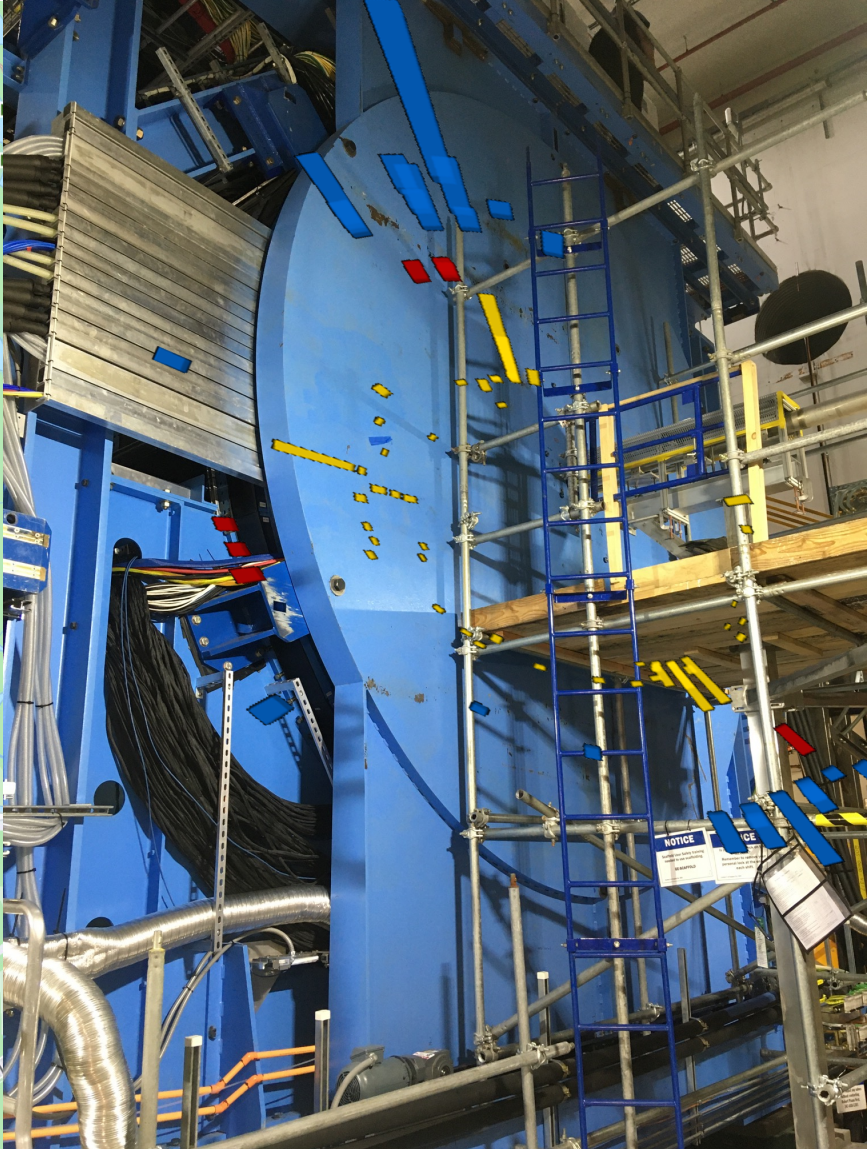


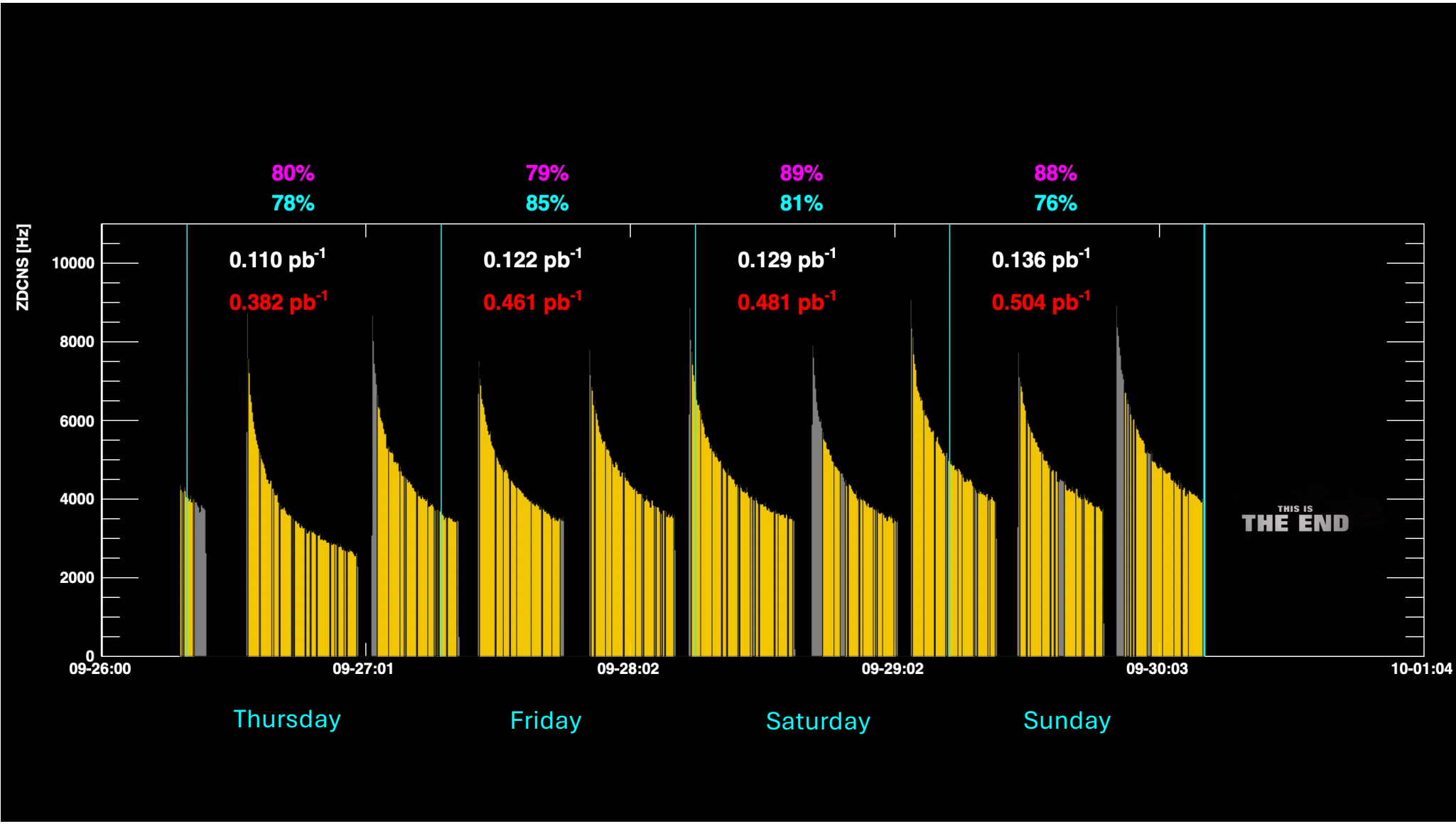
# sPHENIX Status

## RHIC Coordination Meeting

October 01, 2024

