Minutes of the 1st FOM meeting (2011) held on 25.01.2011

Agenda:

1) Follow-up of the last meeting (K. Hanke)
2) Status of the machines (Superintendents)
3) Schedule (K. Hanke)
4) Special topics: POPS commissioning (J.-P. Burnet)
5) AOB
6) Next agenda

1. Follow-up of the last meeting

The minutes of the last 2010 FOM meeting were approved.

Open actions from last FOM:

a) PS B-field fluctuations. R. Steerenberg reported that a second B-field marker will be installed soon to cross check the measurements of the peaking-strip. S. Gilardoni added that a new measurement campaign will be done as soon as POPS will be operational to compare the B-field oscillation with respect to the rotating machine.

b) LEIR Vistar: S. Pasinelli is writing the specification for the new VISTAR that should become operational by the summer 2011.

c) INCA status: R. Steerenberg reported that a new deployment is foreseen for the current week. Some minor bugs are expected to appear during the cold check-out of the machine. The status of INCA will be regularly reported during the next FOMs. Concerning the status of INCA for the PSB, K. Sigerud added that the deployment will be done only after a series of MDs to test the system. The MDs, requested already to G. Rumolo, will take place in May-June. R. Steerenberg stressed the fact that, due to numerous different operations expected for this year, the archives must work correctly from day 1.

2. Status of the machines

Linac2 (R. SCRIVENS):
The shut-down activities for the Linac went as planned, except for a problem with the source.

The planning for the Linac start-up foresees:
Wednesday 26/01 - pm: patrol for HW Testing
Thursday 27/01 - am: deconsignation of Linac2
Thursday 27/01 - pm: HW testing starts
As from this Thursday, all access requests must be addressed to C. Mastrostefano first. An email was sent out to all known users.

On Friday 4 February, the main patrol will made, and then the start-up can happen. This needs to start with RF testing (so beam can be used) and then testing the new SIS Watchdog will probably start early the week after. One half day is required on Monday for the CPS DSO tests.

The aim is to deliver the beam to the PSB at the end of the day on 9 February, or earlier if the start up goes well.

The source was installed, but due to various problems it could be started only about 1 week behind schedule. This showed that there is a risk in trying to get the source repaired in a short technical stop.
The source was now in the conditioning period, with a low current: as usual, the intensity will not be at the maximum at the start up.

The modifications for the connection to Linac4 have been made, the shielding is reinstalled, and there should be some last checks that it is confirming to RP expectations.
There are still water leaks due to the connection of Linac4.

R. Steerenberg clarified the situation concerning the beam permits document. The DSO would like to have a single form common to all the machines. Since an agreement on the latter has not been found yet, a temporary form edited by J. Duran will be used instead.

M. Widorski remarked that the information about the changes in the schedule of the technical stops should be made available to a larger number of colleagues and more in advance.

PSB (N. COHAN, mail):
The technical stop of the PSB went without any problem.

Remark from N. Gilbert:
“La machine PSBooster sera fermée à partir de ce jeudi 27/01 à midi.
Dans le couloir d’entrée du Booster se trouve du matériel à évacuer absolument.
Selon les cas, un contrôle RP doit être fait.

Liste non –exhaustive :
- palettes (pour les shims des aimants ?)
- connecteurs
- ampli RF
- tablette sur roulette
- ...”

PS (R. BROWN):
The PS was ready for the HW tests. The PFW will be tested on Wednesday.
Basically all the activities were concluded on schedule.

Concerning the HW changes: a) in SS68, a new tank for the BWS was installed but without any mechanism; b) a new fire detection system was installed and the

commissioning will take place on Friday; c) the problem with the tunes of the 80 MHz cavities was solved.

The installation of a new BCT in TT2 did not take place due to a HW problem. For this type of detectors it was found, in the LHC, that there is a correlation between the position of the beam and the intensity measured. L. Soby reported that a similar device was installed in any case in the FTN line. The new BCT replaced the old one that was saturating at 750E10 ppp. The hope is to be able to correct this problem by installing a low-pass filter. R. Steerenberg regretted the fact that he was not informed about the decision to install the new BCT even if faulty.

The old and new MPS are currently available.
No particular issues were found for the work related to CV, except a leak found near the MMU52.

S. Hancock asked what will be the impact on beam stability of the empty BWS tank. S. Gilardoni replied that ferrites were installed in the tank to reduce the impedance to the minimum, even when the BWS mechanism will be installed. The shape of the tank was also optimised for the same purpose.

J.-P. Burnet presented the work foreseen to commission the new POPS. The slides are available here as well as the schedule for the commissioning. The goal is to test POPS with an operational Supercycle and check the DC link cables for an eventual heating problems. A fence will be installed to leave the DC links on top of the PS tunnel visible with the thermal camera but not accessible once the beam permit will be signed.
N. Cohan asked if Siemens did the regular maintenance on the rotating machine. J.-P. Burnet replied in the affirmative.

R. Scrivens added that, when beam will be in the Linac2 and the PS will pulse, the magnet stray field correction should be operational. G. Metral replied that the correction will be in place.

SPS (F. BAIS):
The SPS technical stop started the 6/12, with the general access granted as from 15/12.
A number of CV maintenance work took place since the beginning.

Eight magnets had to be changed, and four additional ones could be repaired in situ.

In BA4, a new chamber was installed.

In LSS5, some installations were done for the UA9 experiment.

In BA6, two septa were exchanged.

In BA7, there were a number of interventions of HIRADMAT.

General access will finish on 28/01.

F. Bais wanted to thank everyone for the interventions.

N. Cohan wanted to add that there is still an intervention to be done, since a vacuum leak was found in BA2. Unfortunately the leak is in a hot area and there will be probably the need to bake-out the sector.

CTF3 (F. TECKER):
The machine will close the 31/1, followed by tests of the safety chain.
The RF conditioning has started.
In addition to the regular maintenance, a new undulator replaced the one which had caused the fire last year. Following this, the two accelerating cavities removed last year were re-installed.

CLEX will start the beginning of March.

TI (P. SOLLANDER):
Nothing particular to report.

3. Schedule / Supercycle / MD planning

The 2011 schedule (V1.1) is available at:

https://espace.cern.ch/be-dep/BEDepartmentalDocuments/BE/2011-injector-schedule_v1.1.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.

4. AOB

5. Special topics: POPS commissioning

See PS report.

6. Next meeting

The next meeting will be held on Tuesday, February 8 at 10:00 in 874-1-011.

Preliminary Agenda:

- Follow-up of the last meeting
- Status of the machines
- Schedule
- AOB

Minutes edited by S. Gilardoni