



FAST Facility / IOTA

Status Report

Daniel R. MacLean
AD Operations Meeting
Friday 0900
6 January 2023

- **M4R (IBEND dipole) LCW leak:**
 - Located leak on Tuesday during a close inspection of the coil (see: [230933](#))
 - TD personnel have brazed the leak point (see: [231083](#)) – *hot work completed before noon Thursday*
 - Frank Rios (Water Group) & I restored LCW flow to the dipole: **no evidence of further leaking from the top coil observed**
 - Able to ramp IBEND up to nominal current; ran for >30 minutes w/o obvious issues
 - See: [231056](#) for full summary
- Many thanks to TD / Magnet Systems for their availability & efficiency
- RF Gun charging supply filter choke oil refilled; Gun is operational – *thank you @ EE Support*
- No LINAC studies / IOTA150 commissioning this week due primarily to M4R LCW leak
 - Ran beam in the LINAC to LEA on Wednesday
 - Test of bringing the Gun back online after extended downtime (see: [231020](#))
- **Top priority is to resume IOTA150 commissioning in order complete Nonlinear Optics studies**
 - No controlled accesses scheduled at this time