

Accelerator Complex Status

End week 4 (Sunday 25 January 2015)

TI (Jesper Nielsen)

Short summary from TI in the usual place:

<https://wikis/display/TIOP/2015/01/19/TI+summary+week+4+2015?src=contextnav>

- Tuesday the lift in PM54 had series of breakdowns which went on for a few days. Emergency procedure for passing through PM56 was put in place.
- On Wednesday the lift in PZ33 was out of service due to a water leak. The firemen were on-site but no leak was found. It was discovered the day after that the "leak" was in fact the chain of the counterweight that brought up water from the sump underneath the lift. The sump was pumped and everything put back in service.

LINAC3 (Detlef Kuchler):

Linac3 handed over the argon beam on Wednesday to LEIR.

LEIR (Jerome Axensalva):

LEIR restarted last week, by Wednesday the beam was injected in the machine, Thursday the RF was restarted but the cfv-363-all1 crate was more unstable than before the TechStop (FESA services kept dropping in fault after a few minutes) ! Thanks to Maria-Elena who spent some time troubleshooting, we finally managed to accelerate the beam by Thursday end of the afternoon and thus the beam was available Friday to the PS. During this week-end there was a small Linac3 shortage by Saturday evening but restart was possible and the beam was back. So that the PS teams could continue working on the ion beam. A service monitoring has been put in place on cfv-363-all1 but since Maria-Elena rechecked and re-plugged all the crate's cables on the back pane, it seems stable!?

LINAC2 (Detlef Kuchler):

They continued the setting up and source conditioning. Since Thursday the beam is going down to the dump.

PSB (Klaus Hanke):

The PSB is still in technical stop, but shifts are planned for a earlier start to allow sufficient time for the beam based realignment. Today the power converters will be 'deconge'. The start of shift work has been advanced from 09/02 to 02/02.

ISOLDE Q:

Still in YETS activities

PS (Rende Steerenberg):

PS took the first ions actually on Thursday evening and continued setting up on Friday. Over the weekend a few MD cycle with ions were prepared for MTE related measurements. Today if all goes well beam will be delivered to SPS, which would mean about 1 week ahead of schedule.

AD Q:

Still in YETS activities.

SPS (OP team):

All system have been restarted last week and in principle they are ready to receive ions for setting up. The DSO test for the North Area interlock is planned.

LHC (Mike Lamont):

Powering test continue in sectors 1-2, 5-6, 6-7 and 8-1

Dipole testing is planned for this week in sectors 5-6 and 8-1

Work was advancing well in sector 2-3, but a short circuit in a quench heater circuit was found. Investigations and testing will set back the planning with at least 3 to 4 days, which would still allow for sector tests as foreseen.

A new machine planning is under preparation and will be presented at the LMC on Wednesday.