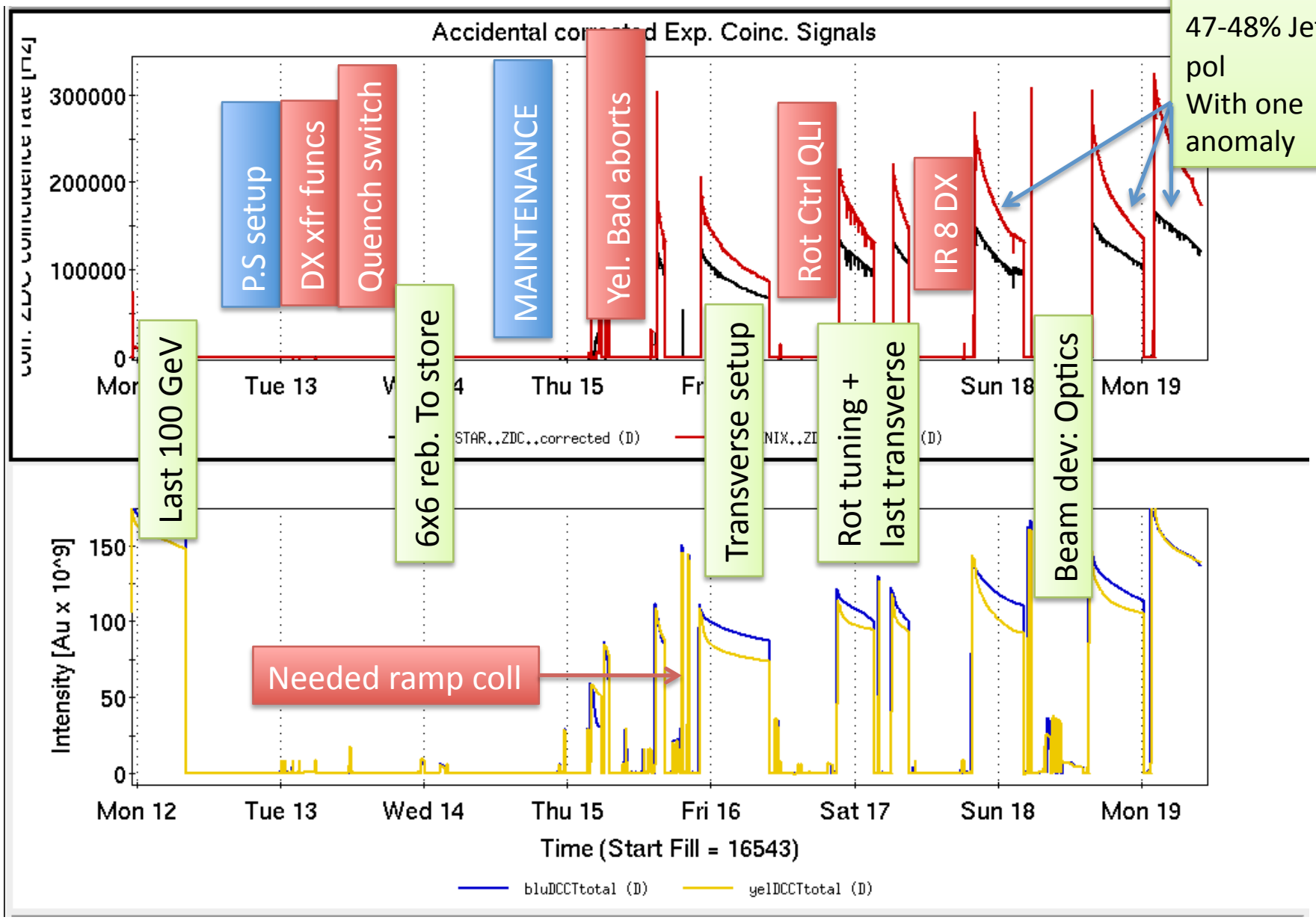
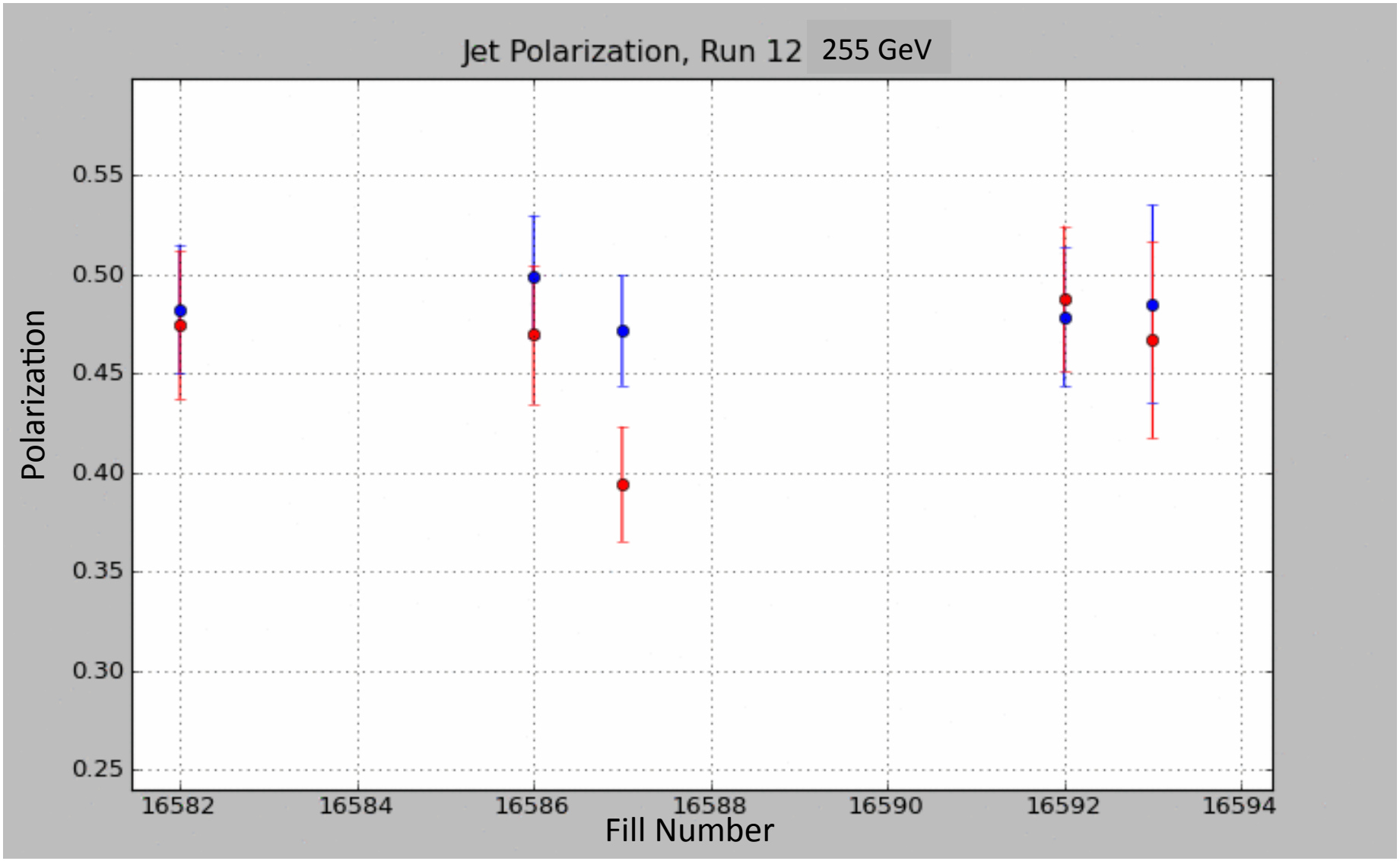
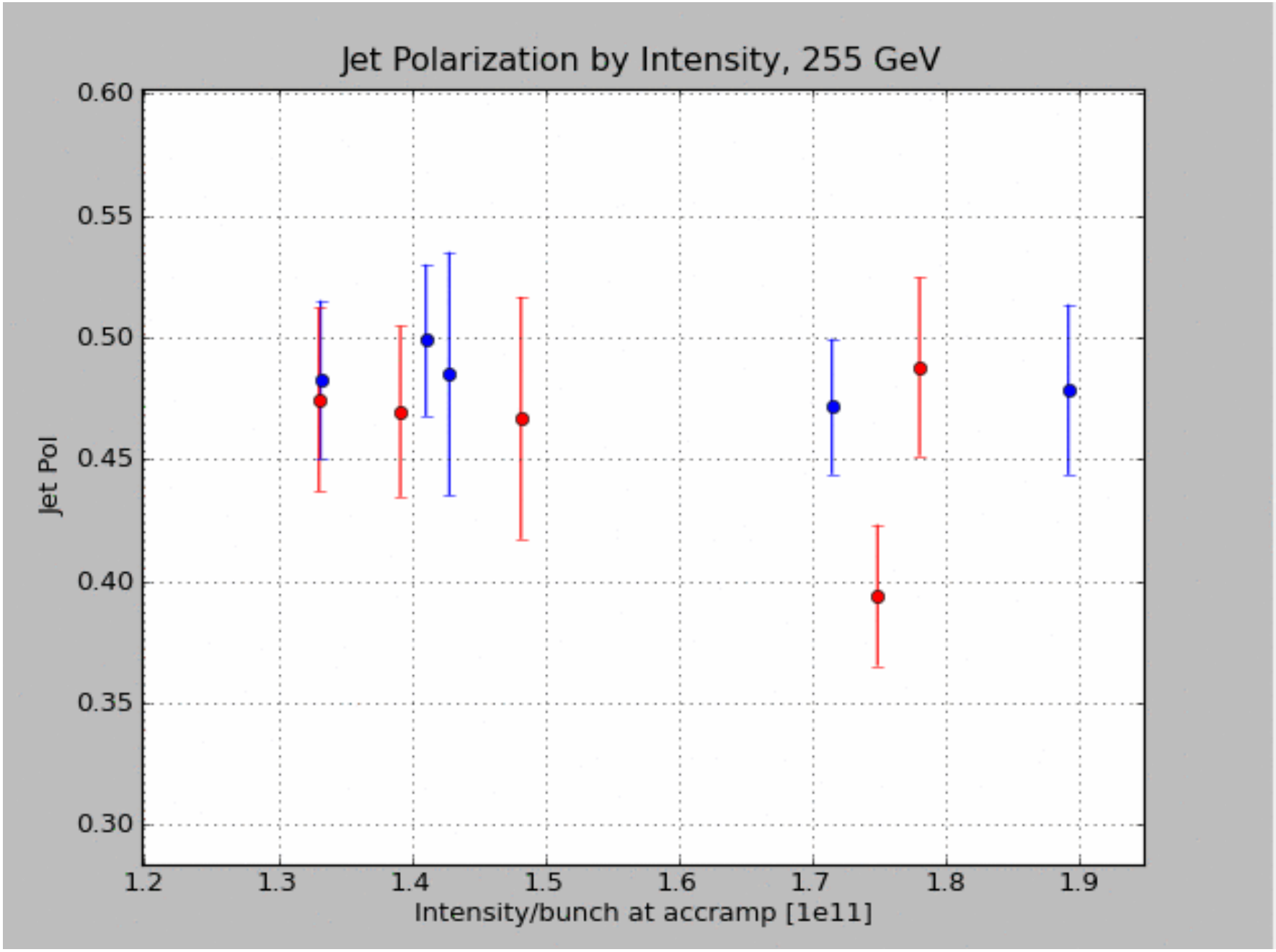
Polarized Protons: 100 to 255 GeV



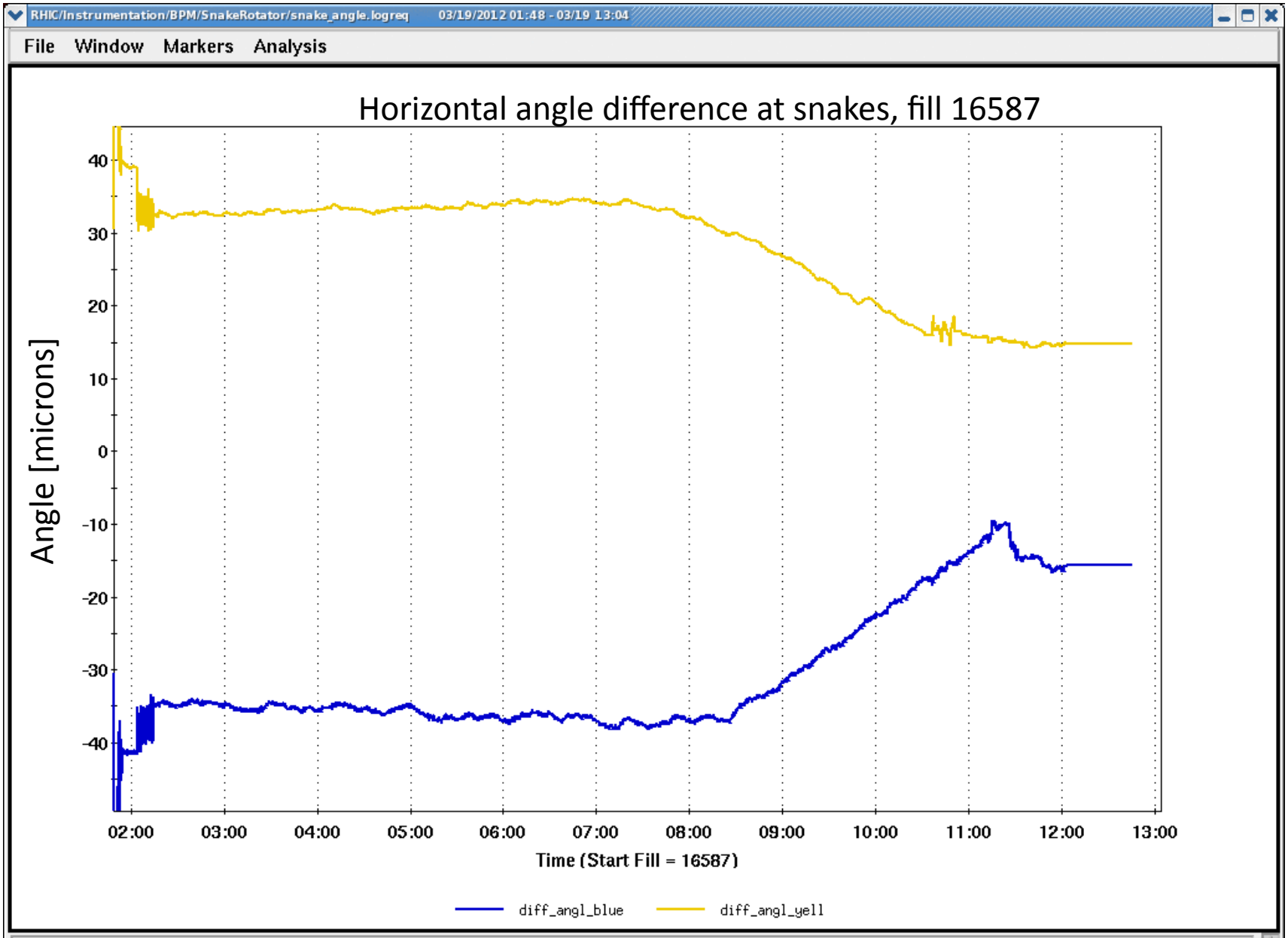