Jamie Nagle  
University of Colorado Boulder  
sPHENIX Run Coordinator

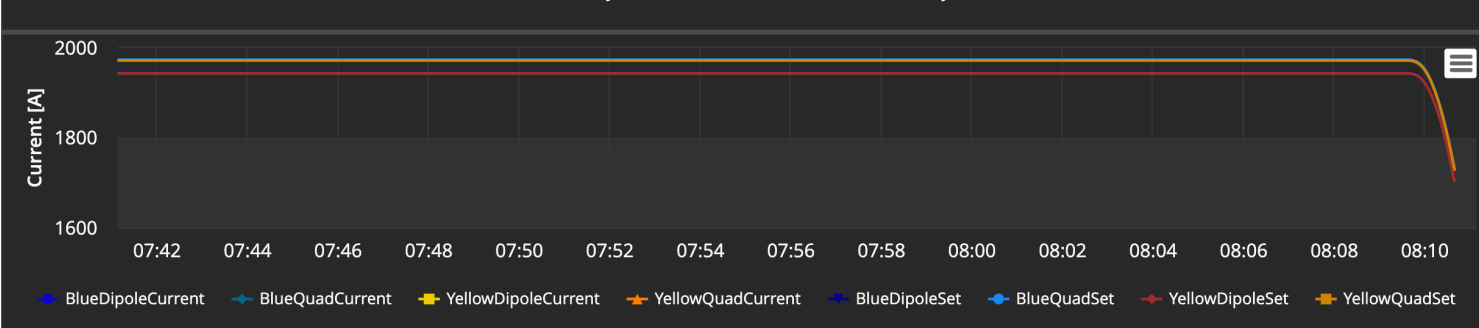
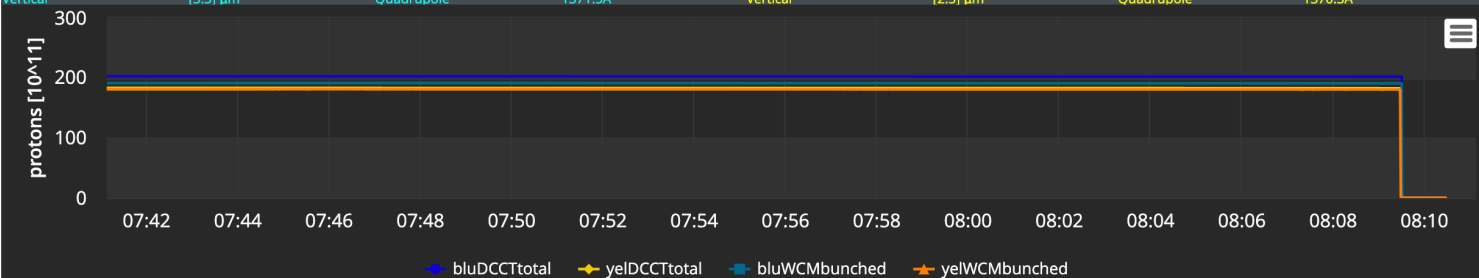




