Minutes of the 7th FOM meeting held on 02.03.2010

Agenda:

1) Follow-up of the last meeting (K. Hanke)
2) Status of the machines (Supervisors)
3) Schedule (K. Hanke)
4) Special topics: activities for the next technical stop (superintendents)
5) AOB
6) Next agenda

1. Follow-up of the last meeting

The minutes of the 6th FOM meeting were approved.

Follow-ups from the last FOM:

a) The technical stop of the 22, 23 March has been confirmed, even if reduced by one day with respect to the original plan. The colleagues should send the different activities to the machines superintendents (list available here). J. Ridewood is replacing N. Gilbert for the SPS-related activities.

2. Status of the machines

Linac2 (M. O'NEIL):
The Linac2 run was without any problems, apart a front-end (DLINTRAF) that was tripping quite often. After numerous re-boots, the controls piquet changed the CPU board. This intervention solved the problem. In total, 3 hours were lost due to this.

PSB (G. RUMOLO):
The PSB had a good week.
The LHC50 beam has been sent to the PS. The preparation of the LHC25 and the CNGS started.

The foreseen tests of the BTY magnets had to be postponed. New covers will be installed to properly assure the safety when pulsing the magnets. The tests will take place in two weeks time. The vertical bend at the beginning of BTY will remain consigned to avoid sending beam to ISOLDE.

The transformers of BT-BTP have been calibrated.

A difference between the CCV and the AQN values of the extraction kickers could be reduced.

The energy matching between the PSB and the PS has been done for the LHCINDIV users, and the settings will be copied on the other users.

K. Cornelis asked if the LHC50 is ready to be sent to the SPS. K. Hanke answered in the positive.

PS (A. GRUDIEV):
The PS had a good week.
The missing transformer acquisition on the VISTAR was due to a broken connector on an electronic chassis. L. Soby mentioned that the connector was probably broken during the work ongoing in the MCR to finish the cleaning after the Xmas flood. K. Hanke will follow this up.

The transverse damper was tripping quite often during the tune measurements. The strength of the damper had to be reduced from 30% of the maximum to 10%. The issue will be follow-up with the specialist.
A problem with the TREV distribution was related to a broken ventilator module on an electronic chassis.
The tomoscope had to be re-booted few times. The problem was solved by CO.

The LHC single bunch beams are ready and have been sent to the SPS.

The LHC50 is in preparation but can already be sent to the SPS. The SPS needs the beam for the setting up of the transverse damper.

SPS (K. CORNELIS):
The SPS sent the LHCPROBE to the LHC during the entire weekend.
The transverse damper setting up will be done on a 26 GeV/c flat cycle using the LHC50.
The LHCPROBE and LHCINDIV are taken regularly to monitor the beam quality.

CTF3 (D. MANGLUNKI):
Concerning the problem with the gun mentioned at the last FOM, the cathode had to be changed twice as the first spare only worked for a few minutes. This is quite worrying since a new provider has produced it. An old one was installed and is still working.
Concerning CR+DL: during the patrol on Friday a leak was found on a firemen water hose. The required SIG intervention took place, unfortunately, on a wrong pipe over the week-end. A new SIG intervention took place during the FOM. The patrol has been re-scheduled for immediately after FOM.
Concerning PHIN: all is working correctly in spite of a few RF problems. 2.3 nC (nominal) have been produced, with up to 1000 ns pulse length. The plan is to measure the beam charge with respect to the laser energy.
CTF3 will keep running during tech stop on the 22-23 March. K. Hanke reminded everyone that the relevant services should no be interrupted during this period for CTF3.

A. Bland mentioned that the planned ORACLE database might interfere with the CTF3 operation.

TI (J. NIELSEN):
No problems to report.

The change of the GSM servers started. The new webpiquet application is now available.

LHC interface with injectors (M. MEDDAHI):
The beam is expected to be re-injected on Tuesday afternoon. The LHC is requiring the LHCPROBE until the end of the week. The LHCINDIV will be taken next week.
The program of the week will concentrated at 450 GeV/c, with both beam injection. The goal is to obtain as soon as possible stable beam.

3. Schedule / Supercycle / MD planning

The 2010 schedule (V1.3) is available at:

https://espace.cern.ch/be-dep/BEDepartmentalDocuments/BE/2010-injector-schedule_v1.3.pdf

The LHC will take the LHCPROBE beam.

The technical stop of the 22-23 March will start at 8:00 the 22 March with the interventions finishing the 23 March at 18:00. The machine restart will be done immediately afterwards to be ready to provide beam to the LHC by the 24 March at 9:00.
The high intensity beams (MTE-CNGS setting up) will stop on Friday 19 March at 18:00 to allow the radiation cool down of the machines. During the weekend, only the LHCPROBE and the LHCINDIV will be allowed in the injectors.

All planned interventions are available via the on-line agenda

https://espace.cern.ch/be-dep/FOM/Lists/Agenda/calendar.aspx.

4. Special topics: activities for the next technical stop

R. Brown presented the list of the activities during the technical stop of the 22-23 March for the Linac2-PSB-PS. The detailed list is available here. All the activities can be concluded in the two days. The list of the colleagues intervening in the tunnel will be sent by R. Brown to OP.

V. Chohan asked how much time would be required to displace the magnets in case the PS re-alignment for the orbit correction will be required. S. Gilardoni replied that typically this take half a day.

V. Chohan presented the list of the activities for the SPS, available here.
The CV activities will suffer from the reduced time available for the technical stop. None of the activities, however, is too urgent.

M. Meddahi added that the interventions for HIRADMAT will suffer for the reduced duration of the technical stop. The list of the activities will be revised according to the new planning.

K. Hanke added that the 48h duration is dictated by the urgency to have the LHC back as soon as possible.

5. AOB

6. Next meeting

The next meeting will be held on Tuesday, 9 March at 10:00 in 874-1-011.

Preliminary Agenda:

1) Follow-up of the last meeting
2) Status of the machines
3) Schedule
4) Special topics:
    a) responsibility definition during shutdown and technical stops (S. Baird)
    b) update on next technical stop (Machine superintendents)
    c) CTF3 fire (D. Manglunki)
5) AOB
6) Next agenda

Minutes edited by S. Gilardoni