

sPHENIX Status RHIC Coordination

August 19th, 2025

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sPHENIX Run Coordinator



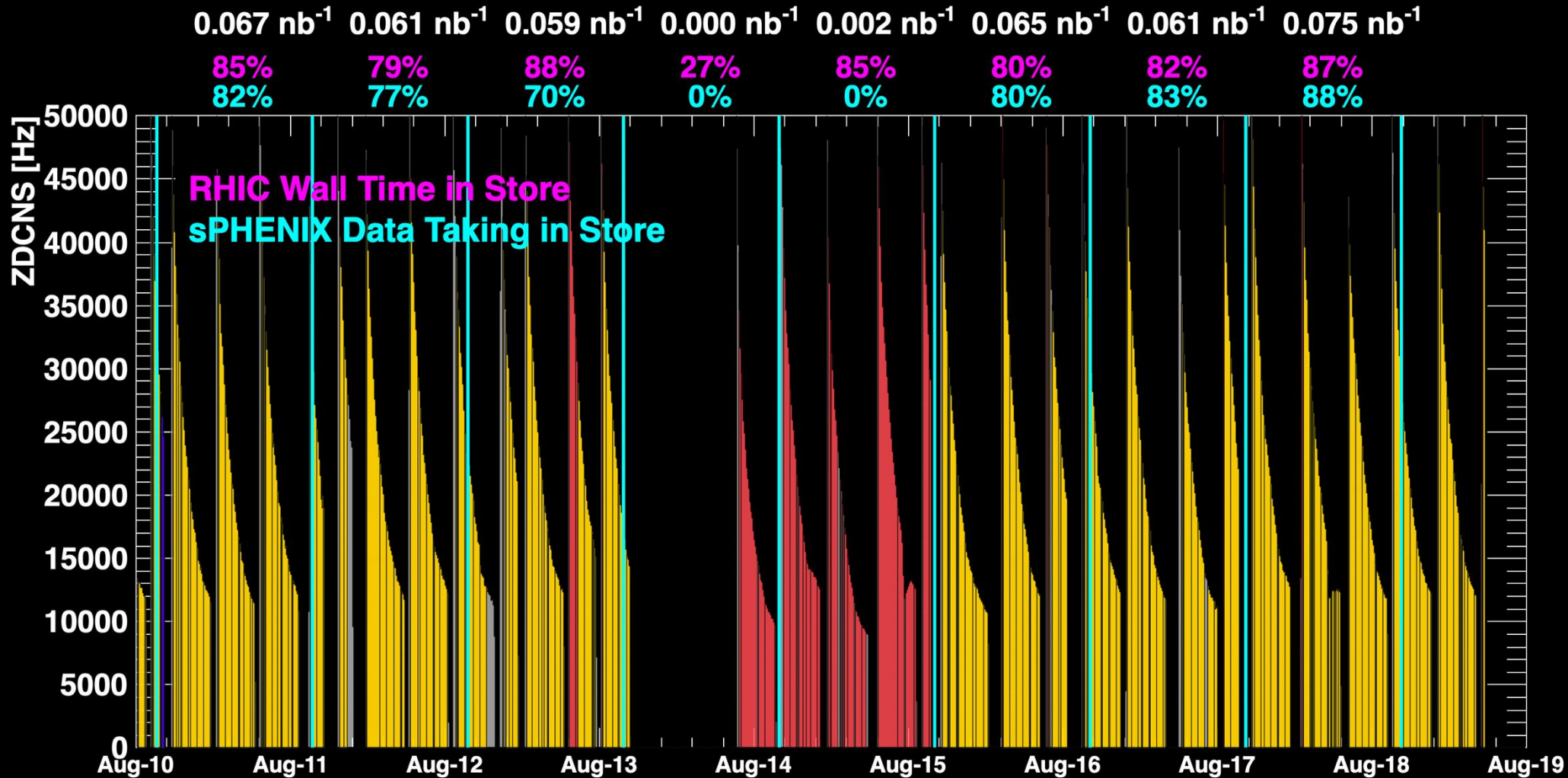
Ron Belmont
UNC Greensboro
sPHENIX Deputy Run Coordinator



Daily average is
now $\sim 0.06 \text{ nb}^{-1}$

sPHENIX Performance

Sunday was
our best day
ever!



sPHENIX Tasks

- Additional complication during maintenance: SDCC servers which host our analysis code, webpages, and eLogs were down from Wednesday morning until Thursday afternoon
 - Long interruptions can cause problems especially after maintenance
- TPC down from 18:37 Wed. to 8:32 Fri. due to the PLC which monitors the gasses going down, shut off flow to TPC
 - Action Items: Replace PLC PS and purchase of new license for firmware
 - Many thanks to Joel Vasquez (Lead engineer), Damian Freire (tech), Rob Pisani (gas), Charles Hughes (TPC), Xiaochun He (Shift leader), Nao Morimoto (Detector Ops), Nikhil Kumar (DAQ ops), Tomoki Harada (Data monitor), Cameron Dean (PC)
- INTT Thermocouple replaced
- iHCAL sector tripped → Access to recover half, investigation ongoing

sPHENIX Integrated Luminosity

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

