

AD/ELENA news

Agenda:

- News from the FOM
- MD time request
- Preparation of the TS



News from the FOM



AD status:

- Repair of the BHZ-TRIM on-going

Machine developments planning:

- Wed 4/05 dedicated MD in LINAC 4 (8h→ 18h): no beam for AD physics
- Mon 16/05: low intensity run in PS for TS preparation: no beam for AD (we will try to negotiate for AD!)

- As last year, AD-OP team would like to request 8h eam time dedicated for AD and ELENA machine development:
 - To allow improving performance without impacting too much physics time
 - Proposed time slots:
 - Wednesday 8h-18h
 - Is there some time slots when (some) grids in the transfer lines are OK to allow emittance studies in parallel of your activities?

- Users request for improvement:
 - Bunch length (Gbar)

- Provisional planning:
 - 4/05: no AD beam in injectors
 - 11/05: study of 100 MeV/c plateau in AD
 - 18/05: reference measurement on stochastic cooling at 3.5 GeV/c plateau
 - AD in pause at top energy

- Technical stop in injectors on 17/05 8h→18h:
 - 24hours cool-down pre-requisite for access in the PS:
 - **AD beam stopped on Monday 16/05 at 8h**
- Planned intervention in AD:
 - Intervention on BCCCA, partial warm-up and re-cooling:
 - No intensity measurement for 36 hours
 - Request of STI to exchange the AD target:
 - Target reconditioning after the intervention:
 - 3 hours with lower intensity at the end of the TS
 - Is it OK for you?