

Hall A RC Report

March 5-Mach 12

Ye Tian
Syracuse University

Thanks for the input from Jinlong

Summary for this week

APEX (E12-10-009) : **the 7th week**

- Optics data taking for RHRS and LHRS
- Production running with Tungsten 2.8% target
- Accelerator energy reduction: 4%, 2.139 GeV
- Increasing the beam current from 30 μA to 40 μA
- SciFi data taking LHRS (successful) and RHRS(not yet)

Daily Activities

March/5th 9AM to March/8th 9AM

- ✓ RF recovery and energy reduction

3/5: Tuesday

- ✓ Changed Right Arm Polarity and started taking cosmic data

3/6: Wednesday beam tuning

3/7: Thursday beam tuning

3/8: Friday beam back 30 μ A, 3.5 h (ABU)

- ✓ SciFi commissioning
- ✓ RHRS optics data with the wires and optics foils
- ✓ Restore the polarity for positron detection
- ✓ Raster calibration

Daily Activities

3/9: Saturday 30 μ A, 18.7 h(ABU)

✓ Production data

3/10: Sunday 30 μ A, 15.9 h(ABU)

☐ LHRS dipole NMR lost communication (5 h)

✓ Lost target temperature sensor response

✓ Production, dipole with Hall probe monitoring

3/11: Monday 40 μ A, 15.6 h(ABU)

✓ A control access for LHRS dipole NMR around 3.5 h

✓ LHRS optics calibration

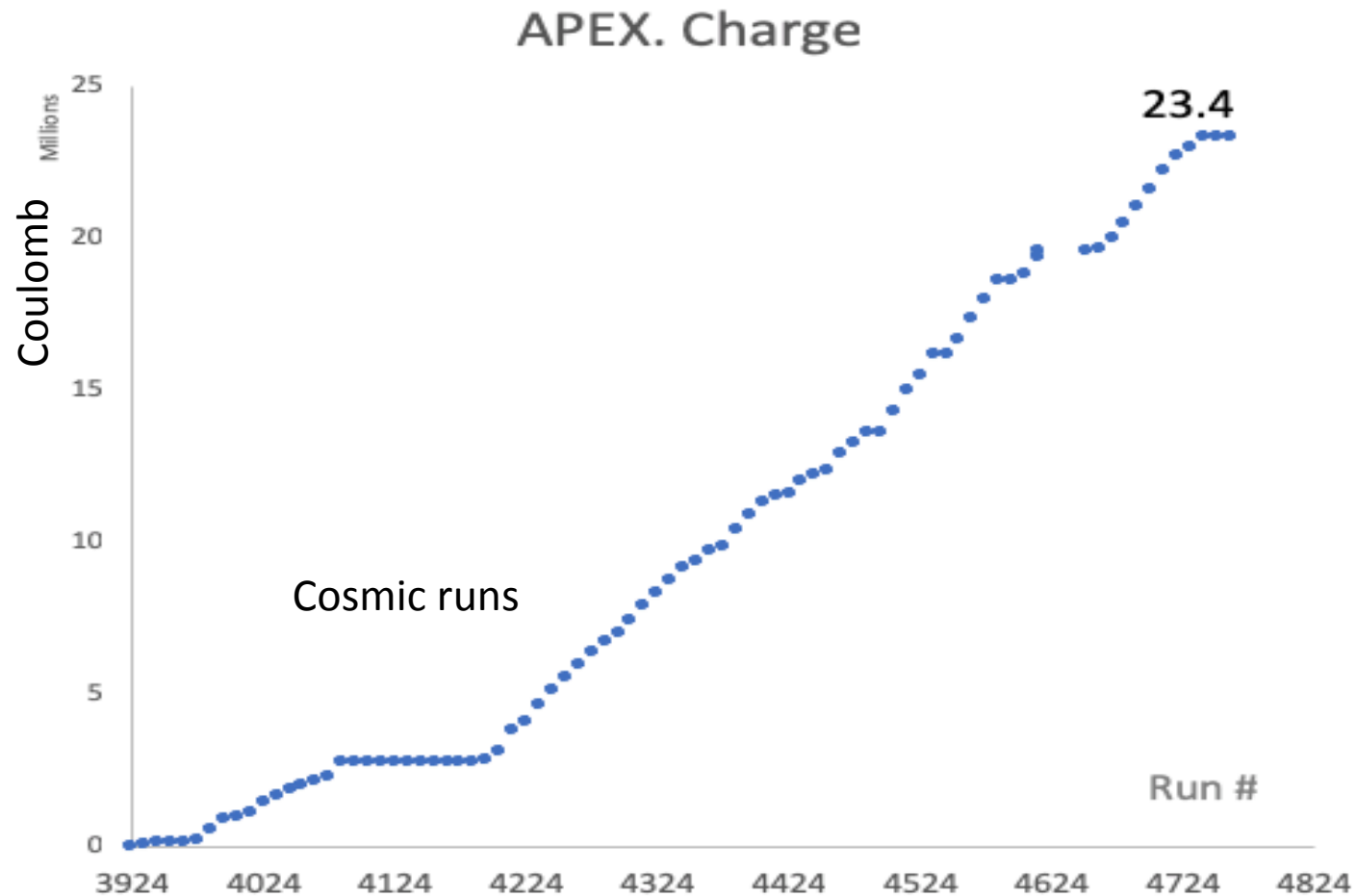
✓ Production

3/12: Tuesday 40 μ A

✓ Production

Summary

APEX will be running until March 18 morning.



Thank you!