

The aim is to

- remove FC2 from the beam line
- repair the leaks in the FC2 H2 system off line either in the MICE hall or in R9
- install the LiH2 pancake into FC1, everything is in place for this
- install FC1 into the beamline to allow experiments with LiH2
- if needed one could even cool down FC1 and run the field to about 180A, more is not possible with this magnet it seems
- once FC2 is fixed with the H2 leaks one would swap it back into the beamline again; this would probably possible during the summer

The direct steps for the swap:

- If given the go-ahead after today's MIPO John could start with the preparation for removal this week. The H2 system would be filled with helium, the vacuum space with air. We need to get clarification about the vacuum in the spectrometer bore (trackers).
- The PRY would be opened before Xmas
- Beginning of January we would remove FC2 from beamline and this would be completed by Jan 11
- John would have to arrange for riggers to move FC1 to the MICE hall, hence an early decision about the swap would be helpful
- With all connections to be made the coil would be in the beamline by end of January
- The PRY could be closed by mid February if this is needed.

Any time delay after today's MIPO would simply translate into an equivalent delay in January.

There is a water chiller in R9 which could be used to keep FC2 cold or to cool it down when needed. More importantly, we would use the chiller to activate the cold head for the H2 system in order to fix it. Some preparations will have to be made to operate the H2 system outside the beamline and cool it down (need vacuum in bore).