



Run 25 Status RHIC Coordination

September 23rd, 2025

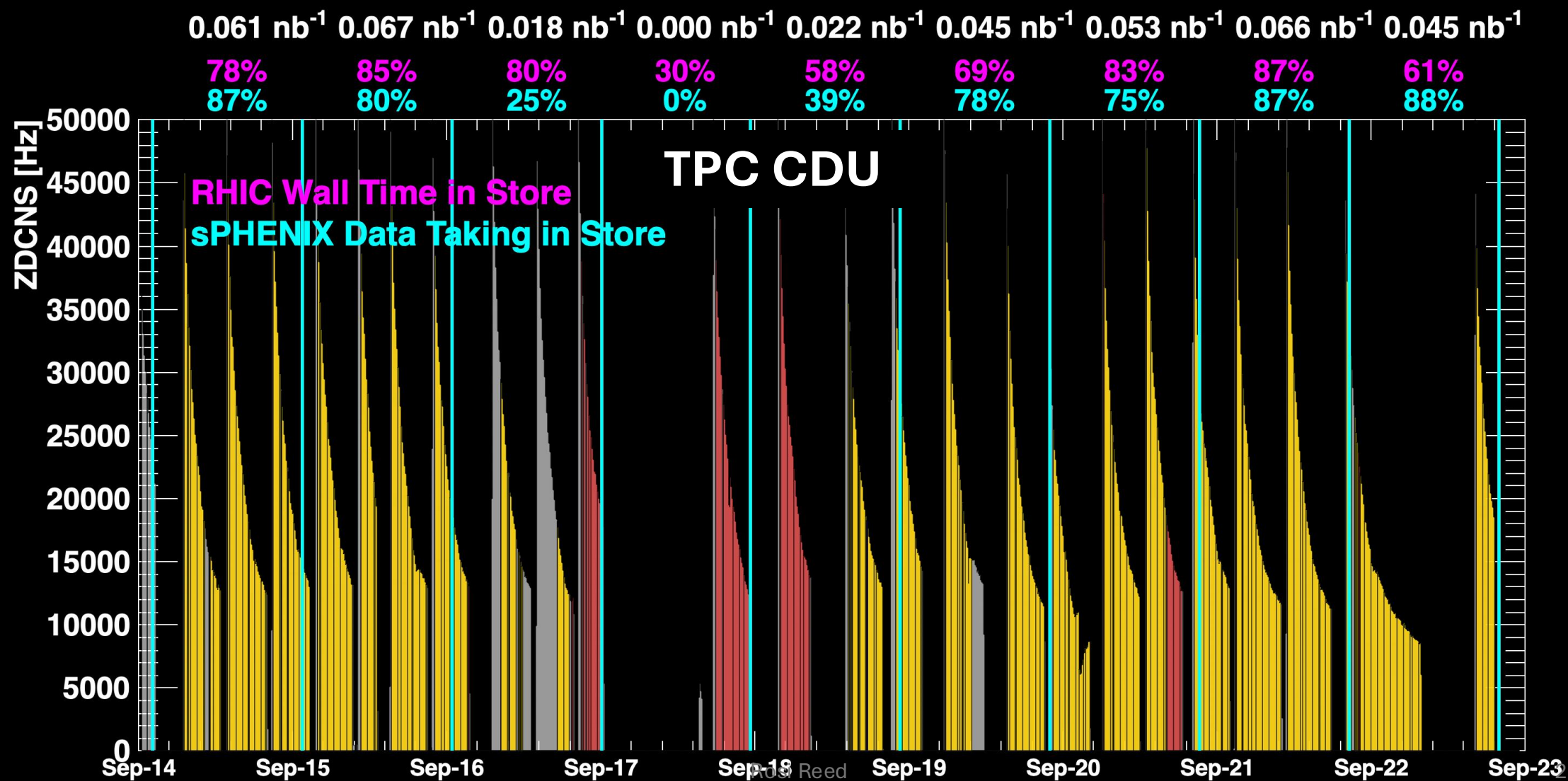
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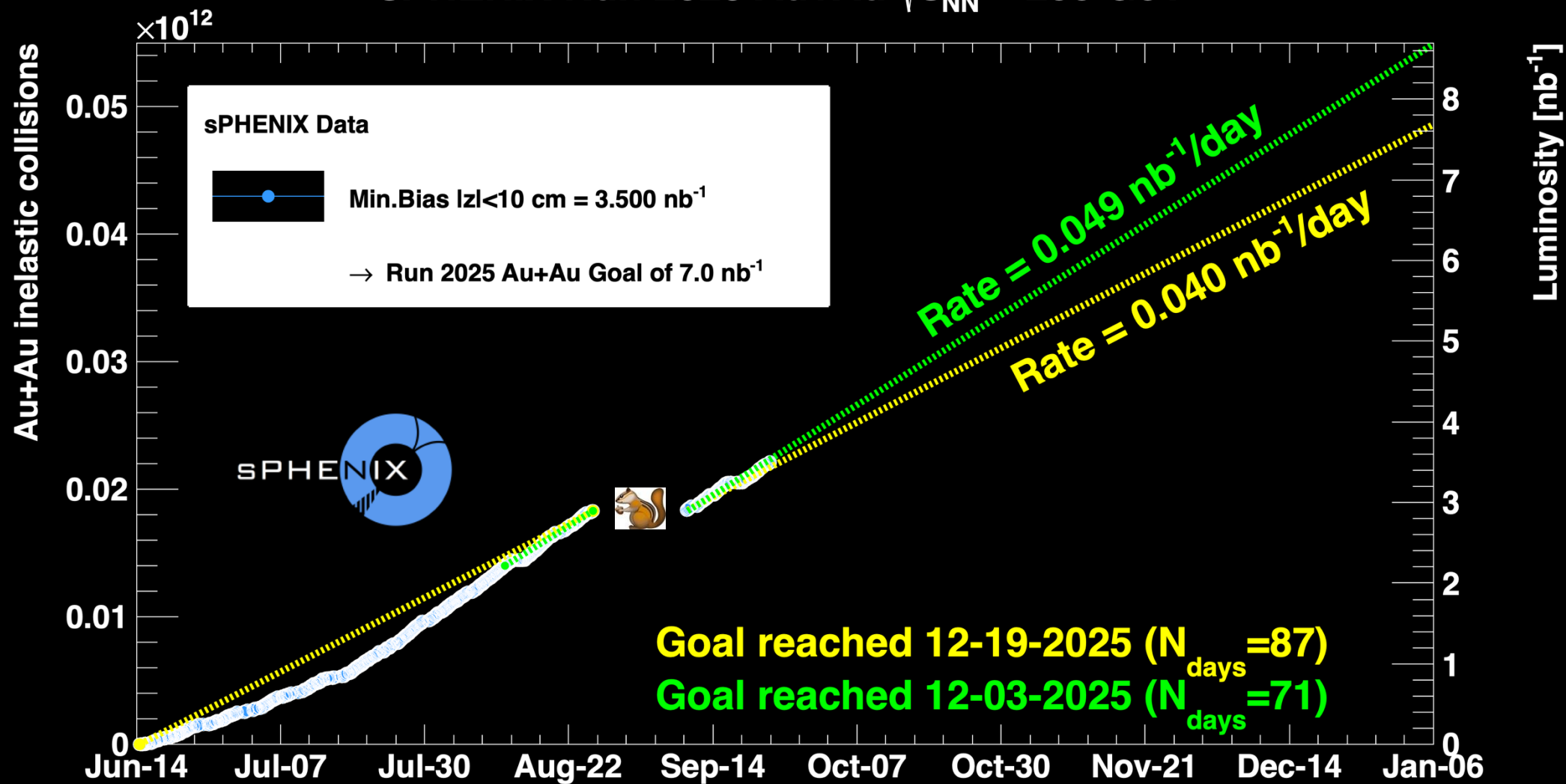


sPHENIX Performance



sPHENIX Luminosity

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



Conclusions

- We are 50.0% of the way to our Au+Au goal, with 72 – 87 days left to go to reach 7 nb⁻¹
 - Dec 4th – 19th
 - Best case scenario is about 0.05nb⁻¹ per day
- TPC CDU has run for 5 day without a trip → experts are still investigating
- TPC HV PS tripped on the 21st due to DC PS failure, quick module replacement with short control access, plenty of spares
- We are still interested in a magnet off (and on) 6x6 run when convenient (other “special” runs will only involve different sPHENIX configurations)

