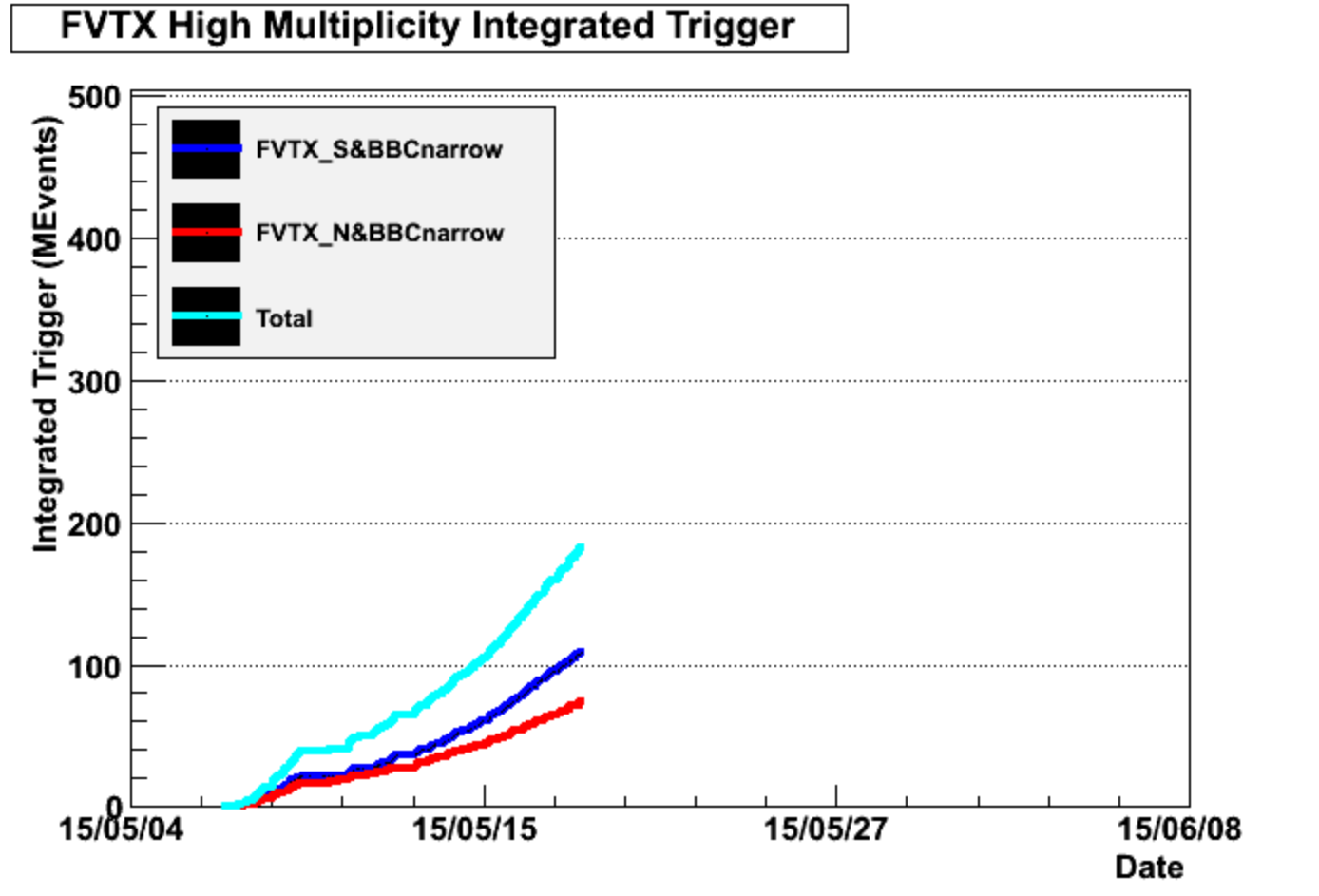
PHENIX Run-15 Run Coordinator

University of New Mexico

J/Psis in pAu


DiMuon.mass
Total DiMuon Yields
pp Scaled to pAu
using BBC noVtx raw count:
pp North
pAu North
200
180
160
140
120
100
80
60
40
20
0
0
1
2
3
4
5
6
7
8
mass[GeV]

