



## **FAST Facility / IOTA**

### **Status Report**

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AD Operations Meeting  
Friday 0900  
30 December 2022

# FAST / IOTA

- 30° IOTA bend dipole M4R has an apparent LCW leak from within its top coil
  - Discovered Tuesday during an access for an unrelated issue
  - Unclear exactly where leak is; need to locate to determine extent of disassembly required to repair
  - Seems to be coming from the coil itself, as opposed to the bulkhead where it is fed from the main LCW line
  - We have 1 spare 30° bend dipole at FAST but it has no coil...
  - See [230609](#) for more details
  - **Cannot circulate any beam in IOTA w/o all IBEND dipoles operational**
- Low filter choke oil for RF Gun charging supply (below trip-limit)
  - First occurred in October (see: [226012](#)) - *solved by heating oil locally, ordered replacement oil*
  - Oil has since arrived, need EE Support's help to fill next week (small xfer pump required)
- No requests for beam this week
  - Plan for next week is still completely tentative due to M4R LCW leak
  - Once gun is back online, can at least run beam in LINAC
- **Top priority is to troubleshoot M4R LCW leak as efficiently as possible**
  - There are no accesses scheduled or requested at this time

