



FAST Facility / IOTA

Machine Report

Daniel R. MacLean
AD Operations Meeting
Friday 0900
26 May 2023

FAST / IOTA

- Ran smoothly all week
 - Cryo has remained stable since recovering – *thanks for the continued support*
 - Some minor issues w/Drive Laser stability due to ambient temperature fluctuations (resolved)
- CLARA experiment nearing end of data collection; analysis ongoing – *G. Stancari, A. Shemyakin*
 - Got down to 1 orbiting electron again on Thursday, lifetime was ~45 minutes
 - See: [241386](#), [241387](#)
- IOTA RF studies yesterday during AM shift - *S. Daley, K. Carlson, CHip*
 - Vertical Injection Kicker (N:IKPSV) tripped a handful of times during repeated pulse-to-pulse injections – *reset w/o issue*
 - Managed to hit ~1.5 mA of beam orbiting in IOTA – *studiers requested maximum possible beam current*
 - See: [241485](#)
- Interlocks Group ran some ODH tests in the enclosure yesterday as well
- Today: IOTA150-NIO all day – *A. Romanov, J. Wieland*
- Schedule for next week still TBD; contact FAST RunCo (J. Santucci, x4996) w/any requests.