# C-AD Broadcast Sep 30, 2024 08:11:06

- RHIC Injection
- RHIC Ramp**
- RHIC Store
- NSRL
- BLIP
- Injectors
- Polarization
- LEReC
- Cryo
- Links

RHIC Ramp							
Fill #	35155		Ramp Start	Sun Sep 29 23:49:48 EDT 2024			
Fill Pattern	111x111_P8		Ramp Progress	31.7% of Ramping to Park			
Live Ramp file	pp24-100GeV-rotS1_1727669050		Ramp Manager message	Auxramp to park initiated (871 PS moved)			
Blue		Yellow					
Species	PP	Beam Energy	68.4 GeV	Species	PP	Beam Energy	68.4 GeV
Bunches	111 / 111	Intensity	-2.40e+07 ions	Bunches	111 / 111	Intensity	9.12e+07 ions
		Loss Rate	0.00 %/hr			Loss Rate	0.00 %/hr
RMS	Emittance	Main Magnet	Current	RMS	Emittance	Main Magnet	Current
Horizontal	[3.5] $\mu\text{m}$	Dipole	1352.4A	Horizontal	[3.3] $\mu\text{m}$	Dipole	1351.2A
Vertical	[3.3] $\mu\text{m}$	Quadrupole	1371.5A	Vertical	[2.5] $\mu\text{m}$	Quadrupole	1370.3A



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**RHIC**  
111x111\_P8  
Polar. Meas. @ 02:51, 05:51  
Dump @ 08:00

