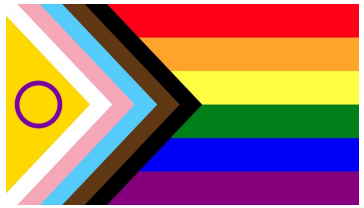
sPHENIX Status
Tuesday Meeting

August 12th, 2025

Rosi Reed
Lehigh University
sPHENIX Run Coordinator

Ron Belmont
UNC Greensboro
sPHENIX Deputy Run Coordinator

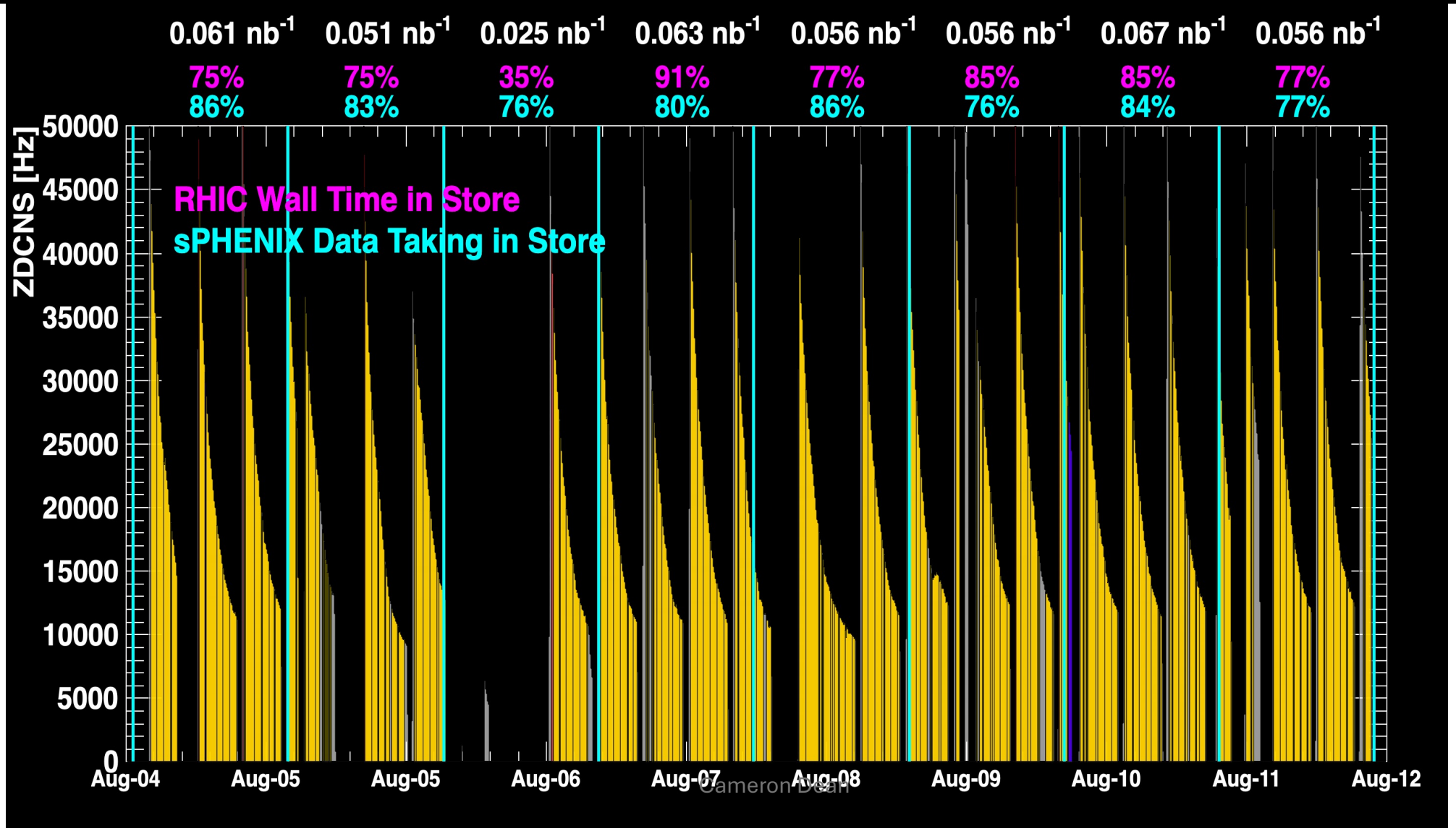


