

# **ELENA beam commissioning status**

- Problem with ion switch power supply:
  - Couple of events last week on the PC, running out of spare
  - Suspicion of insufficient protection against sparking
  - Switch to FUG power supply (not pulsed) to restore beam operation and extraction to LNE50
  - 2 spares now available (last one at CERN) and 3 modules send back for repair and upgrades to constructor
  - Ion switch reconditioning before reinstallation of the spare (today) to limit the risk of sparking and restore extraction to LNE0)
- A lot of work on cycles extracted to Gbar:
  - Switched to h=4 cycle for shorter bunch length
  - Different set of optics provided by ABT to minimize beam sizes

- Many ring studies going-on in parallel
  - E-cooler mag system
  - Chroma/coupling
  - LLRF
  - ...

