



FAST Facility / IOTA

Machine Report

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AD-Ops Meeting

Friday, 0900

15-September-2023

FAST / IOTA

- Continuing issues with several systems kept us down this week:
 - Two problematic nodes:
 - NML065C – *completely dead, controls IBEND + multifunction correction elements in IOTA* **RESOLVED: thanks @ Mike Kucera & Dean Arveson ✓**
 - NMLHEC – *300 MeV Line correction elements, hangs up & requires constant soft-reboots (investigation ongoing)*
 - Issue w/IOTA Lambertson LCW temp probe causing overtemp trips – *readback flaky but no more trips after connection re-seated Wed.*
 - 2x power supplies for IOTA multifunction correctors appear to be either misconfigured or broken – *troubleshooting ongoing*
 - Cryo instabilities earlier in the week; resolved for now – *thanks @ Joaquim & Tim*
- Preparing for 2nd power outage on Monday
 - Will take the usual preemptive measures + apply what we learned from last Wednesday as best we can
 - Hopefully will not be as disruptive as last week's outage
 - Schedule next week completely contingent on scale of recovery efforts; will not know until post-outage
- Plan until Monday / post-outage is to continue trying to get beam orbiting in IOTA
- Will run over weekend if we can achieve reliable injection & no further issues arise – **outage prep Sunday**
- FCR / high-bay walkthrough today by Maddie Schoell & Co. for SAD/ASE discussion (ca. ~1400)