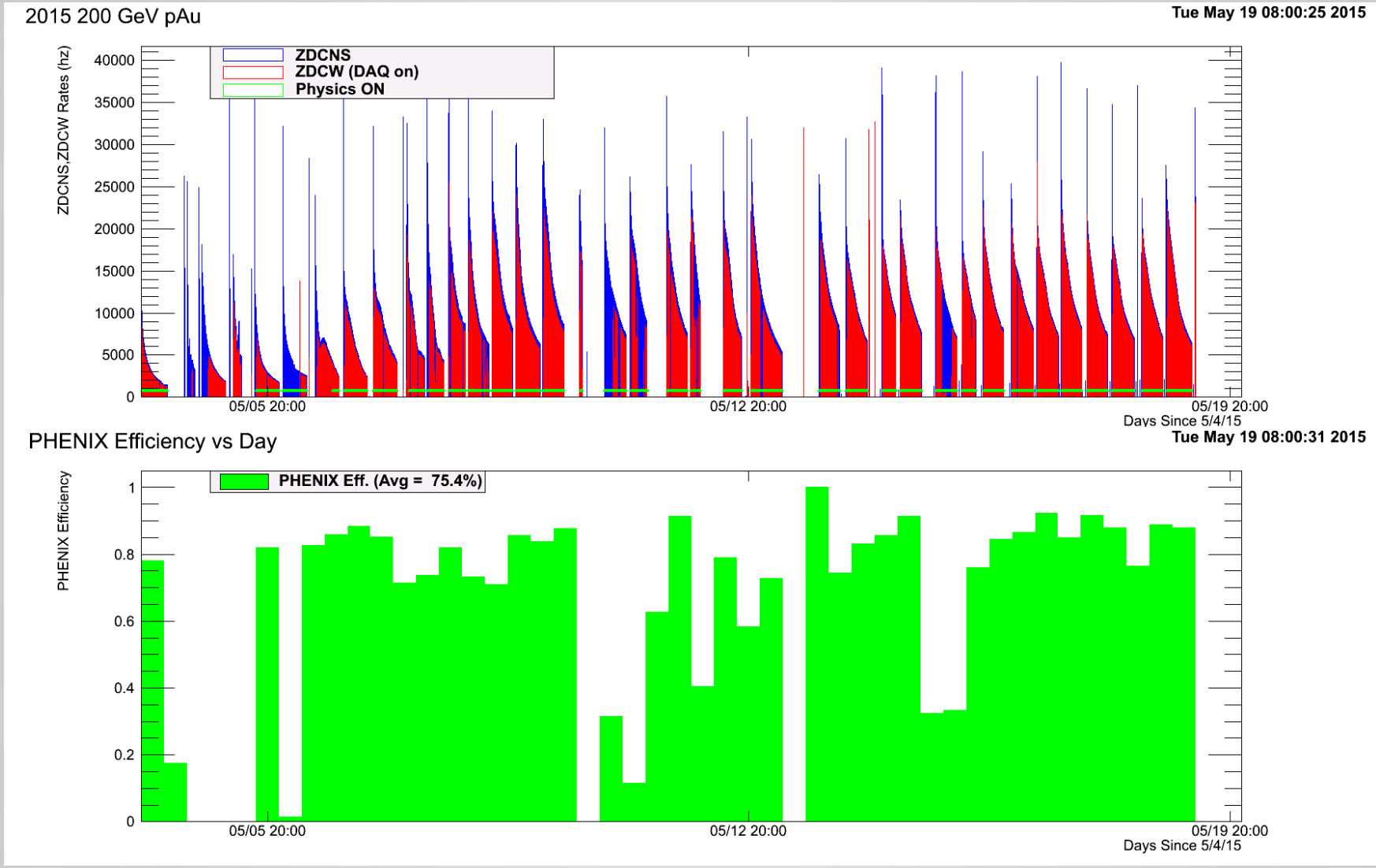
FVTX High Multiplicity Triggers



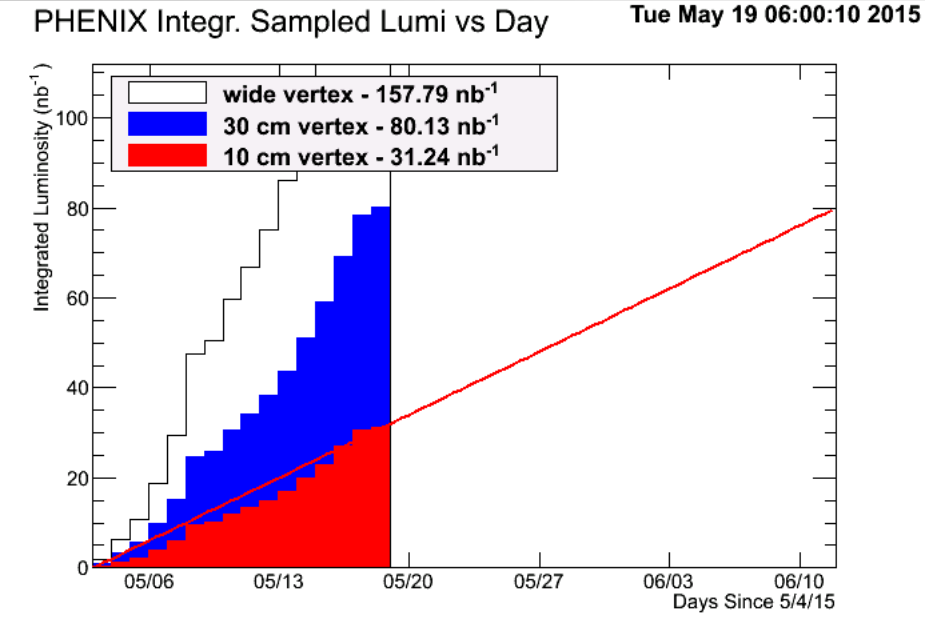
p+Au Luminosity Goals

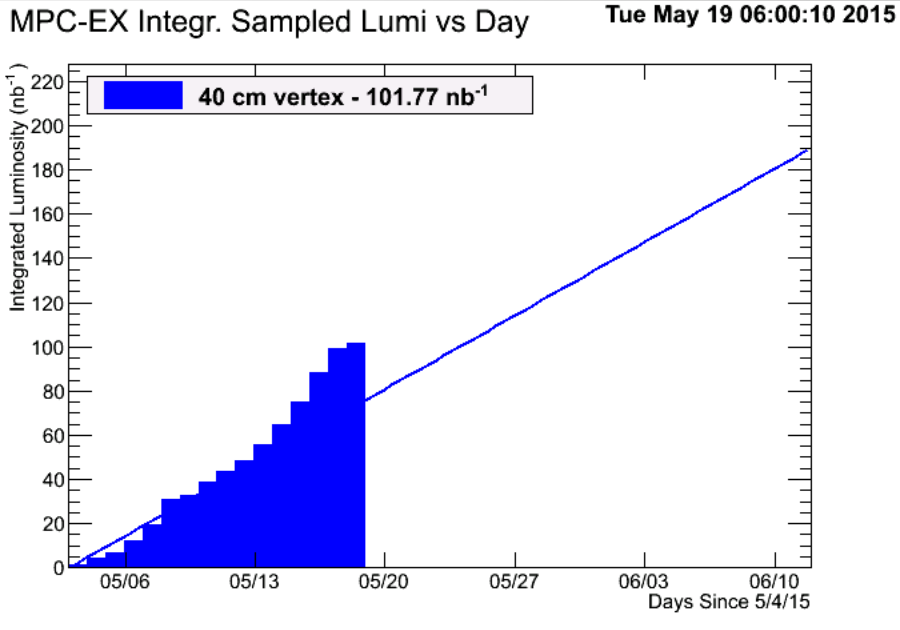
- p+Au @ 200 GeV with transverse polarization of the proton for 5 weeks [Physics driven goal is ***190 nb^{-1}*** sampled within ***|z| < 40 cm*** and ***<P> = 60%***. We note that the request is with half the data switching the beams to Au+p.]
- p+Al @ 200 GeV with transverse polarization of the proton for 2 weeks [Physics driven goal is ***450 nb^{-1}*** sampled within ***|z| < 40 cm*** and ***<P> = 60%***]
- In our BUP, (https://indico.bnl.gov/getFile.py/access?resId=0&materialId=0&confId=764) we state that we assume PHENIX uptime 70%, fraction of events within +/- 10 cm (25%) and +/- 40 cm (70%).

