

AM, AB, PMH, CW, JP, PG, PS,

MEMO report - none

Actions

Focus Coil

CW - report of short discussion with SW tis morning. SW, JB had productive meeting with Tesla.

Possible soft touch between MLI surrounding radiation shield and vacuum vessel.

Spectrometer Solenoids

SSU

- diode/dump trays have been modified and soak tested 70hrs at Daresbury, passed.
- AB contacted Powerex - 100C long term is OK

SSD

- failed lead on M1 coil
- failure of internal quench protection - M1 went to high voltage resulting in a breakdown
- location is not known, likely at feedthrough, either internal to external to cold mass.
- Coil itself is OK.
- Run step IV without M1
- M2 has been compromised at 1.5kOhm to ground.
 - Plan on how to fix,
 - US first meeting Wed morning US time.
- Concerned about pressure rise in SSD. Possibly may need to remove water from SSD, warm and pump.

Magnet Power Supplies

Need additional qps for M2 - no voltage tap on M2, so protection

from qps is less good

- 3 possible approaches being evaluated.
 - di/
 - dt, dcct
 - transformer on current. Derived from Cern system, Fermilab engineer working on prototype.
- TDK has 300Hz control loop, could be fast enough, might be able to detect through TDK voltage. AB and SP to make LCR measurement of circuit.
- Hardware from coupling coil is available, preparing to send to RAL.

No clear path forward, as cannot tell result of quench on M2

Need unmodified diode trays in SSD. Keep diode trays until next Thursday, 8/10/15

Re-built diode trays for SSU, possible to complete training and sign off.

Unknown instability into shorts – needs investigation

Note DL are preparing design note on magnet ‘crash’ button implementation for discussion, ready 1/10/15.

All parties to comment.

Agreed design needed in time for 16/10/15 start of installation.

RF Review

Held 9th/10th Sept. at Cosners.

Review committee considered that project needed additional RF resources. Technically the project was viewed well.

PRY drawings.

MIPO wiki page for this meeting has a link to a drawing from Jason Tarrant. JP comments he reviewed drawings with JT and considers JT drawings agree with JP model.

AOB