

sPHENIX Status Coordination Meeting

2025 December 09

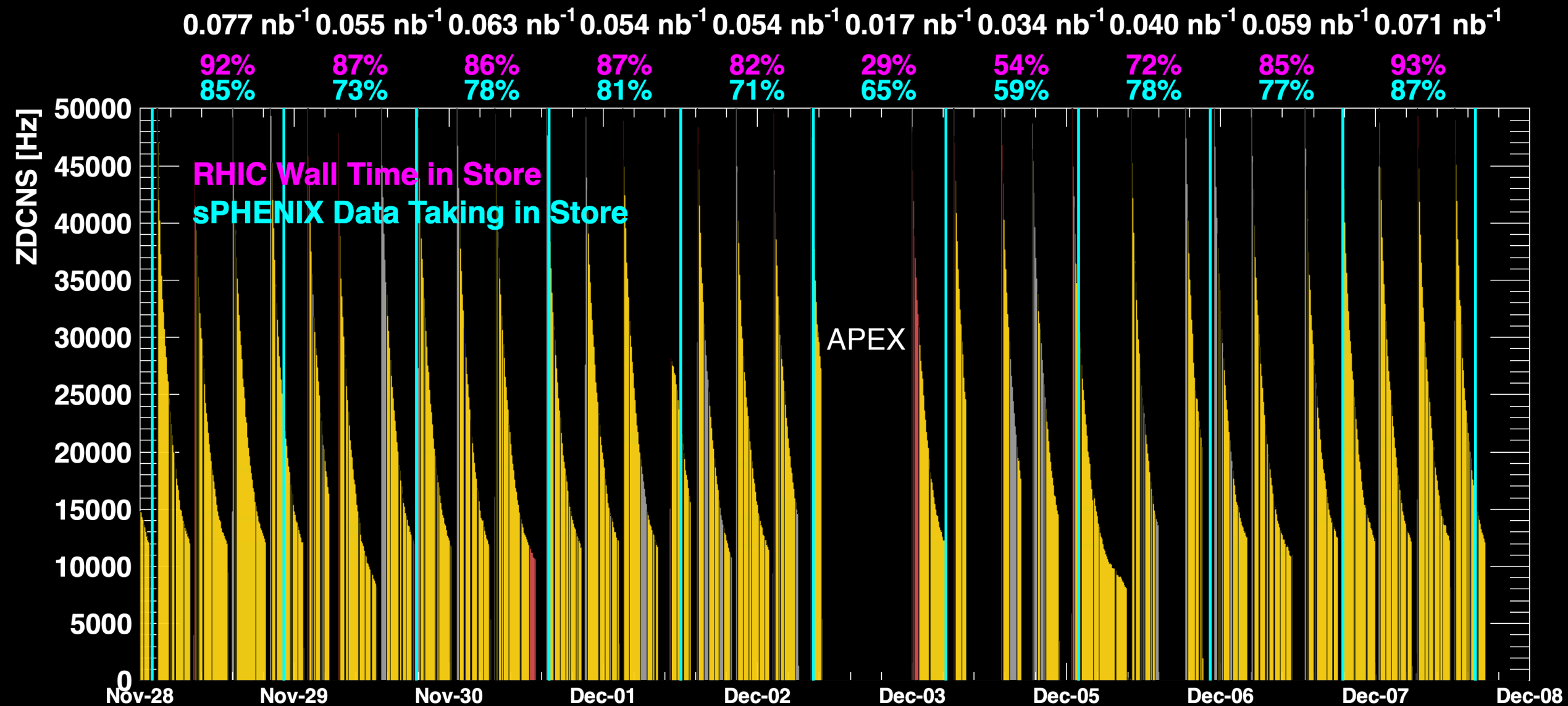
Rosi Reed
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sPHENIX Run Coordinator



