



Thursday 17 June

- 10:00 Ready for collimation setting-up at $\beta^*=3.5$ m. Beam 1 dumped due to bad manipulation when moving collimators for setting-up
 - 11:25 Beam 2 was dumped due to trip of RSD2.A56B1 → QPS trip but not understood
 - 13:30 - 14:30: Access in UA45 to fix a field bus communication problem → QPS not OK (not possible to ramp). Profited to fix problem with AC-dipole for beta beating measurements
 - 14:30 - 17:00: Painful recovering from access
 - Beam imminent warning siren. ONCE MORE!!! Contacted S. Grau for explanations
 - TCLA.6L3B2 collimator interlock. Problem with LVDT
 - Finally injecting but..
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- 18:00 EPC requesting to replace controls card for the ALICE dipole in order to avoid additional trips. Arrghh...
 - 19:00 injecting again
 - 22:30 finally squeezed at 3.5 m. Start TCT setting up of TCTs with separated beams
 - 05:00 trip of Sector 81 QPS (B21R8)
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Thursday 17 to Friday 18 June

Summary of Collimation setup (Stefano Redaelli, Daniel Wollmann)

Performed activities:

- Setup all 16 TCTs at $\beta^*=3.5\text{m}$ to 15 nominal sigma (separation on, no crossing angle)
 - Adjusted TCDQs and set them to nominal settings
 - Loaded all collimator settings (including ramp functions), which were found during the last days of collimation setup. This is the nominal configuration for the stable beams.
 - Measured one complete set of loss maps (B1, B2 hor and ver, RF=+1000Hz with both beams in parallel)
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Results :

- Setup for 3.5TeV, high intensity, squeezed with separation on finished.
 - Loss maps show correct hierarchy for the collimation system and no bad surprises or unexpected losses in the cold aperture (preliminary results - to be analysed in detail).
 - Imported new ramp functions for the whole collimation (except the TCDQ that was only aligned tonight - functions to be generated tomorrow). To be done: try a ramp with these new functions.
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Issues:

- At 3.5 TeV, lost the QPS-OK on RB.A67 because of a quench heater discharging- came back by itself
 - Sector 81: QPS noisy card → threshold to be increased while waiting for replacement
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Next :

- We will set-up the machine with crossing angles of $\pm 100 \mu\text{rad}$ at IP1 and IP5.

NO MORE 17:00 meetings

DAILY 8:30 meetings (9:00 on week ends)