PHENIX Efficiency

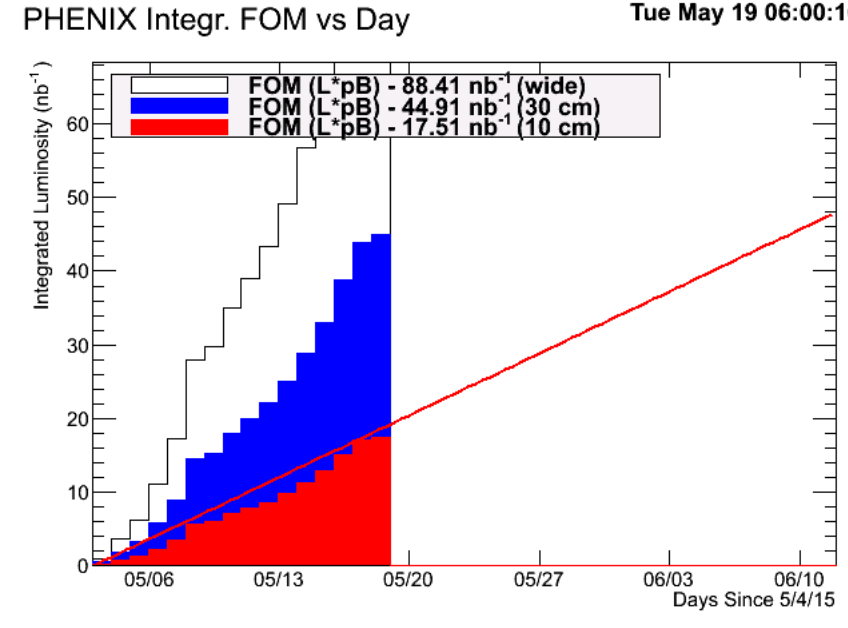


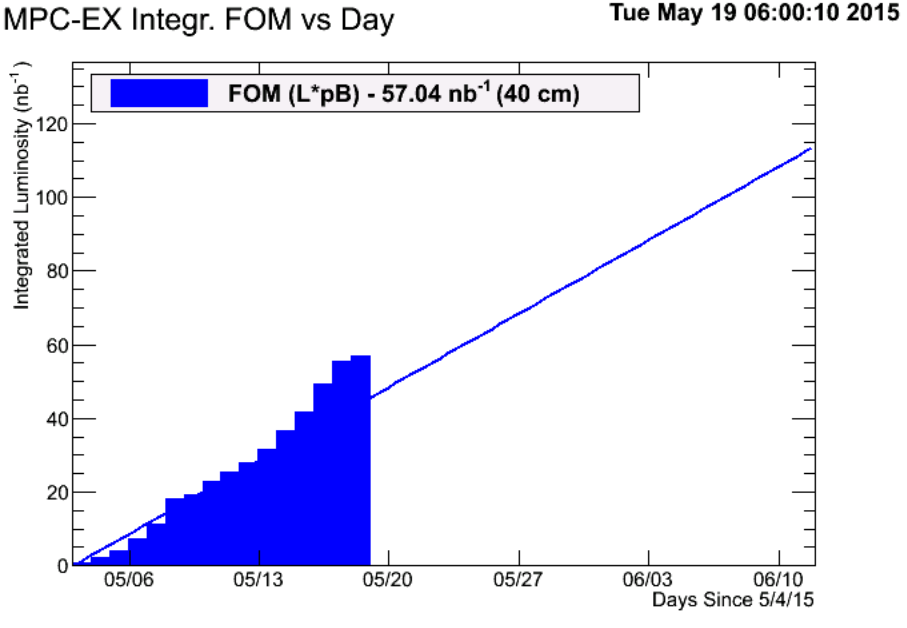
Luminosity Progress



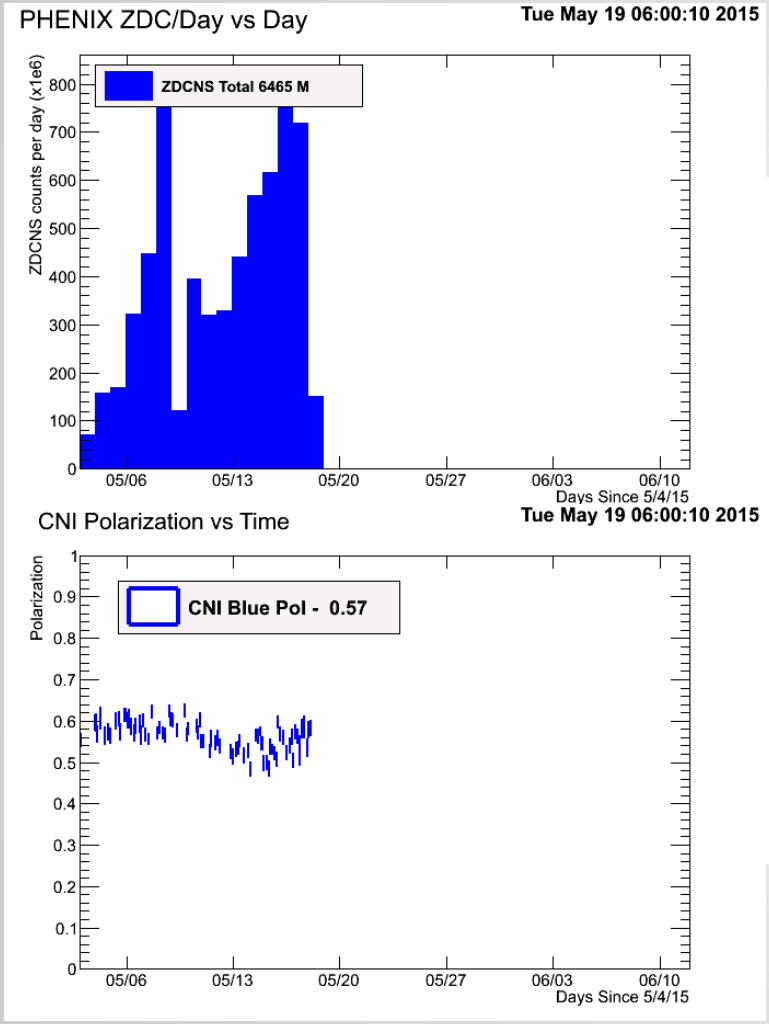


