ELENA commissioning committee 15/3/2018

Organisation 2018

Commissioning plan

Ion source status

Electron cooler status

Tommy

Tommy

Bertrand

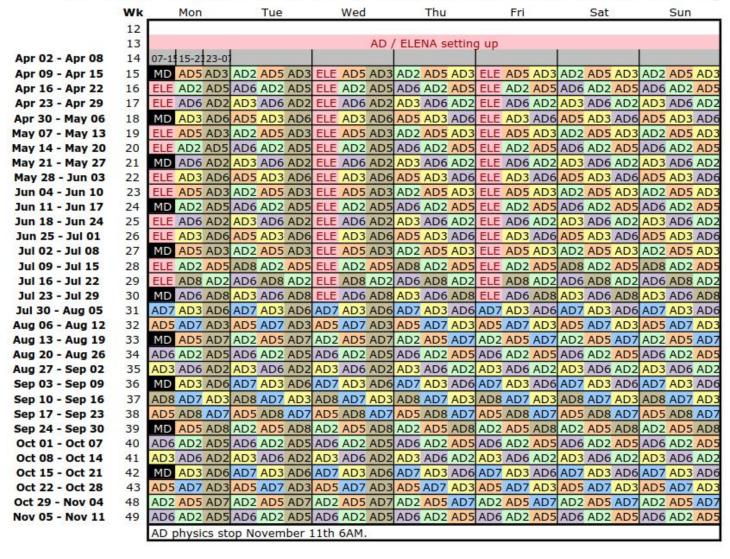
Lars/Gerard

AOB

Organisation 2018

- Key dates:
 - Commissioning start 5/4 with lons and 23/4 with Pbars
 - 3 Pbar morning shifts/week planned from 23/4 until 27/7
 - Ions to Gbar end April
 - First Pbars to Gbar presently planned for 30/7
 - => also means ELENA Pbar commissioning should be ~completed 27/7
 - If needed, continued Pbar commissioning during Gbar shifts
- Day shifts Mon Fri
- ECC meetings every second week
- Monday 10:00 briefings in ACR

AD Schedule 2018 (Version 0.2 Jan. 15th, 2018)



Injector MD (8:00-18:00) every Wednesday

ELENA commissioning plan

- E-cooler commissioning dictates the initial planning:
 - Establish Pbar and Ion beams
 - Schottky analysis with FFT analyser, LPU status? (BPM based system)
 - With Pbars and lons:
 - Measure orbit (+tunes) effects with main solenoid ON (in steps)
 - Set-up compensating solenoids; orbit deformation, tunes/coupling, further optics verifications?
 - Establish electron beam, can be done in parallel with circulating beam
 - Establish cooling (need pause on plateau)
- Main other activities:
 - Continue diagnostics set-up: BBQ, scraper based profiles, LPU/Schottky system etc.
 - Gbar exctraction
 - Set-up/optimise deceleration cycle => efficiency, final emittances/lifetime
 - Optics validation