

ELENA beam commissioning status

- Commissioning of transfer lines
 - Results for LNE50 measurements (by ABT) used to rematch for Gbar
 - Measurements on-going in LNE00 and improved profile monitors data quality
- Again study of effect of magnetic system of e-cooler on circulating beam
 - Nominal currents reached for magnetic system of e-cooler (no e-beam yet)
 - Compensation solenoids used to compensate coupling
 - Working point compensation to be refined
- Further test on calibration of magnetic pick-ups
 - Similar shapes of calibration pulse for both transfer lines pick-ups
- Automatic injection oscillation correction: first promising results
- Test of timing system
 - To validate new implementation proposal of timing team for precise triggers to experiments up to 1 ms before bunch arrival
- Low Level RF system
 - Cavity servo loop operational now as well for harmonics >1 (mainly $h=4$)
 - An issue now with synchro loop
- Various studies on ring:
 - Orbit (with shot-to-shot variations at some occasions), working point, coupling, chromaticity

- Intervention on the Btrain:
 - Erratic shot-to-shot fluctuations
 - Again noise on low field marker identified as cause, solved by commuting back from sapre to operational B-train
 - Message to operations: B-train calibration user (zero cycle) should be inserted from time to time

- Source
 - Dongle (interlock connector) excahnge again

- Ion switch:
 - Trip again on thursday evening, intervention on Friday
 - Investigation on-going on the root causes
 - Problem: **running out of spare** pulsed PC, the available spare cannot be pulsed, so no extraction in LNE00 possible

=> more news later this morning