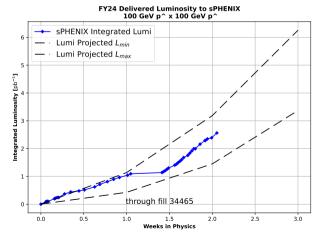




## RHIC status and Lumi Projections

- → Injected intensity up to 1.9e11/bunch at store
- → STAR low luminosty run continues

Preliminary luminosity accounting





## **RHIC Status**

## MD Today to diagnose emittance growth

- → Ramp with 28x28 bunches yesterday yielded lower emittance growth, indicating electron clouds persist despite vacuum improvements
- → Ramp with lowered tunes to get further away from nest of higher order resonance conditions
- → Repeat low bunch ramp with lower octupole strength
- ightarrow Ramp with different octupole strengths to better quantify their effect (8ightarrow4ightarrow0)

MD setup and optimization of rotator ramp (after 5/15).

MD for IP8 beta squeeze after emittances are normal



## Physics Checkpoints

□ β squeeze at IP8
 ☑ 1.0e11 protons per bunch @physics
 □ complete low-luminosity run for STAR
 □ sPHENIX running with nominal store conditions
 ☑ 1.7e11 protons per bunch @physics (Run12 maximum)
 □ 2.0e11 protons per bunch @physics
 □ 2.4e11 protons per bunch @physics (Run15 maximum)
 □ switch to alternate AGS setup

□ 2.5e11 protons per bunch @physics□ 3.0e11 protons per bunch @physics

Brookhaven
National Laboratory