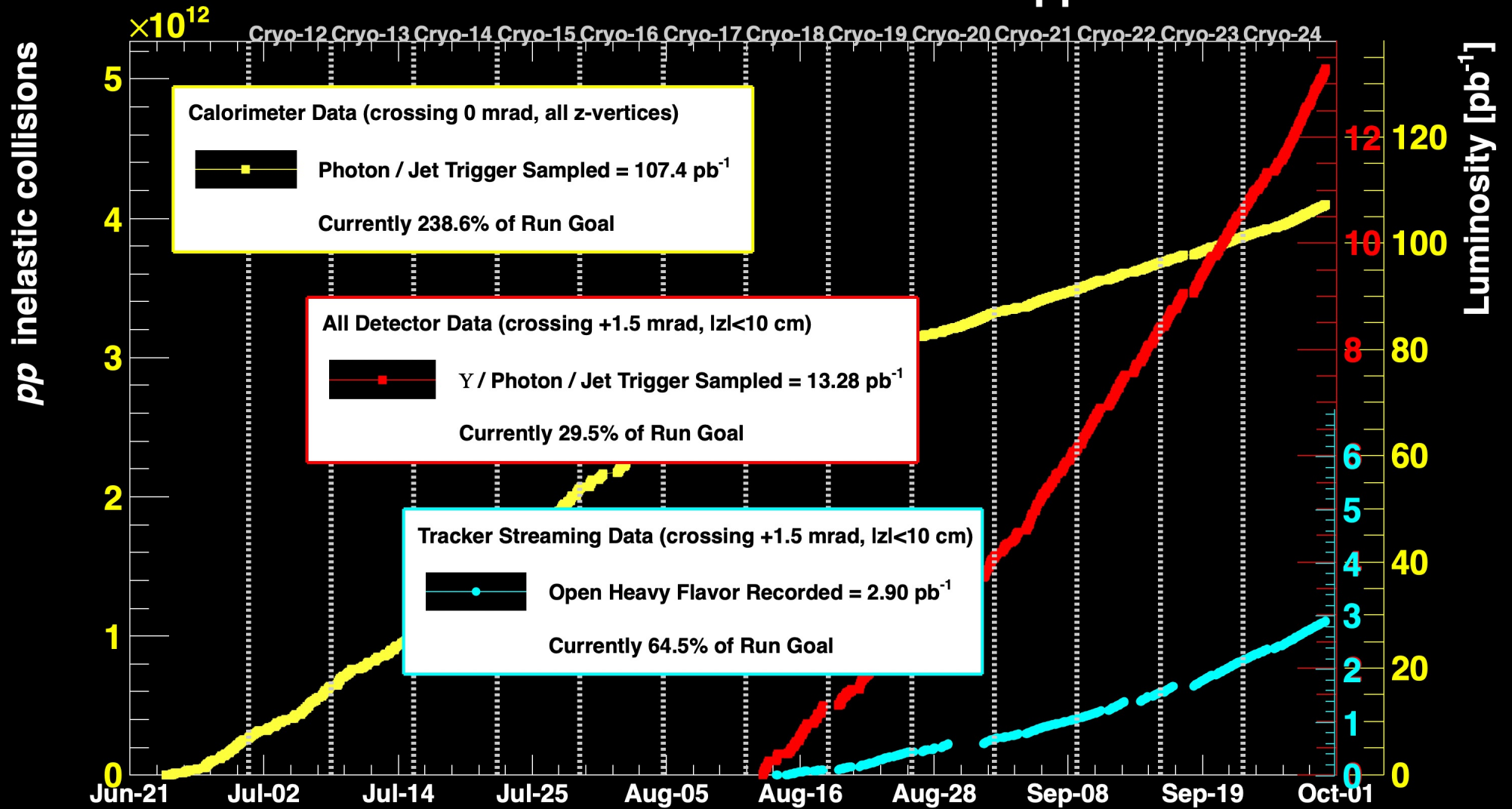
**NSRL**  
Scheduled Shutdown

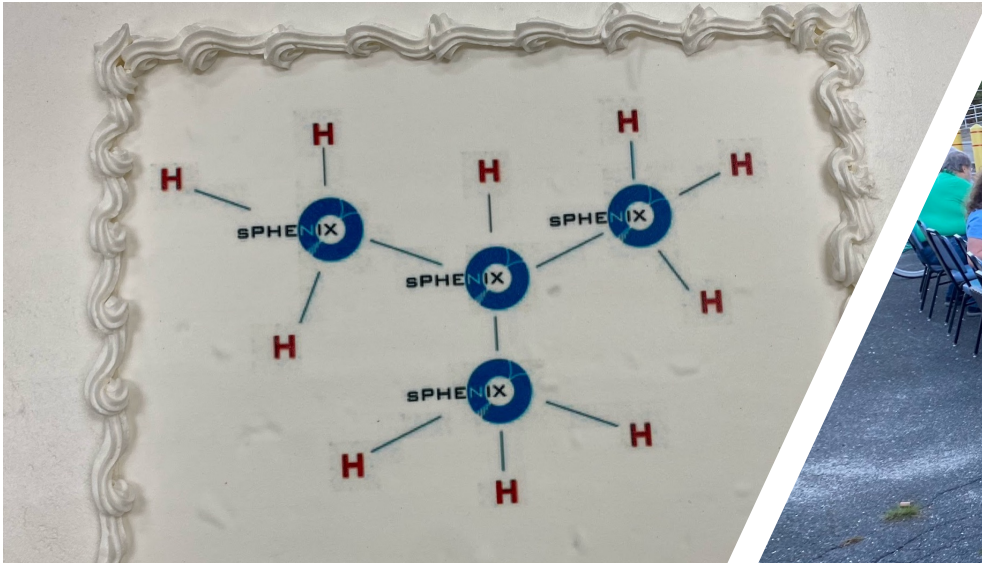
**BLIP**  
The Target 200 MeV 150 uA

**ACCELERATOR SUPPORT AND MAINTENANCE**

To schedule maintenance work contact:  
P. Sampson: x7178, C. Giorgio: x5249, J. Benante: x2745 or CAS watch x2024

# sPHENIX Run 2024 pp $\sqrt{s}=200$ GeV





9/30/24



sPHENIX 2024

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- Basic maintenance work, including temperature control for line laser
- Hoping for AuAu store overnight potentially Wednesday evening. No specific sPHENIX requirements. Either +2 mrad or +0 mrad ..
- Experts available for timing in Minimum Bias Detector, ZDC, and Triggers. Expect to turn on calorimeters, MBD, ZDC, sEPD. Examine ZDC thresholds for trigger / luminosity measure...  
*\* Note likely different from last year's AuAu ZDC Coincidence levels*
- Leaving silicon and TPC off until physics declared, and then requesting 6x6 stores at +2 mrad to start.
- From there, depends on observed backgrounds... potentially single beams, ...
- Desire to do Vernier Scan once everything stable, requiring +0 mrad for that period.