sPHENIX Status
Tuesday Meeting

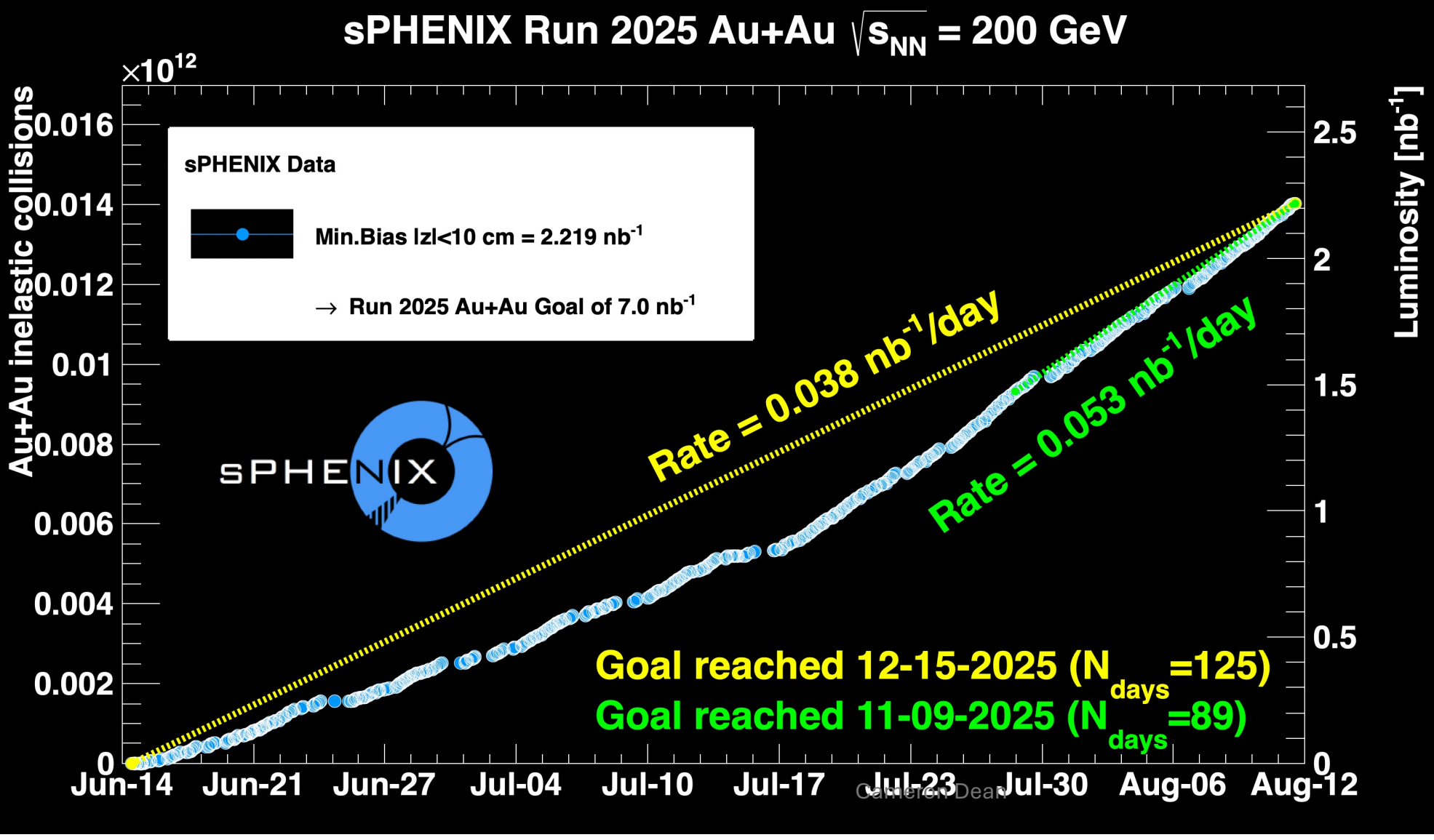
August 12th, 2025

Rosi Reed
Lehigh Uni
sPHENIX
Cameron Dean
MIT
sPHENIX Period Coordinator
ront
sPHENIX Deputy Run Coordinator

Efficiencies



