

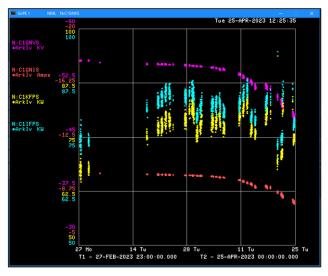


FAST Facility / IOTA Machine Report

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

FAST / IOTA

- Developed issue within the HLRF system for CC1 (see: <u>239052</u> & <u>239188</u>)
 - 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
 - o see: <u>239082</u>
- 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



🏞 Fermilab