

RHIC status

Chuyu Liu
Time meeting
May 26, 2015



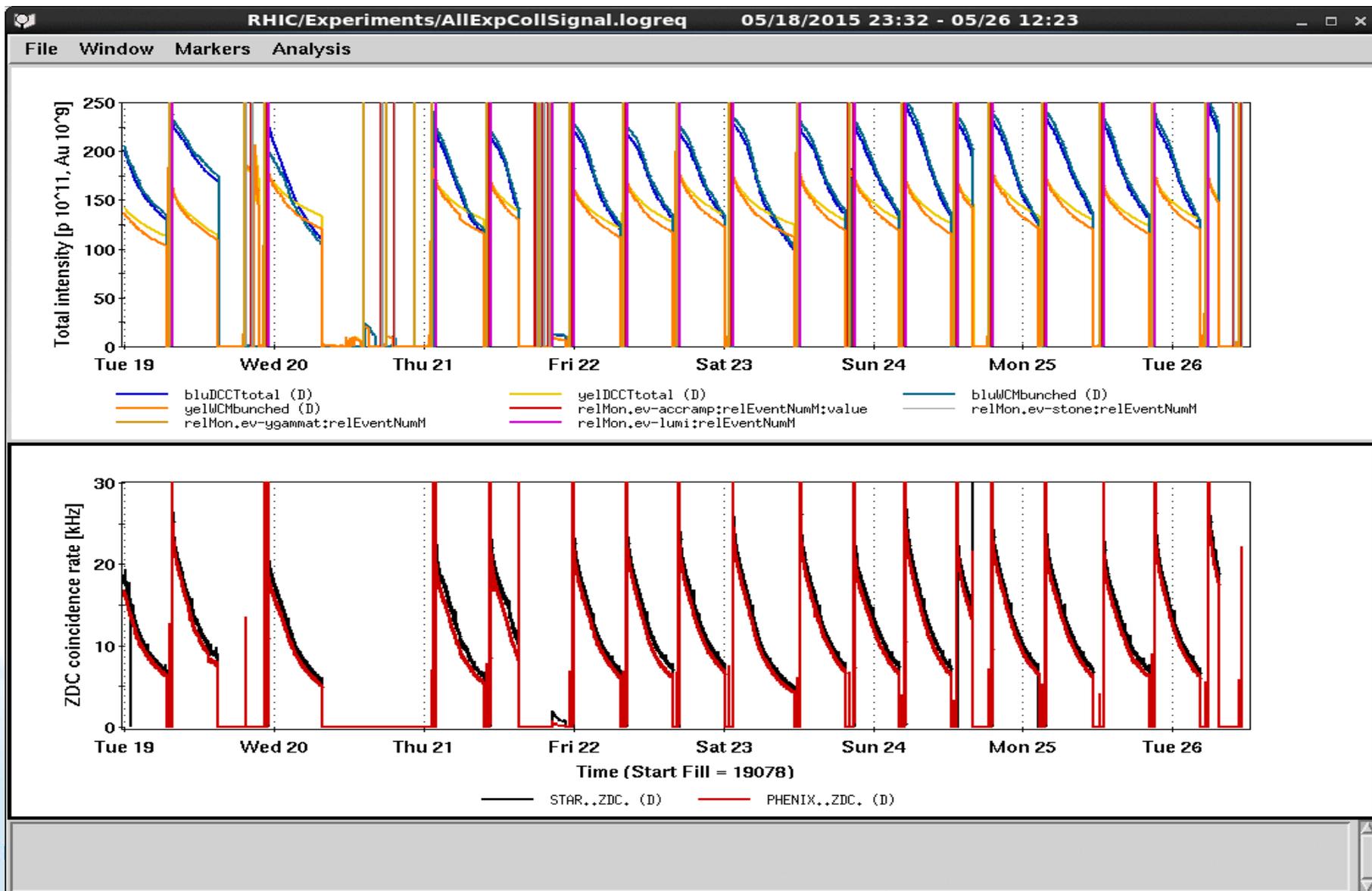