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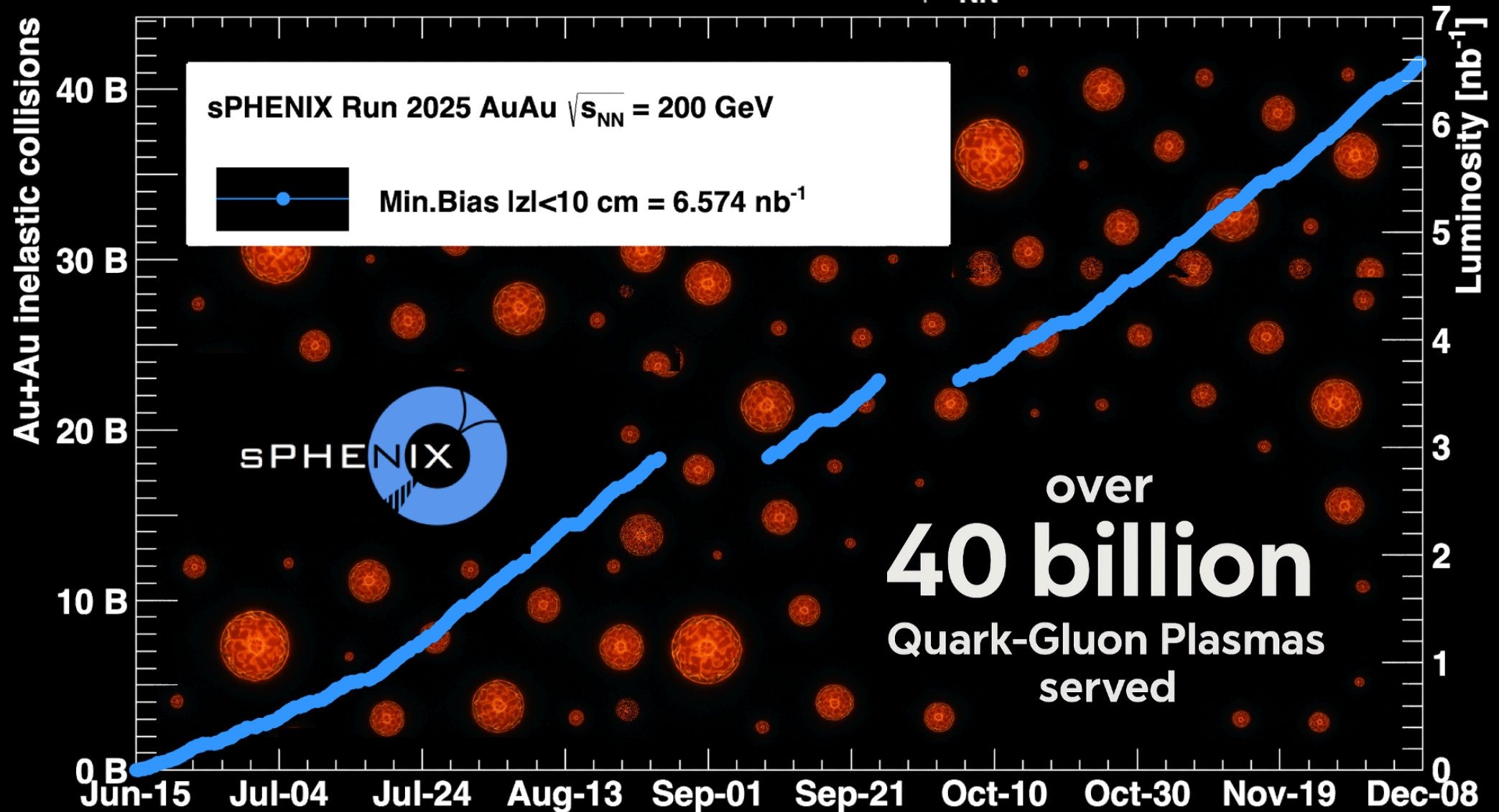


sPHENIX uptime (final 10 days of Au+Au)



sPHENIX luminosity (final Au+Au)

sPHENIX Run 2025 Au+Au $\sqrt{s_{NN}} = 200$ GeV



From Au+Au to p+p

- 6.574 nb⁻¹ recorded: 41.57 billion events, 93.91% of goal
 - Many thanks to C-AD for all the effort!
- EMCal leak mitigation completed (no damage)
- Ongoing preparations for p+p running
 - MVTX thresholding tuning: complete
 - TPC load compensation scheme: in progress
 - Tracking system streaming readout validation with cosmics: this week
 - Trigger development: starting today
 - Crossing angle scan for TPC load optimization: about a day after physics declared
 - Once crossing angle determined, decide TPC streaming strategy and determine whether to move ZDC
- sPHENIX aims to achieve the minimal p+p goal of 13 pb⁻¹, endorsed by the PAC as the top priority after the completion of Au+Au