Polarized Protons: 255 GeV



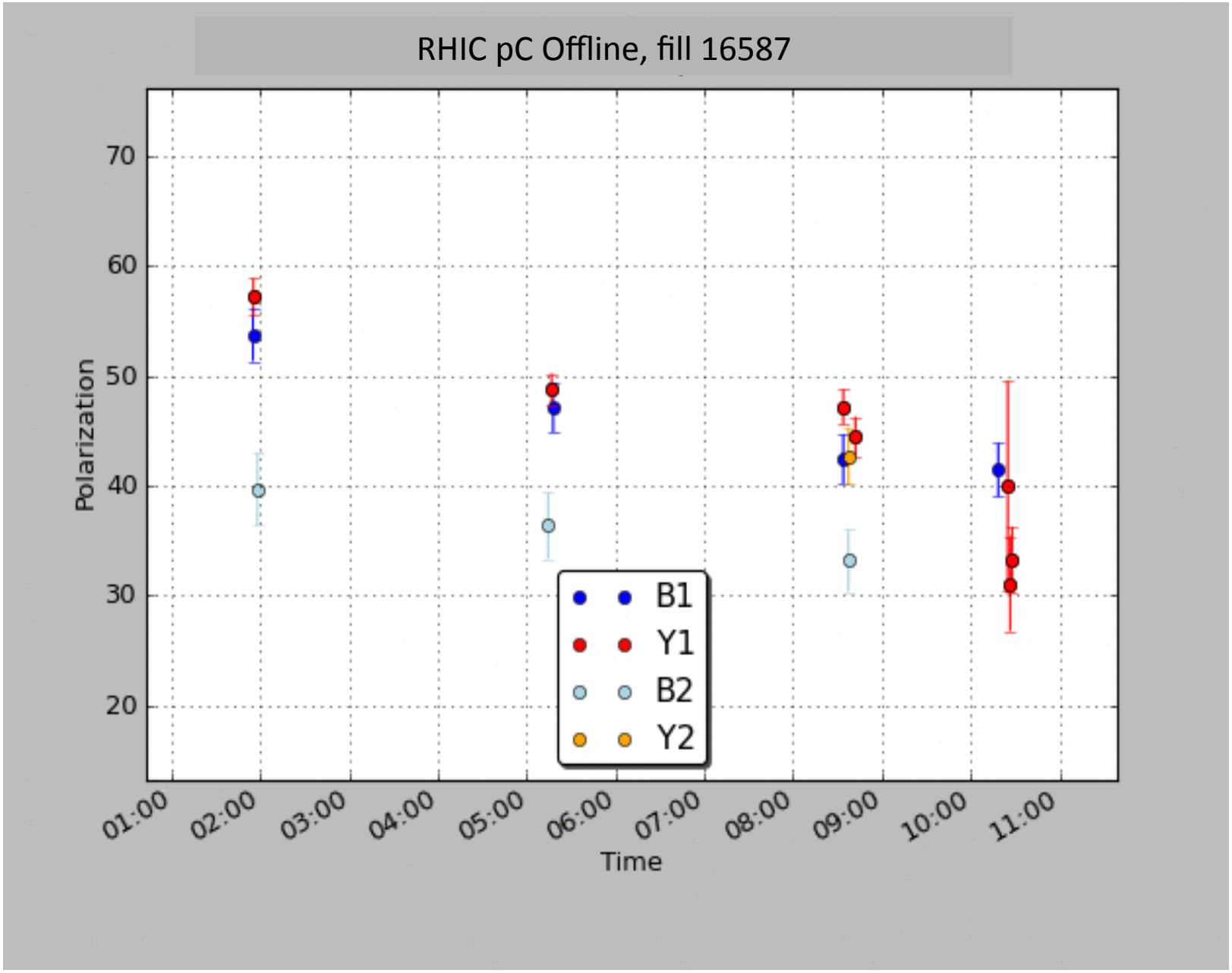

Jet Polarization by Intensity, 255 GeV
Jet Pol
0.60
0.55
0.50
0.45
0.40
0.35
0.30
1.2
1.3
1.4
1.5
1.6
1.7
1.8
1.9
Intensity/bunch at accramp [1e11]

To be done:

- Thursday development
  - RF damping work: improve longitudinal emittance
  - Local decoupling: possible polarization transmission improvement on the ramp
- Emittance improvements
  - AtR transmission
- Vertical orbit angle at snakes
  - Change store-to-store, attempt to improve polarization lifetime



Store orbit correction not yet implemented
(Angle now flat through store)


RHIC pC Offline, fill 16587
Polarization
70
60
50
40
30
20
01:00
02:00
03:00
04:00
05:00
06:00
07:00
08:00
09:00
10:00
11:00
Time
B1
Y1
B2
Y2