



FAST Facility / IOTA Machine Report

Daniel R. MacLean
AD Operations Meeting
Friday 0900
28 April 2023

FAST / IOTA

- Developed issue within the HLRF system for CC1 (see: [239052](#) & [239188](#))
 - Decline in klystron gun power noticeable over the past ~3 weeks or thereabouts
 - Increasingly difficult to tune the cavity & close-in RF feedback
 - RF Group (Ding, Rene, and Rick) were able to diagnose & fix the problem
 - Failing power tetrode [4CW800F] in klystron modulator - *replaced*
 - No actual downtime, cavity running well again
- IOTA150-NIO crew taking data consistently, CLARA continues to run shifts
- IOTA150-NIOLD crew reading-out preliminary signals from new stripline BPMs @ C-Left parasitically, during NIO shifts
- Training of new FAST Accelerator Operators continues, in preparation for denser shift schedule towards end of Run-4
- VIP tour Thursday [27-APR] – *thanks to Ops for facilitating and coming out to S&S quickly*
- CHip continues to condition CC2 during off-shifts & overnight
 - see: [239082](#)
- Today: running beam in IOTA for CLARA (*all day*)
- Schedule for next week currently in-flux; contact FAST RunCo (Jamie Santucci, x4996) w/any Access requests

