



FAST Facility / IOTA

Machine Report

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AD-ARD Dept. Meeting

Friday, 1100

8-September-2023

FAST / IOTA

- Cryo recovery throughout week after 100K thermal bump, outage – *SRF cavities back at 2K, stabilizing*
 - Big thanks to Tim Wallace & Joaquim Creus-Prats
 - Cavity tuner motors moved back to cold positions yesterday throughout day
 - See: [247199](#), [247253](#)
- MSS Outage on Wednesday
 - Nightmare
 - Recovery ongoing, see: [247162](#) & [247243](#)
 - Most accelerator systems back online at this point, small number of holdouts – *CM: HLRF PLC Drive Trip*
 - Many thanks to EE Support, Water Group, Cryo, Controls, and MCR-Ops for helping us get back up
- Plan for today is to get everything online, tune-up, and hopefully re-establish beam to IOTA
 - NEB crew scheduled to run in the LINAC w/beam to LEA this afternoon/evening – *I will reconfigure & tune-up for that ASAP*
 - Tuning injection into IOTA will almost certainly take >1 day after extended downtime
- Next week: IOTA150-NIO Monday pending reliable injection, rest of week TBD
- Contact me w/any beam or access requests: dmaclean@fnal.gov | x6944