Integrated Luminosity

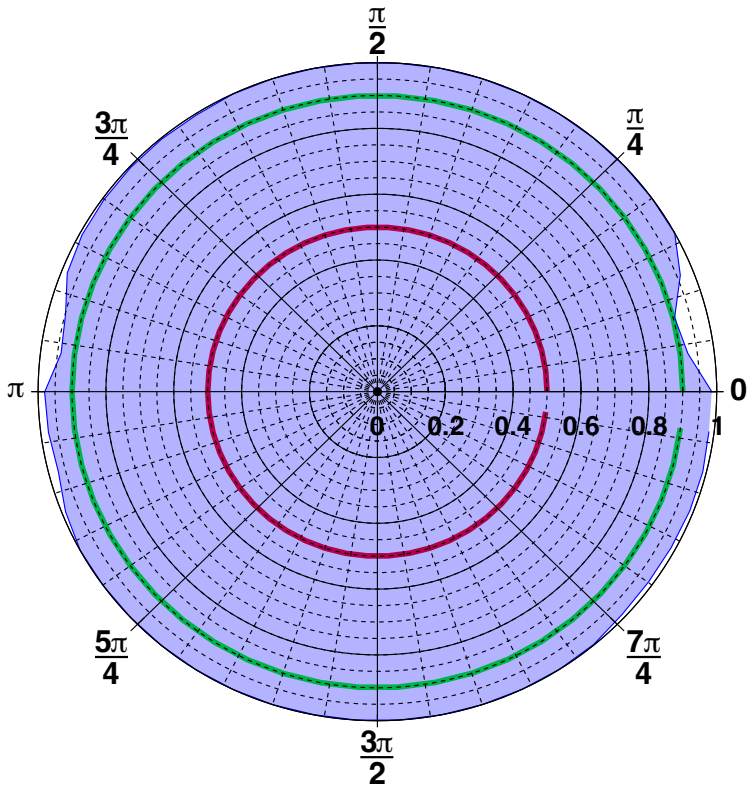


- High uptime for facilities is critical to maintain momentum
- Thanks for the smooth recovery from APEX
- Collaboration is working very hard to run sPHENIX with peak efficiency

