Minutes of the 2nd FOM meeting held on 08.02.2011

Agenda:

1) Follow-up of the last meeting (K. Hanke)
2) Status of the machines (Supervisors)
3) Schedule (K. Hanke)
4) AOB
5) Next agenda

1. Follow-up of the last meeting

The minutes of the 1st FOM meeting were approved.

Follow-up from the last FOM:

a) Status of the PS B-field fluctuations.
New tests will be done as soon as the POPS commissioning will be completed.

2. Status of the machines

LINAC2 (R. SCRIVENS, mail):

PSB (K. HANKE):
The beam permit was signed on Tuesday morning. The machine is ready to take beam as expected by Wednesday. The first beam produced will be a low intensity SFTPRO (200e10) that should be delivered to the SPS as soon as possible for the beam-based alignment.
After that, the LHCPROBE and LHCINDIV will be prepared followed by the LHC75 single batch. Then the MTE beam will be prepared for the setting-up in the PS.

M. Ludwig asked which version of the watchdog is currently in use. K. Hanke replied that it is the new SIS one. M. Ludwig will contact R. Scrivens to decide when the old one can be eradicated. In the meanwhile, the two will run in parallel.
M. Ludwig reported also a problem related to the compilation of some libraries for the ADC used by BI equipments. These libraries were recompiled for OASIS but this generated an incompatibility with some of the instruments. The problem was solved but more attention should be taken in the future.

ISOLDE USERS (M. KOWALSKA):
The users requests were collected. The number of requested shifts exceeded the available ones by a very large amount.

PS (R. STEERENBERG):
The PS activities were concentrated on two subjects: the POPS commissioning and the cold checkout. The POPS commissioning has been progressing very well, with the machine powered with POPS local control up to 27 GeV/c. After that, the FGC

control was put in operation, with some SW debugging plus the adaptation of the new control application. The B-field regulation was put in service, with the goal of validating the new magnetic cycles. This will be done by comparing the cycles with respect to the ones of 2010. The plan foresees the start-up with POPS, with the rotating machine as a fall-back solution.
The cold checkout progressed without any particular problem, except for the 80 MHz cavity in SS08.
C. Rossi presented the problem found for the 80 MHz cavity (see slides here). The cavity suffered as the others from the damaged mechanical tuner. The tuner could be repaired but on Monday it was found that a small water leak had corroded the circuit used to polarise the RF feed. The final repair would require opening of the vacuum, which is not possible considered the short time available before the start-up. Some of the external parts will be exchanged as a temporary fix, and eventually the final repair could take place during the three-day long technical stop in March.
The other 80 MHz cavities are ready for operation.
J. Hansen asked if the broken RF contacts of the tuners were found in the primary vacuum. C. Rossi replied in the negative. C. Rossi added that the technical stop was too short, and the problem could be identified only at the very end.

S. Gilardoni added that the MTE start-up will be done by trying to extract the islands using also the elements of the CT extraction. This should help reducing the losses on the SMH16.

V. Chohan asked why the machine was pulsed at 27 GeV/c. R. Steerenberg replied that it was only to push beyond the operational needs POPS during the tests.

SPS (D. MANGLUNKI):
The SPS was almost ready.
The power supplies of the mains B, QF, QD were tested and are operational. The QS dry transformer needed still work to be done
A water leak was found on MKP, but an intervention to repair it was foreseen after the FOM.
The DSO tests will take place after the FOM.
The hope is to be able to take the beam before the weekend to start some tests of the RF. The PS should deliver for the start up an SFTPRO with 2E12 ppp with a fast extraction for the alignment.

CTF3 (D. MANGLUKI):
A problem with the gun power supply could be solved.
The spare septum was installed in the combiner ring since the water circuit of the old one was corroded. This caused the development of a leak earth current.
J. Borburgh mentioned that spare parts of the septum were used for the repair.

Conditioning of the modulator started in the linac. The same operation will follow in the CR as soon as septum will be ready. The modulator #13 still needs work.
The beam-permit was signed for all zones. Beam is expected before the end of the week.

TI (J. NIELSEN):
Nothing to report.

LHC interface with injectors (M. LAMONT):
The magnets were tested in 5 sectors, with the cryogenics available since the beginning of the week.
The DSO tests will take place during the weekend.
The beam is expected for the 21 February, but if possible it could be taken already during the weekend.
The first beam will be the LHCPROBE.

3. Schedule / Supercycle / MD planning

The 2011 schedule (V1.2) is available at:
https://espace.cern.ch/be-dep/BEDepartmentalDocuments/BE/2011-injector-schedule_v1.2.pdf

A more detailed start-up schedule can be found here.
The piquet services should be available starting from the 7/2 on the usual 24 h/24 h basis. In the meanwhile, the experts or the piquets available during working hours should be contacted.

All planned interventions for the injector complex are available via the on-line agenda:
https://espace.cern.ch/be-dep/FOM/Lists/Agenda/calendar.aspx.

4. AOB

5. Next meeting

The next meeting will be held on Tuesday, 15 February at 10:00 in 874-1-011.

Preliminary Agenda:

1) Follow-up of the last meeting
2) Status of the machines
3) Schedule
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Minutes edited by S. Gilardoni