



FAST Facility / IOTA

Status Report

Daniel R. MacLean
AD Operations Meeting
Friday 0900
23 December 2022

FAST / IOTA

- Low liquid Helium level (N:3LL90) in Cryomodule held off beam to IOTA from Friday AM to Tuesday
 - Have been able to run beam to IOTA w/minimal downtime since Tuesday AM
 - Solenoid scans in the LINAC w/beam to LEA on Monday while waiting for Cryo to stabilize
- Brief ACNET / Network outage last Friday had minimal effect on FAST operations
- Ongoing issues w/IOTA BPMs freezing up
 - Able to reset w/assistance from Instrumentation but slows measurements
 - See: [230181](#), [230284](#)
- It has been >2 weeks since RF Gun xformer oil filtration – *no further ground current trips*
- No requests for beam to IOTA next week – *analysis of data from recent measurements ongoing*
- **Plan to finish commissioning IOTA @ 150 MeV and complete nonlinear optics studies, in parallel with further LINAC studies as requested**
 - Controlled access will be handled as-needed / opportunistically until January 4th – *contact the FCR shifter (x2000) or Jamie (x4996)*
 - There are no accesses scheduled or requested at this time