

MEF report 26/1/09

LHC shutdown:

1. Stand alone consolidation (increase of capillary): problem of welding, apparently solved thanks to Atelier principal
2. Compensatory measurements to place collimators at IR3 and IR7: studies in progress.
3. Jacks reinforcements : studies in progress - lot's of constraints (between the specification and the space reserved for SU ..)
4. Access: problem of point 3 (Altead broke the outside "portail"). A. Foreste will fix it this week. During the mean time a guard will keep access during the day (nevertheless, last week the guard closed the portail while cars, and thus workes were still inside !!! reported to Ducatsel) All will be paid by Altead
5. Sector 45: QRL and stand alone will be warmed for middle of this week (in advance), which will allow the electricians to start. earlier than foresaw!!

PSB shutdown:

1. New power convertors for H & V ring dipole correctors
2. Various Cabling activities
3. BTP re-alignment

PS shutdown:

1. Refurbishment of the remaining 9 PS magnets. This is the end of the program of 51 magnets refurbished and 4 spares.
2. The last magnet MU23 (which needs a new vacuum chamber) should be reinstalled on 30/Jan/2009. Due to problems re-fitting the original vacuum chamber in MU23, it has been decided to prepare a new chamber. A much appreciated spontaneous response from the Central Workshops has avoided any delay to the shutdown schedule.
3. Repair and calibration of the 4 PS flying wire scanners.
4. Re-installation of the special flat figure of eight windings in MU25 to permit the ion injection chamber to be installed. This allows the re-connection of the LEIR to PS injection line, which was disconnected after the urgent exchange of MU25 in the summer 2008.
5. First quadrupole in the extraction 16 TT2 line QFO105 has been replaced with its spare which is equipped with a new straight vacuum chamber.
6. Conformity modifications, hydraulic, electric and security to both radiation shielding doors 128 and 129. Door 128 completed and door 129 on going.
7. Power re-cabling program of all power supplies in building 365 including some circuits in the PS tunnel. This is on going and no delays expected. The circuits concerned are: QSE, BSW23, BSW31, QKE16, Triplets, Doublets, BSW57, XSE, QKE16CT25, QKE16CT73, and ODE.
8. The SMH16 and SMH26 power supplies have been moved from building 367 to 359. This requires significant re-cabling and is on going.

9. Repairs to PS tunnel cooling and ventilation units will mean that all CV stations will be operational.
10. TT2 Kicker DFA242 installation of new coils, completed and awaiting vacuum tests.

SPS shutdown:

Schedule is tight but just OK

1. Repair of 90 dipole manifolds (sectors 1, 2, 3 and 4), ending off the renovation project this year (Lintott magnets). Major problems with transport equipment, but well managed. OK today;
2. Replacement of 8 dipole magnets + max. 3 other ones for SEY project (graphite coating) if ready on time (deadline is 11/3);
3. Irradiated cable replacement campaign at BA2/LSS2-. Works fine;
4. Installation of Crystal project in LSS5;
5. LSS1 : MKDV1 (11731) was changed in week 3;
6. LSS6 : 2 MKE (61634 & 61637) to be changed on week 6;
7. LSS6 : 2 MSE (61857 & 61872) to be changed on week 6 as well (leak detected);
8. 4 new BPM's installed at the bottom of TI8;
9. Power transformer oil treatment campaign at all BA's;
10. Plus all usual inspections, maintenances, cleaning, settings, tests, ...