

RunCo Report for IOTA/FAST Meeting 04/23

• Important Dates:

- FAST Shutdown: ~end of June(ish)
- Main Complex Summer Shutdown
 - June 28 – Sept ~12 (HEP 10/04)
- FESS:
 - Adams Strainer continuous cycling is fixed™ again
 - FESS is in the *process*™ of switching Fermilab buildings from Heating to Cooling throughout April
 - NML 13.8 kV switch/transformer HV-PM August 3
 - Lab B HV-PM (Cryo): July 23 (FAST @ RT by then)
 - Master Sub Outages: August 30 & September 07 & September 13

• Linac:

- Camera servers being worked on (ongoing)
- Kinney pump MPS upgrade on Monday
 - Kinney shut down during the work
- CC1 and CM not stable after Kinney work
- CM may have contamination in the JT

• IOTA: *Working on lifetime & aperture & lattice & orbit*

- We are up to 0.2 mA and 15 minutes (not at the same time)
- M3R Trim coils still need checking
- 150 MeV studies
 - IBEND needs slow ramp-down (in sequencer)
- OSC running better than expected!
 - (e⁻/PU/KU alignments, tuning, interference)
- IOTA tune analyzer exists now (see Nilanjan)
- Cables pulled for OSC & IOTA being terminated
 - Work to occur during morning CAs
- MPS timing work successfully done (Chip)
- beam instability. Quads PSs suspected.

Run Plan for Next Week (April 26)

- Monday – Friday
 - Monday Morning CA (all day?)
 - CM at 2-5K from weekend contamination cleanup (warmup maybe)
 - Electrical work in ESB
 - COB iris may need unsticking
 - CA in the mornings (w/ RunCo approval)
 - OSC diagnostics installation
 - IOTA Cable termination
 - URSSE tweaking and calibration
 - Run beam in IOTA after noon for:
 - lattice tuning for OSC
 - aperture studies?
 - OSC running
 - 150 commissioning