Minutes of the 10th FOM meeting held on 23.03.2010

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 9th FOM meeting were approved.

Follow-ups from the last FOM:

a) Check schedule of SPS RF interventions. The schedule is still under discussion.

b) Check status of access system video signals. The experts are following the problem. The problem mentioned last week with door 701 was in fact due to an announced temporary un-availability of the system.

c) Schedule PS-SEH23 intervention (2 days). The intervention will be scheduled together with the SPS RF maintenance. So far the vacuum level is sufficient to continue the proton run.

d) Status of the PS Bfield fluctuation. R. Steerenberg mentioned that the experts are following-up the problem. A number of measurements have been taken and the analysis is still ongoing. The OASIS signal of the FMR is now available in the CCC.

e) PS radial steering GFA replacement/repair. K. Kostro mentioned that a scope for the surveillance of the system will be installed soon.

2. Status of the machines

Linac2 (F. GERIGK):

During the technical stop on Monday-Tuesday few investigations were done to try to understand the cause of source intensity fluctuations. Unfortunately, no evident reason for the fluctuation could be identified. The investigations will continue.

On Tuesday, a magnet of the tank2 tripped. A regulation card had to be exchanged. On Saturday, a Frank-James power supply had to be reset.

PSB (A. FINDLAY):

The recover from the technical stop went smoothly.

The only problems to mention for the week were the frequent trips of the trim power converter. The expert had to change few connectors. As preventive maintenances, also other connectors will be replaced.

The PSB was only slightly affected by the problem with the PS-MPS power cut (see PS report) on Saturday night (2 valves closed).

S. Gilardoni asked if PSB can prepare a MTE beam at 500e10 for the SPS injection tests and setting-up. K. Hanke will follow up the request.

PS (R. STEERENBERG):

The recover from the technical stop was without any particular problem.

The week was pretty good, except for a problem on Saturday night. During the night, a bad contact on one of the emergency stops in building 367 caused the electricity to be cut also in a number of other buildings. In particular, the building hosting the septum and kicker power converters remained without power. Also the RF power was cut.

The Fire Brigade intervened together with the RF experts and the different piquets.

At about 6:00 a.m. LHCPROBE could be delivered again even if only three 10 MHz cavities were available. Normal machine operation could be re-established at 7:30 AM.

F. Tarita mentioned that the emergency stops in different buildings are sometimes interconnected due to new installations not properly coordinated with the electrical service or due to old cablings. In this case, the new POPS installation might be the source of the problem.

This kind of problem is typically found during the tests of the emergency buttons during the shutdown. This year the tests were not done due to the shor technical stop.

The AD beam is in preparation.

SPS (E. METRAL for K. CORNELIS):

The recovery from the technical stop went smoothly. By Wednesday morning the beam could be delivered again to the LHC. The chromaticity was corrected at extraction for LHCINDIV (6E10) since some beam instabilities were observed in the LHC at injection.

During the entire weekend, the LHCINDIV was regularly delivered to the LHC. On Tuesday night, the LHC required the LHCPROBE with large emittance. The blow-up was done by inserting a screen since the setting up of the transverse damper was not yet completed.

A switch on the MKP had to be exchanged.

On Monday, a piece of metal was found on the bus-bar box of the main magnets. This created a short which stopped the machine. More details - attach pictures

CTF3:

The cleaning work after the fire are progressing.

TI (P. SOLLANDER):

Nothing special to report except the already mentioned problem in the PS.

For the non-operating machines, the NA cooling station had a problem during the week.

LHC interface with injectors (M. LAMONT):

The beams could be accelerated up to 3.5 TeV/c. The schedule foresees the first collision at 3.5 TeV/c on Tuesday, during which the media will be present.

The operation in the next days foresees the setting up of the machine for safe operation at 3.5 TeV/c, i.e., the setting up of the collimators and the protection system. Beams required from the injectors will be LHCPROBE and LHCINDIV.

3. Schedule / Supercycle / MD planning

The 2010 schedule (V1.5) is available at:

https://espace.cern.ch/be-dep/BEDepartmentalDocuments/BE/2010-injector-schedule_v1.5.pdf

The next week foresees only normal operation. The LHC will require the LHCINDIV and the LHCPROBE beams.

All planned interventions are available via the on-line agenda:

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

4. Special topics

5. AOB

S. Hutchins presented few slides (here) about some findings during the patrol after the CTF3 fire. In particular, two bottles of gas, one of acetylene and one of oxygen, have been found, abandoned since at least few years.

All the colleagues are asked to look around during their visits to the installations to spot this kind of abandoned objects.

6. Next meeting

The next meeting will be held on Tuesday, 30 March at 10:30 in 864-1-C02.

*** Note the unusual time and place! ***

Preliminary Agenda:

1) Follow-up of the last meeting
2) Status of the machines
3) Schedule
4) AOB
5) Next agenda

Minutes edited by S. Gilardoni