



## **FAST Facility / IOTA**

### **Machine Report**

Daniel R. MacLean

AD-ARD Dept. Meeting

Friday, 1100

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 2<sup>nd</sup> 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**
- Walkthrough today by Maddie Schoell + new Deputy C.O.O. for SAD/ASE discussion (ca. ~1400)