

## 2017-03-28-Tasks for Spring? 8th March 2016 to 2nd May 2017

### Hall

- Change over water solenoids for the SS diode absorber trays. **Water tank fitted – to connect.**
- Nikhef Hall probes Melissa/Ajit – **complete?**
- Tracker vacuum. **Ed stands**
- Tracker turbo pumps. **Craig, stands**
- Luminosity monitor sensor 3 **Craig/Ed - stands**
- Luminosity monitor sensor 1 **Craig/Ed - stands**
- Diffuser iris 4 - re-test with field on. **-Stands**
- 'Splash guard' for trench water system. **Stands**
- Tracker compressor change-over/testing. **Stands**

### Code Updates C&M

- Alarm handler/state machine. **Moved to static config – expected complete end week 13<sup>th</sup> March.**
- Network errors messages – **in progress**
  - Need to specify a port number for all CA repeaters - thus need to reboot all IOC-type machines. Need to find good time for micecserv reboot.
  - Possibly related to the Watchdog failure, which hasn't re-appeared

### Electrical

#### Spectrometer solenoids

- Commissioning of Change over water solenoids for the SS diode absorber trays- **T. Hartnett – complete, new tank installed, plumbing to be completed prior to re-test.**

#### Focus Coil

- FC Data logger GUI to be tested and verified – **ongoing**: have access to the QPS data itself; have a plug-in to get this Labview data into Excel, but need to understand the channel mapping
- PT100's on FC in R9 to be fitted – **ongoing - sensors will be glued leave til summer**
- FC power supply failure – **repair with Sorensen**

#### Hydrogen System

- ~~Cryo-cooler for LH2 system moved from Vacuum control station 9 rack to H2 control room information to the control system is not available in new location, request to resolve.~~ **P. Hanlet to prove. Will be restricted to LH2 Control System**
- ~~Hydrogen level sensing commissioning – P. Warburton to advise~~ is on the dedicated LH2 workplan

#### Drawings and records

- Check off power distribution records – **J. Webb, A. Gallagher ???**
- Records of testing to be made available - **A. Gallagher ???**
- Update all Mice drawings and issue to Mice Wiki page in PDF format – **J. Webb, I. Mullacrane to advise ???**

### MICE Hall

- 24V supply for draw wire strain gauge required. **Installation complete, commissioning and testing to be completed in hall. – A. Gallagher, J. Webb**
- Magnet Interlock alarm is inoperative investigation required – **DL engineer ???**

#### Preventative maintenance

- Spectrometer solenoid Backup Helium Valve: Relay required to repeat valve state to the control system as status of valve is only known local to the valve. - **I. Mullacrane**
- Cable/Software check needed to prove which magnet Cold-heads are connected to which Cryo-compressors and that GUI has the correct compressor RS232 communications associated with the correct Cold-heads. - **I. Mullacrane, J. Webb**
- Review of FC cable numbers. - **J. Webb** Link box labelling has been cleaned up
- Fit plinth to EMR rack. – **A. Gallagher**
- Temperature instrumentation upgrade for Decay Solenoid – **I. Mullacrane**
- RR2 to be updated in HevaComp – **DL engineer**
- Main 5<sup>th</sup> AC unit adjacent to mice substation reinstated, drawings require mods to show location and feeder details - **J. Webb**
- Stability Run for FC and Spectrometer Solenoid magnets – **T. Hartnett, S. Griffiths ???**

#### Detectors

- \* New Target control PC (RR1) – in progress
- \* Restart R78 target test facility and test T2 – in progress