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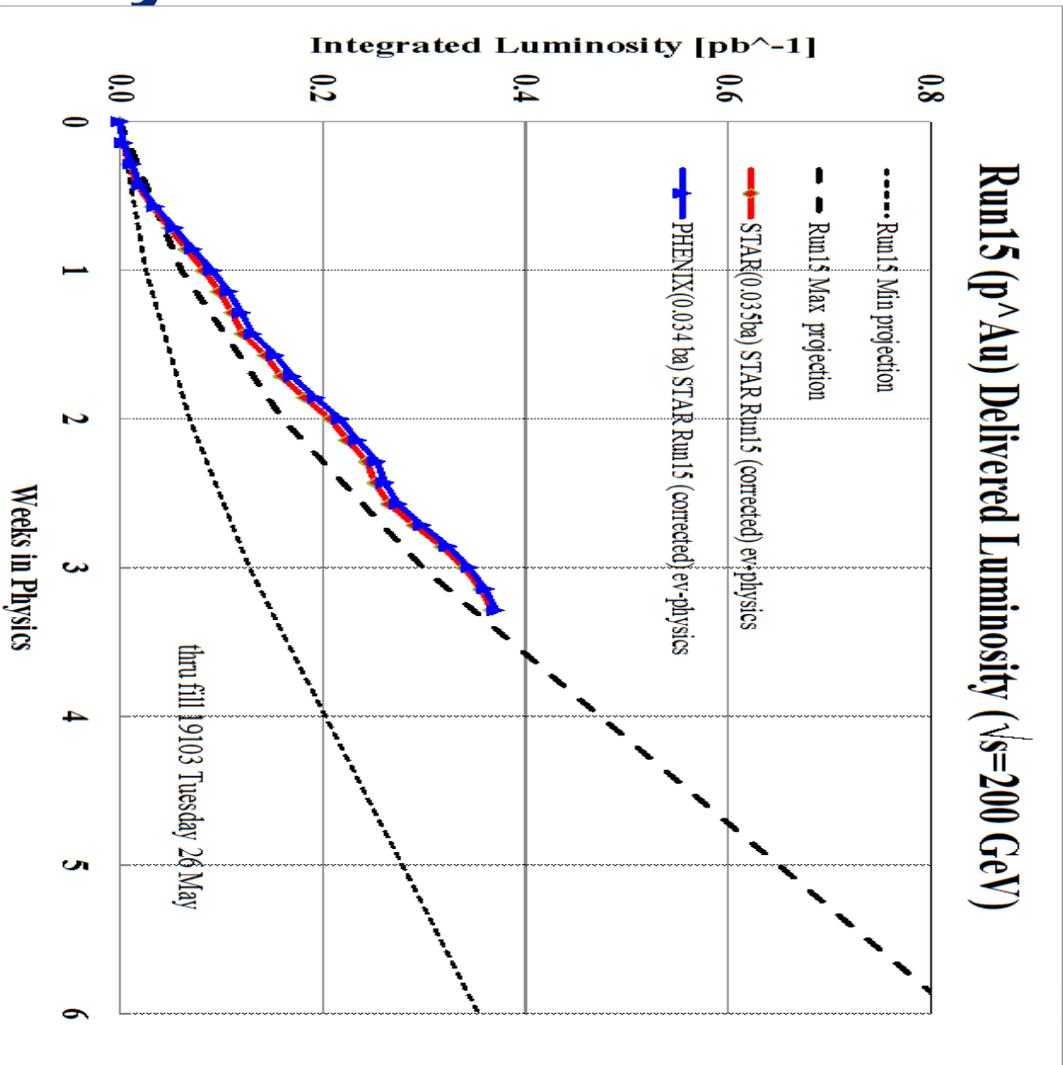
RHIC status