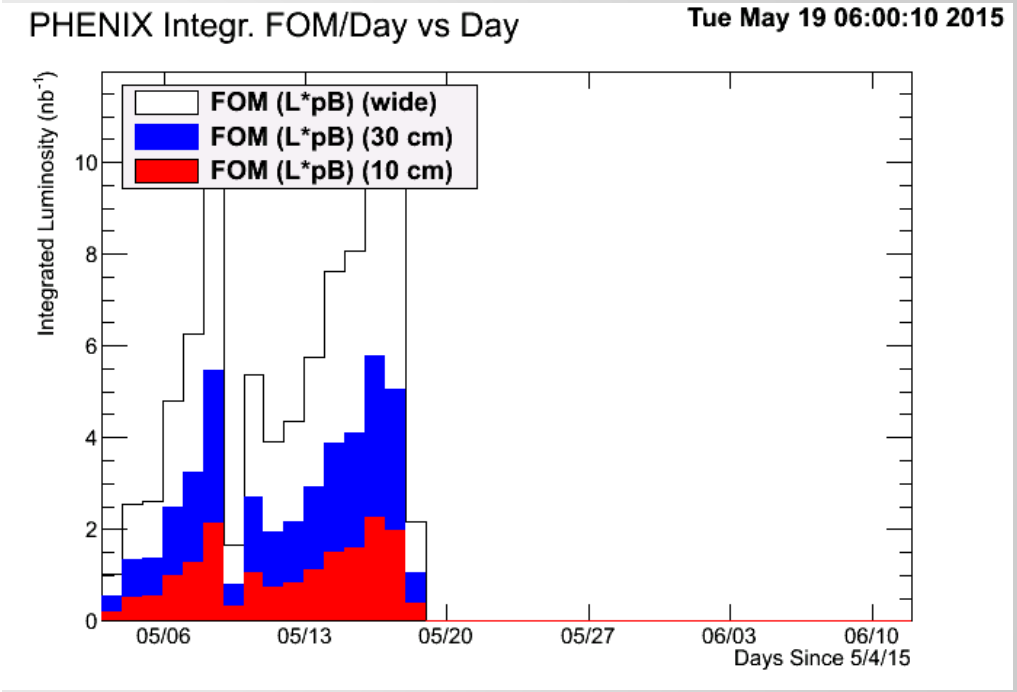
FOM Progress





PHENIX FOM Progress





Summary

- We are on track to meet our goals by June 8 for the switch to pAl running.