

CW, KL, JP, PG, AG, AB, PMH, MP,

Action JP completed

Action on JB, completed – presented at magnet readiness review.

Action on CW – weekend cover by DL – not possible alternate cover from DC.

Spectrometer solenoid update –PMH

- Noise on ECE in SSU and SSD
- Initial work performed on SSU. Noted associated ground fault trips – no quench.
- Thresholds now set at 100mV. 10-50x more sensitive than previously.
- ECE QD is bucked circuit – noise cancelling.
- Ground fault trips are caused by QD system trips
- Removed trim coils from circuit. – EC VT still noisy
- Not possible to run with 100mV threshold
- 18th July SSU ran 3hrs with 200mV threshold at 140A –
- 19th July SSD 200mV threshold – 140A, 4hr and counting..
- Draw wire sensors installed to magnets. 0.2mm movement.

Plan

Chose not to re-install Lakeshores this ISIS cycle as all experience to date is without Lakeshores.

Wed 20th July :

run SSU and SSD to 140A.

Tuesday 26th July :

SSD to 140A then FC to 50A, then SSU to 140A. and hold.

Action on CW to contact magnet group and ops. Complete 19th July

Action on CW to canvas support for 24hr running Tuesday magnet. Pierrick, Mike, Sandor, Josef, John Cobb, Tom Bradshaw. Requirement to be in control room. – complete 19th July

Verification of the QD system by injection of signals to measure frequency response of QD system delayed until after ISIS run. Propose measurement during MICE Hall water mods.

FC, no problems to report – good operation in solenoid mode to 90A.

Hall water

No problems to date - all that can be done at this point has been done.

Action on CW to check with John Govans re load testing before cryo compressors go on load.

Micenet reconfig. Agreed.

CM45 moved to Coseners. 29 participants signed up.

AOB

CW, KL - Expert cover for Pierrick Hanlet.

Noted PMH is now key for both spectrometer solenoid and C&M work.

Propose

- Mike Courthold to continue to develop expertise for spectrometer solenoid work.
- Roman Piplenko to write manual for QD system
- Ajit Kurup – C&M. CM45 will provide a forum to develop AK, PMH interface.