Accelerator Complex Status

End week 11 (Sunday 15 March 2015)

TI (Peter Sollander)
No major problems last week.
Short summary from TI in the usual place:
https://wikis/display/TIOP/2015/03/16/TI+summary+week+11+2015?src=contextnav

LINAC3 (Giulia Bellodi):
It was a very good week, without major problems to report.

LEIR (Jerome Axensalva):
It has been a quiet week for LEIR. On Tuesday night the extracted intensity has been fluctuating. This has been cured by changing the composition of the supercycle.
On Friday morning, a well-known, occasional loss towards the end of the cycle has appeared. This was previously linked to the performance of the transverse feedback and was cured by changing it gain to -13 dB attenuation.
On Friday night there was no beam in LEIR for ~ 1 hour owing to a Linac3 problem, which was promptly solved.

LINAC2 (Giulia Bellodi):
It was a very good week, without major problems to report.

PSB (Alan Findlay):
A good week for our wee machines with no serious problems to report, which makes us happy. The week was spent continuing the setting up of the ISOLDE beam, and slow progress was made. We now easily have 3.2E13 available from the 4 rings, with them all having very similar performance. We can push this to 3.4E13 presently, but would like a little further margin so continue to seek improvement. The Linac current is still a little weak after the cathode change (we saw ~140mA at the end of the week) , so we're hopeful this will also give us a boost as it climbs. Otherwise plenty of work to keep the beams within spec.

ISOLDE ():
Still in YETS activities.

PS (Gabriel Metral):
Rather smooth running for the PS
Suite des settings Up des faisceaux.
Faisceau MD2 (type LHC25ns 72bunch) dispo pour le SPS.
Problème de communication avec alim basse énergie partiellement solutionne.
Amélioration de l'injection des faisceau PS grâce a un nouvel outil utilise pour fermer le Bump 42.

AD ():
Still in YETS activities.

SPS (Karel Cornelis):
SPS had a pretty good week. After the LHC sector test, last weekend, the only users of the SPS were the north area experiments, taking Ar-ions. The energy of the Ar beam was changed on Tuesday from 42.2 ZGeV (proton equivalent) to 66.6 ZGeV (proton equivalent), which is the fourth energy, out of six, programmed for NA61. The change over went smooth and on Tuesday evening the beam was ready for data taking by NA61. The only problem occurred in the beginning of the week, when the SPS was off for about 4 hours on Monday, due to problems with the MPS.
Protons were taken from time to time on the pilot cycle, in order to check some minor problems that were revealed during the sector test, such as phase oscillations detected by the BQM at extraction.

LHC (From the 8:30 meeting):
Getting closer to the end of the HW commissioning and tests.
Sector 7-8 was trained last weekend and training in sector 4-5 continued. However, the latter is going very slowly and the last quench was even 5A lower than the previous one. There is however a genuine earth fault detected in sector 3-4 that is being instrumented and investigated in detail.
This morning the last massive access campaign is foreseen and closure of the LHC including experiment is planned for the end of this week. CMS was on the critical path for this and they started pumping last Saturday and foresee start closing today or Tuesday.