



FAST Facility / IOTA

Machine Report

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AD Operations Meeting

Friday, 0900

6-October-2023

FAST / IOTA

- Running well, some minor issues w/machine but nothing currently holding us off – *24/7 shifts scheduled through weekend*
 - Node CLX28E (controlling IOTA octupole supplies) will periodically go into an unresponsive state, requires soft-reboot
 - IOTA BPMs have been hanging up, require assistance from Instrumentation to bring back
 - CC1 RF issues may actually be originating from the LLRF system (ESECON)
 - Still investigating; no external support for that system – *thanks @ Ding Sun for helping w/diagnostics anyway*
 - May swap-out main board in the ESECON module when there is time – *not a top priority, will require some configuration (time)*
 - Running w/CC2 @ 14 MV/m meanwhile for 150 MeV injection into IOTA
 - Bulk supply for IOTA 2-Amps regulator chassis went down Monday AM, took out skew correctors, bump correctors, DN magnet + more
 - These are our supplies, tried troubleshooting in-house with no luck
 - EE Support came out to take a look anyway; Pete Dimovski & Ty Omark were able to locate a spare and swap it out – *everything back online by 1400*
 - Massive thanks to Pete & Ty for helping out with that: was holding off measurements for IOTA150-NIO
- IOTA150 experiment crews rotating well, NEB crew wrapping up
- Re-calibrated IOTA sync-light PMTs yesterday during dedicated PM shift – *G. Stancari*
 - Installed @ IOTA bend dipoles M2L & M3L
 - See: [248221](#)
- Run-4 end date contingent on IPI cable pull contract – *still in Procurement, confirmation expected within next ~few days*