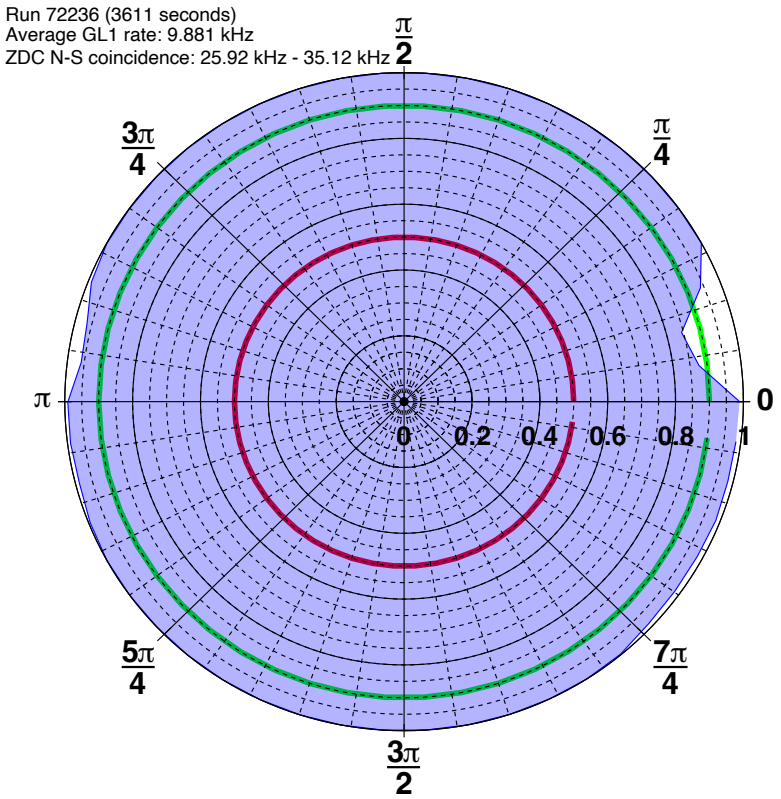
MVTX Autorecoveries

Wheel shows MVTX acceptance assuming 2-cluster tracking (i.e. we have at most one layer in autorecovery)

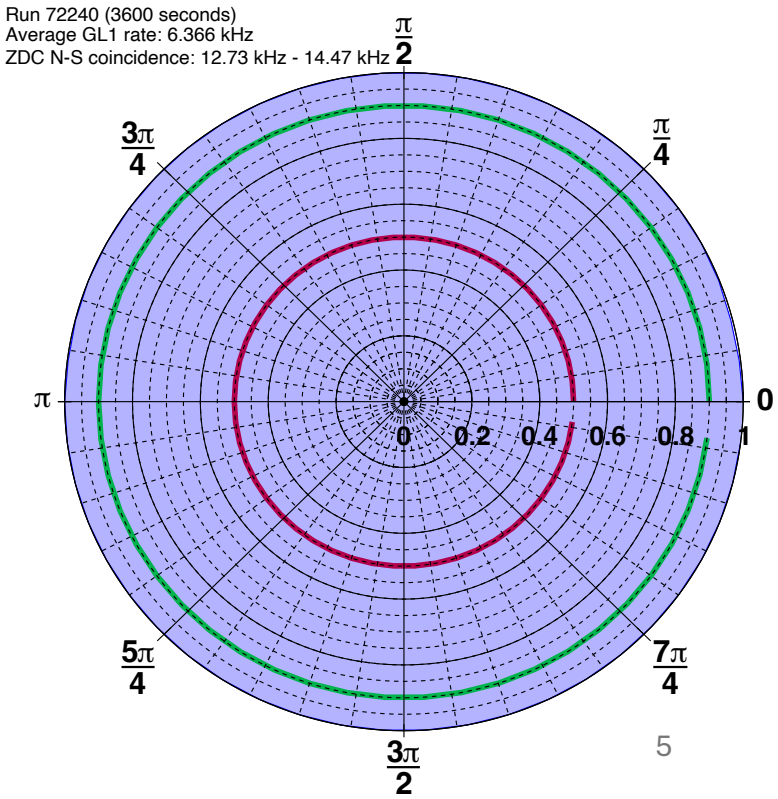
RHIC Fill #35648
July 23th, 2:30am
38 kHz ZDC



RHIC Fill #35656
August 12th, 5:52am
35 kHz ZDC



RHIC Fill #35656
August 12th, 10:17am
12 kHz ZDC



Silicon vertex reconstruction

- Even with higher autorecoveries at the start of store, we can reconstruct the collision point with the MVTX & INTT
- Very good agreement with the MBD
- Plot is from data taken at 7:09am this morning