Morning:

- Injecting again beam 1 and beam 2
- Lost B2 at injection: It looks like losses at the TCDI's seen at the Q7
- Switch to inject and dump for beam 2 for investigation TI 8 Trajectory: seems that we may have accumulated some drift over the past weeks which could mean the beam axis is now closer to the TCDI jaws at the downstream end, so we are probably much more sensitive now to small changes in trajectory or beam size/tails.

To be done: revisit the TL trajectories and steering in the near future, to try to avoid these problems of losses on TCDIs.

Collimator checks: opened TCDIH.87904

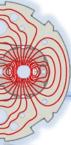
→Losses a factor 10 lower with TCDIH.87904 opened

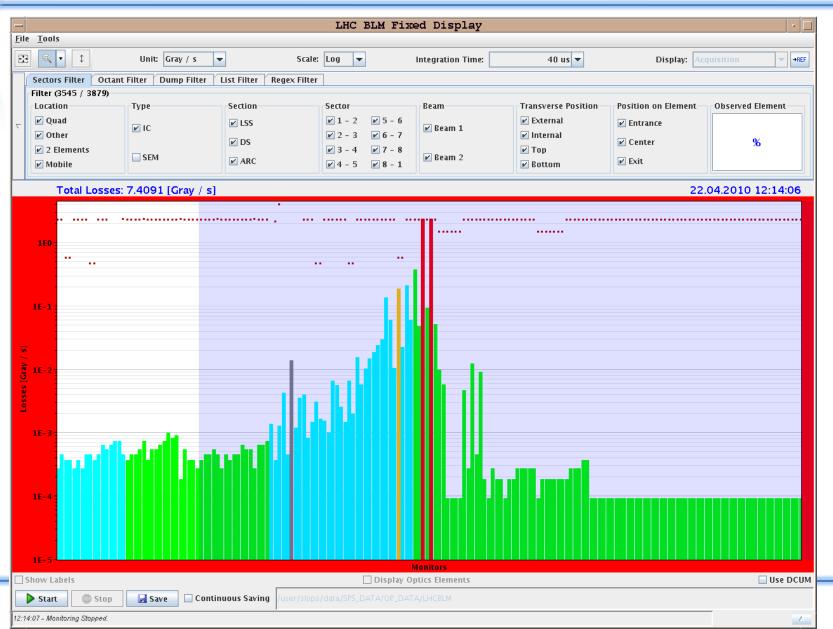
TCDIH.87904 set now to +/- 5 mm around the beam-based centre: no more losses close to threshold now

Left TCDIH.87904 at new setting - still factor x10 lower. We can fill like this but this collimator and TL steering needs to be revisited for several hours before any higher intensity checks.

