



# sPHENIX Status RHIC Coordination Meeting

April 29<sup>th</sup>, 2025

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# sPHENIX status and to-do before beam

- Continuing to take cosmics data and completing many “summer tasks” now
  - Summer shifts are still filled, ready for beam operations over the summer
- DAQ development continues to improve uptime (stability, speed, ease of use)
- MVTX slow controls update nearly finished (should be done this evening)
- TPC updates:
  - Digital current firmware update coming soon (~1 week)
  - Line laser alignment continues (now 5/6 done)
  - Automation of line laser operation almost done (~few days remaining)
  - Final set of CF<sub>4</sub> gas tests this week
- Working with liaison engineers and AC Shop to resolve ongoing ( > 1 month) issues with our ECW cooling
  - Reliable ECW cooling is required for stable operation---ECW failures can cause significant reduction in detector uptime
  - Electronic means of determining chiller status (BACnet cards) are on order