



FAST Facility / IOTA

Machine Report

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AD-ARD Dept. Meeting

Friday, 1100

20-October-2023

FAST / IOTA

- Run-4 at FAST/IOTA scheduled to end this Sunday, 22-October-2023 after PM shift (ca. ~2200)
 - Warmup of Cryo system to begin next week, will de-post enclosure to ODH-0 once all cryogens are cleared & Safety approves
 - Misc. shutdown tasks to be handled by FAST-Ops personnel – *klystron filaments to black heat, shutdown magnet supplies, etc.*
 - Focus will shift entirely to installation / commissioning IOTA Proton Injector
- Currently no major issues with machine, dealt with handful of problems throughout week
 - CC2 down on repeated klystron solenoid current faults Tuesday night – *replaced NIM comparator monitoring current; no further issues*
 - KVS trip took out Cryo permits Wednesday morning (see: [248728](#)) – *Cryo personnel were able to recover within ~2 hours (thanks!)*
 - No further RF Gun trips on ground current within pulse xfmr tank; oil processing now seems to have worked
- Full-day power outages scheduled for next week have been postponed (Feeder 35, etc.)
 - CMTF originally requested to postpone
 - We support based on feedback from Cryo personnel: warmup planned during that time, need stability
- Today & over weekend: IOTA150-LADR & IOTA150-NIO crews rotating back to back
- IOTA150-NIOLD crew finished experimental program yesterday