

RunCo Report for IOTA/FAST Meeting 05/21

• Important Dates:

- FAST Shutdown: ~end of June(ish)
- Main Complex Summer Shutdown
 - 06/28–~09/19 (HEP ~10/04) (AD/Ops/Schedule)
- Webpage “Security-fixes” ongoing
 - **ENSURE: posted materials do not contain sensitive PII.**
- FESS:
 - FESS *completed*TM switching NML to cooling May 6
 - **Issue with CW makeup valve. Working with Safety.**
 - NML 13.8 kV switch/transformer HV-PM August 3
 - Lab B HV-PM (Cryo): July 23 (FAST @ RT by then)
 - KRS & MSS Outages (30 min): 08/30 & 09/07 & 09/13

• Linac:

- Camera servers being upgraded (ongoing)
- **Cryo down**
 - South compressor tripped off by PLC
 - We warmed up to only 5K.
 - Experts working on getting us back up
 - Pumping down CM now

• IOTA: OSC Studies Continue

- We were up to 0.2 mA and 15 minutes (not at the same time)
- M3R Trim coils still not solved. Ongoing.
- 150 MeV studies
 - IBEND needs slow ramp-down (use sequencer)
- OSC studies
 - Good progress (see Jonathan)
 - (e⁻/PU/KU alignments, tuning, interference)
 - Instrumentation work in IOTA
 - **Instability studies continue**
 - IBEND mostly resolved thanks to EE Support
 - Still some 1 Hz breathing
- OSC & IOTA enclosure work
 - Work occurs during morning accesses
 - Cable terminations ongoing
 - Current needs met (see Kermit)
 - Steak Camera commissioning
 - KU Dark-Box upgrades

Run Plan for Next Week (May 24)

- Monday – Friday
 - Monday Morning CA?? (notify RunCo)
 - 1) IOTA OSC work
 - CA possible in the mornings (w/ RunCo approval)
 - 1) MI not down on Wednesday
 - 2) OSC diagnostics installation
 - 3) URSSE tweaking and calibration
 - Run beam in IOTA after noon (maybe all day):
 - 1) OSC running (also maybe running this weekend?)
 - 2) IOTA tuning for OSC optimization
 - 3) 150 commissioning?
 - 4) URSSE running opportunistically next week.