

Outline of events for the 3rd Feb. 2014 Monday evening shift.

Preparation

Henry/whoever please add your thoughts here. ;-)

We will need the PPS to provide at least a Muon Test permit, and ensure no-one is in the MICE Hall. Fencing, signage, and Search & Secure – 1 hr

Target

- 1) Work through the target check list and get the target operational with the target frame raised. – 30 mins
- 2) Check that the target's insertion aligns with the correct ISIS spill. The target will be operating at the double dip rate. – 10 mins
- 3) Stop operating the target and lower the target frame. Ensure that the target insertion depth is small. (Large BCD) – 10 mins
- 4) With the beam bump on steadily increase the insertion depth (reduce BCD) until we obtain the required 4 V beamloss. – 1 to 2 hours depending?

The aim here is to ascertain whether we/ISIS observe any scraping of the ISIS beam during insertion or on the next injection cycle. If there is any evidence of beam scraping then this needs to be mitigated by either altering the target's parameters or by suitable adjustment of the beam bump. This step will require close cooperation with the ISIS expert.

The target parameters that could be altered are the timing of the target's insertion and possibly its operating voltage.

- 5) Once we have a stable configuration for running at the double rate then we can run for twenty minutes to half an hour to obtain some operational data. – 30 mins

Estimated Time ~2.5 -3.5 hours for Target related activity but no doubt there will be some time for preparation as well.