



FAST Facility / IOTA

Machine Report

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AD-ARD Dept. Meeting

Friday 1100

14-July-2023

FAST / IOTA

- Started the week strong: ran beam through Wednesday
 - Cryo system recovered, able to tune-up SRF cavities & re-establish beam (see: [244384](#))
 - Ran to the LEA for NEB preliminary studies through Tuesday (see: [244416](#), [244493](#))
 - Wednesday, successfully tuned injection into IOTA (see: [244581](#))
- Yesterday ca. midnight, South Compressor tripped & took out Kinney Vacuum Skid: down on Cryo again
 - Pressure in SRF cavities too high: low ~100's of torr, system unstable
 - Jerry Makara & Co. are working the problem – *thank you*
 - ~~It is possible that the Compressor will need to be replaced—this would amount to weeks of downtime~~ **FIXED. Beam ETA: Monday**
 - See: [244640](#), [244643](#), [244667](#)
- **IOTA CABLE PULL IS APPROVED** – *target time is mid-week next week; will coordinate scheduling*
- Trim dipole V106 in the 50 MeV Line continues to trip off overnight
 - Resets w/o issue but is consistently going down on Tracking Error & External Permit faults
 - Will inspect connection @ power supply in FAST high-bay today
- Panel on emergency backup generator outside NE end of FAST alarming – *Bruce Bieritz is aware, work-order in*
- Contact me with any ~~beam or~~ access requests at x6944 / dmaclean@fnal.gov