- Store length is 7 hrs. Turn around time between physics is ~1 hr.
- Proton intensity is $\sim 2.3E11$ ppb starting from fill # 19097. Au transmission efficiency was improved to 93%.
- RHIC polarization is ~60%. AGS ~70%, sources ~84%.
- Background under control.
- APEX done on Wed. PHENIX local polarimeter measurement was done with 6 by 6 store. No further request in p-Au.

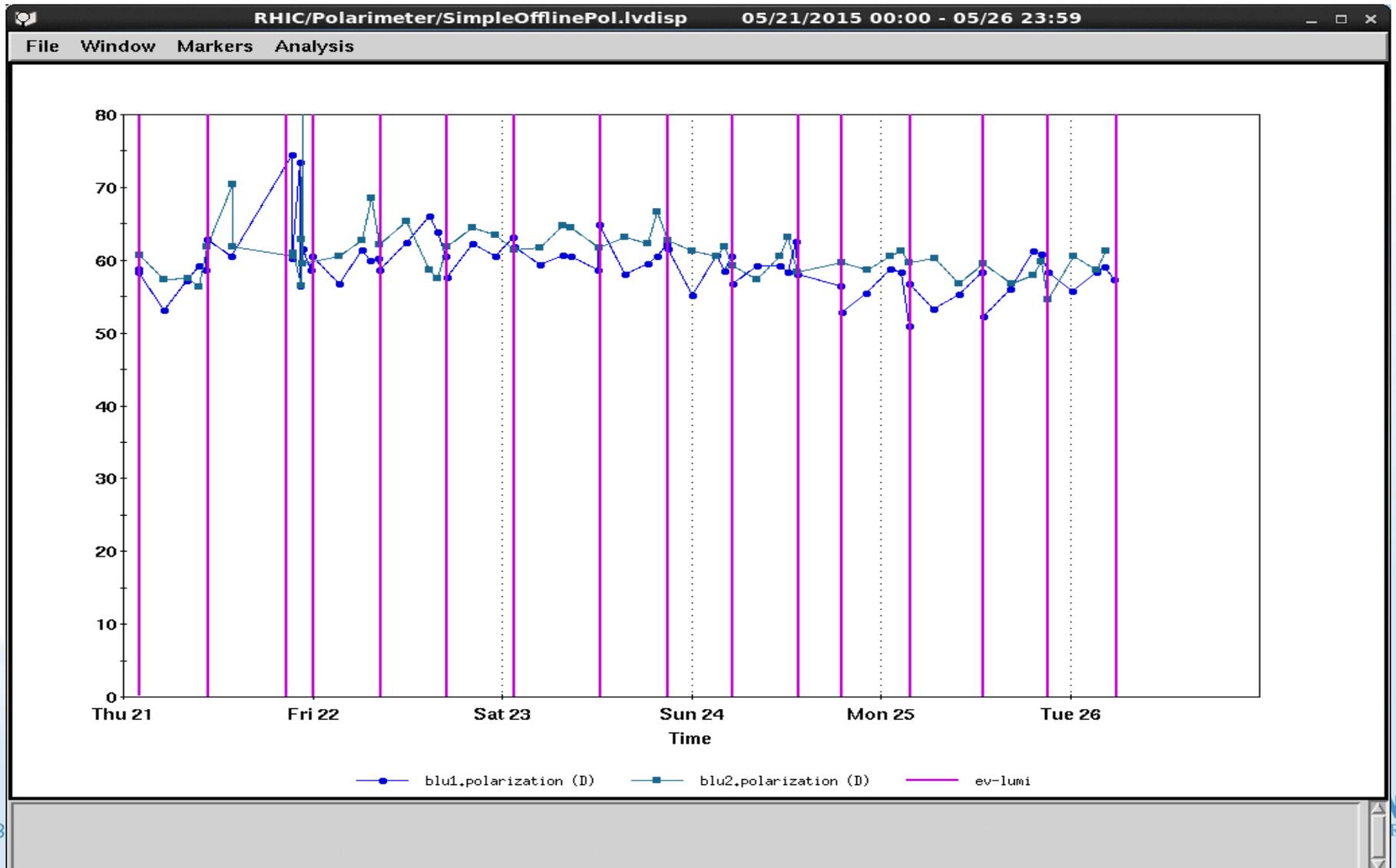
Collision rate



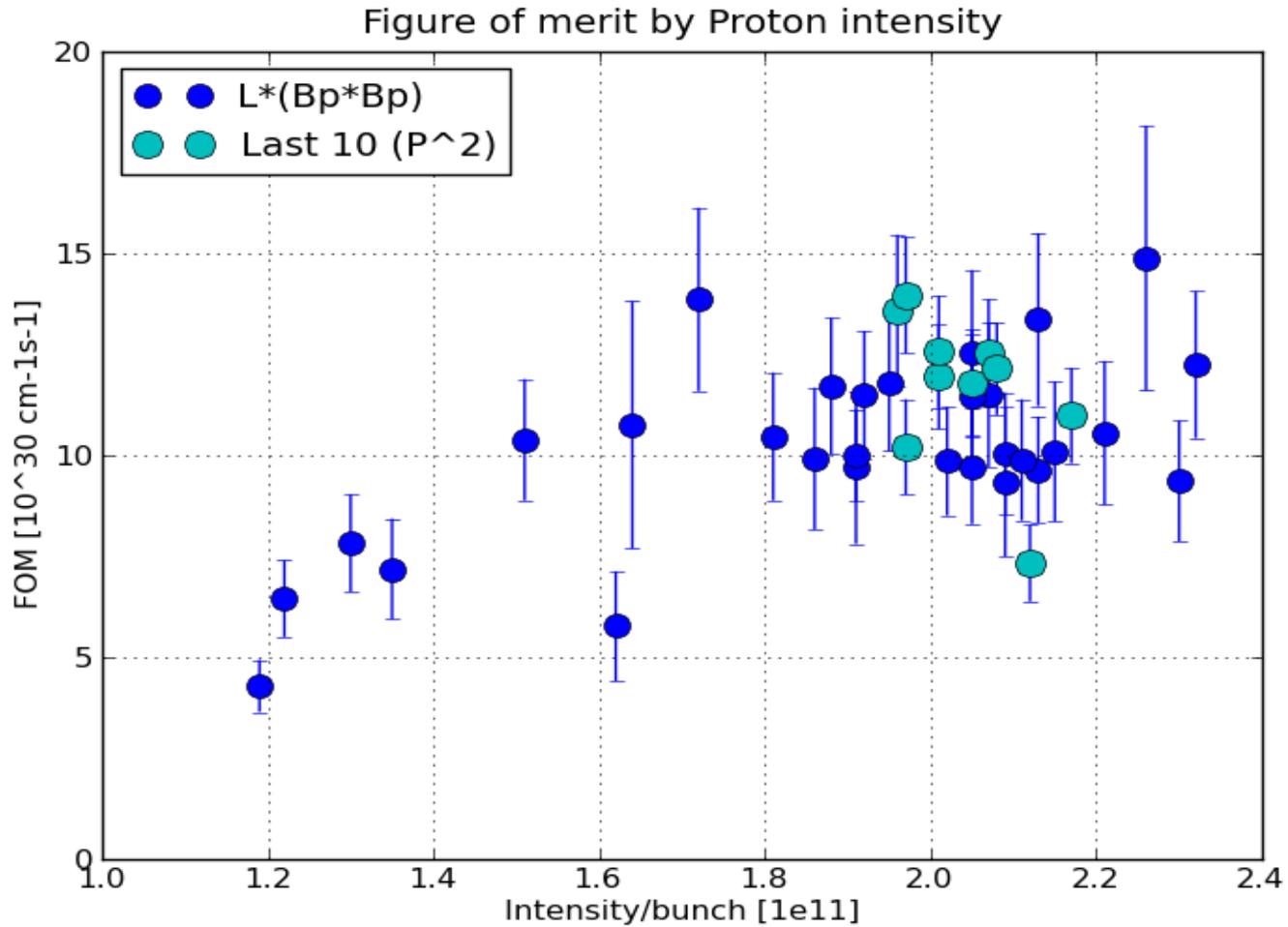
Luminosity



Polarization



FOM plot



Plan of the week

- Maintenance on Wednesday, May 27, 8 AM to 2 PM.
- Bunch-by-bunch damper development on Thursday, ~6 hrs, starting 10 AM.