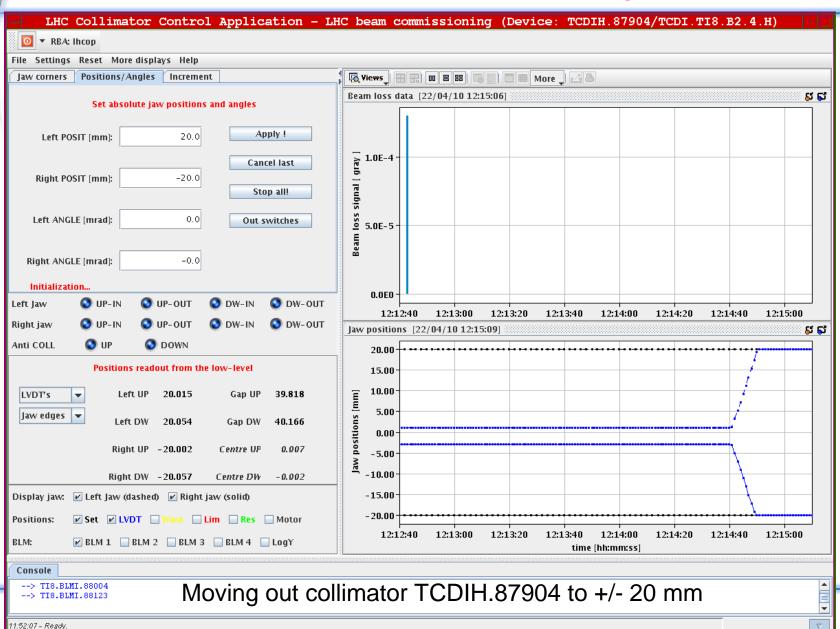




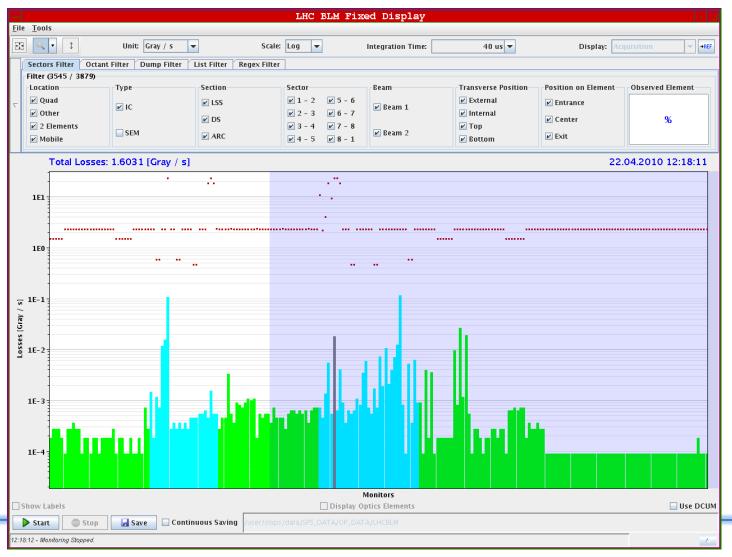




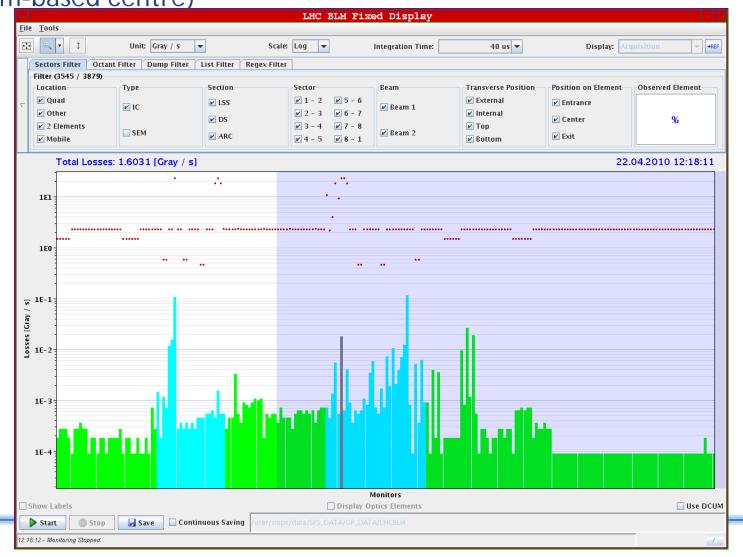




Losses a factor 10 lower with TCDIH.87904 opened



Losses with TCDIH.87904 at new settings (+/- 5 mm around the beam-based centre)





- Injecting Ramping All fine
- Squeezing: Beams almost completely lost: tunes crossed resonances at the end as a result of incorporation of the last tune trims of yesterday, which were done for loss maps and not rolled back
 - Squeeze done without any prb: cut the squeeze stops by a factor 2
 - Got a loss maps
- With what was left in the machine: De-bunched Dumped beam with operator switch - Analysis of PM data on-going to check losses on the dump protection elements











18:00 - 22:00 Transverse Damper commissioning

22:00 - 09:00 Qualification of 3.5 TeV squeezed optics for protection. 1e10/beam. 2 squeeze needed.