



sPHENIX Status RHIC Coordination

January 20th, 2026

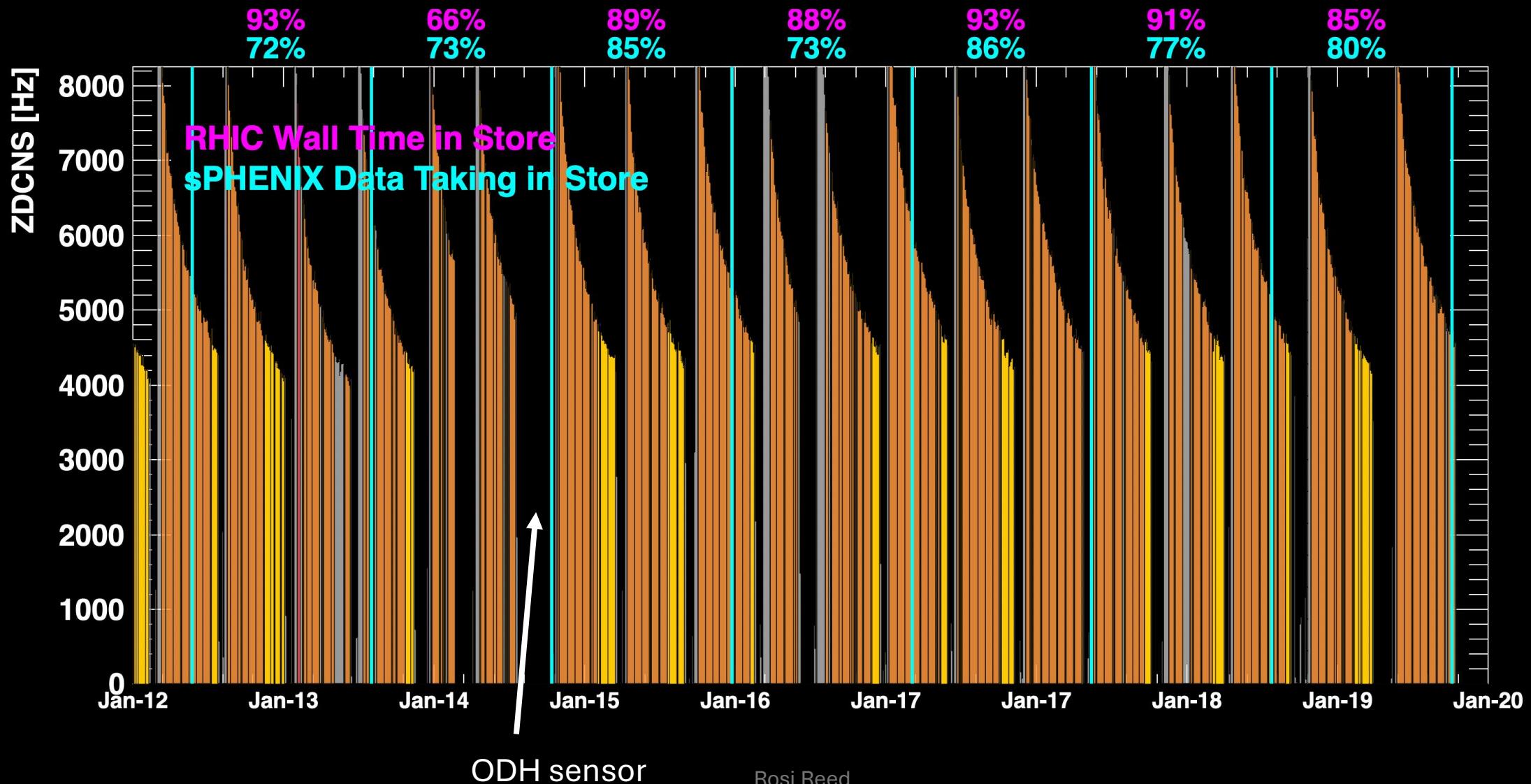
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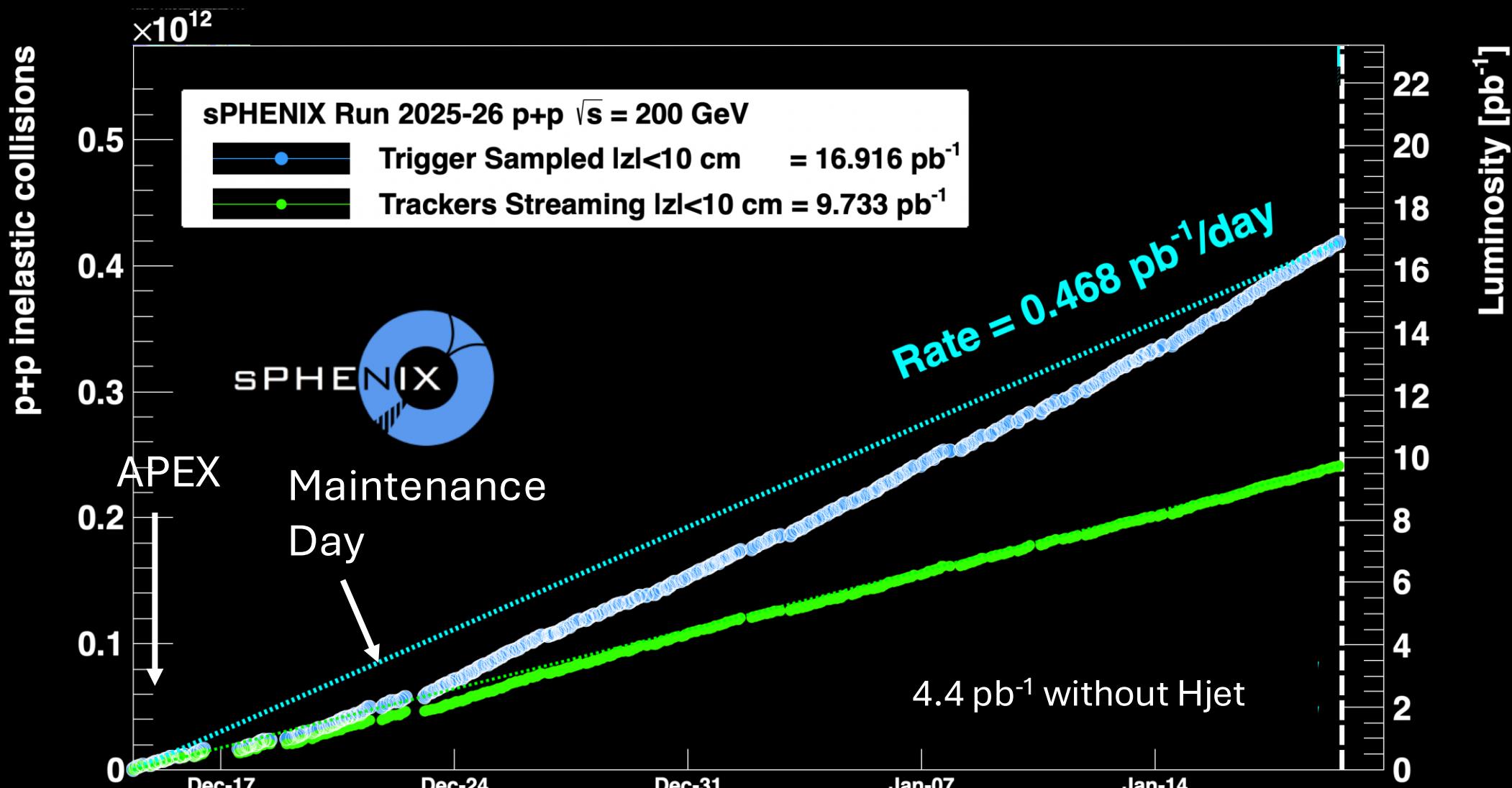


sPHENIX Uptime

TPC Triggered Mode
TPC Streaming Mode
Not Running



sPHENIX Luminosity



Conclusions and outlook to OO

- We finished at 16.9 pb^{-1}
 - Many thanks for the smooth, uninterrupted operation!
 - 12.5 pb^{-1} without hjet, this should be sufficient for our spin physics goals
- For OO running the two big unknowns for us are:
 - The autorecovery rate for the MVTX → determines streaming, extended or triggered operation
 - TPC load due to background → determines crossing angle
- Post-collision run-plan: Calibration requires 200 hours of field on data (TPC laser dance/cosmics) and 2 weeks of field off data
 - End-of-cryo date?
 - TPC Laser dances and cosmic running in current TPC configuration important for understanding distortions
 - Check if we can do this during STAR FXT running
 - We will still fully use all magnet on time regardless