

# Minutes of the 8<sup>th</sup> FOM meeting held on 20.05.2014

Agenda:

- 1) Schedule Updates
- 2) Status of the Machines
- 3) AOB

## 1 Follow-up of the last meeting

The minutes of the 7<sup>th</sup> FOM meeting were approved.

### ***Pending actions:***

There were no pending actions.

## 2 Schedule Updates

K. Hanke presented the Injector Schedule (v1.2)

[https://espace.cern.ch/be-dep/BEDepartmentalDocuments/BE/Injector\\_Schedule\\_2014.pdf](https://espace.cern.ch/be-dep/BEDepartmentalDocuments/BE/Injector_Schedule_2014.pdf)

R. Steerenberg informed that this week it was agreed with S. Mataguez, D. Bodart and M. Tavlet to delay the PS DSO test initially foreseen to start on the 22 May to the 23 May to allow for the magnet team to complete all the tests still to do, to mount all the remaining covers and to complete the unforeseen additional work on the PFW cables during week 21. This means that the responsibility for the PS will be transferred from EN-MEF to BE-OP on Friday 23 May. This will also be the start of the PS cold check out period during which no access will be allowed again, unless really urgent, as our Linac2 colleagues will need to set up the beam in the measurement lines that are situated in the PS tunnel. The PS patrol was done on the 16 May and should be maintained from now on to perform the remaining HW test efficiently, followed by the DSO tests on Friday 23 May and if necessary Monday. The beam permit will be signed after the DSO tests.

K. Hanke added that this will impact on the schedule for the PSB: initially the beam was foreseen on Friday 30 May. Due to the delay the PSB will receive beam will from Linac2 on Monday 2 June.

N. Gilbert presented the detailed schedule for LEIR and AD. His slides can be found at

[https://espace.cern.ch/be-dep/FOM/Presentations\\_2014/Forms/AllItems.aspx](https://espace.cern.ch/be-dep/FOM/Presentations_2014/Forms/AllItems.aspx)

N. Gilbert reminded that LEIR access has to be done with an IMPACT request.

## 3 Status of the Machines

[Linac2 \(R. Scrivens\)](#)

R. Scrivens reported that the situation of the Linac2 control system is satisfying. The new version of the RF control showed significant improvements.

The tests for the new applications are continuing. Some of the equipment relies still on the old the GM class.

The beam intensity on the last transformer before the dump of Linac2 is about 150 mA.

M. Vanden Eyndin asked if the double and triple PPM devices are working as expected. R. Scrivens answered that this test is part of the PSB cold check out.

### [PSB \(J.-L. Sanchez Alvarez\)](#)

The PSB cold check out started. On Tuesday the MPS were “deconsiged”.

On Wednesday the QFOs were not at the reference values.

There was a problem on a MIL1553 device (now solved). Multi PPM devices worked as expected apart for one power supply.

On Sunday, due to a problem, the INCA specialist was called and its reply was fast and effective.

Tomorrow (21 May) morning a leak test is planned in the injection septum region (to check the effectiveness of the varnish). K. Hanke asked which solution will be adopted in case of vacuum leak after the varnish application. A. Ferreira Somoza answered that the vacuum leak is small and can be compensated by the pumping capability of the vacuum system. J. Borburgh added that similar vacuum leaks are already present in the PSB.

J.-L. Sanchez Alvarez informed that there are new shielding blocks on the access shaft of the PSB. In order to prevent them from being removed, they need to be locked but the previously used mechanism does not fit any more to the new shielding blocks. A new mechanism is being worked on by D. Hay. This is a condition for putting beam into the PSB.

K. Hanke asked if the access system is working as expected. J.-L. Sanchez Alvarez answered that the situation has improved w.r.t. last week.

M. Vanden Eynden asked about the integration de FGC. The FGC3 signals were tested. When disabled spikes on the signals were observed due to parasitic cross talks. A proposed solution was to control the signals in current instead than in voltage.

### [PS \(G. Métral and S. Mataguez\)](#)

G. Métral confirmed that most of the problems with the access system have been solved.

Concerning the PS the HW test is on going.

This week a preliminary polarities check took place and the septa motion was verified.

Tomorrow (21 May) the magnet covers will put back in place. On Thursday the measurement of the bypass RF and of the ground loop will be completed.

The patrols of the tunnel and the PS external areas have been scheduled for Thursday (22 May). RP agreed that if there are problems with the patrol in the PS external areas, the beam permit will be anyhow signed for low energy and low intensity beams.

### [SPS \(B. Salvant\)](#)

Nothing special to report.

### [ISOLDE \(M.-L. Lozano Benito\)](#)

The GPS front-end is ready for the HW tests. The power supply tests started. There were problems on the CO related to the IP address on the devices.

Concerning the leak on HRS20, E. Siesling presented an update. His slides can be found at

[https://espace.cern.ch/be-dep/FOM/Presentations\\_2014/Forms/AllItems.aspx](https://espace.cern.ch/be-dep/FOM/Presentations_2014/Forms/AllItems.aspx)

The magnet HRS20 has been successfully moved and now the vacuum chamber leak can be repaired. The new simplified laser box and flange is in production at the CERN workshop.

There was a problem with the mechanical contact between the magnet pole and the pole face windings. A. Newborough is kept in the loop. K. Hanke asked if the pole face windings (PFW) can be removed. E. Siesling answered that the PFW are presently not used but might be used. Therefore they will be left in place.

K. Hanke asked if there is an impact on the schedule. E. Siesling reported that no impact is expected.

### [East Area \(\)](#)

No news.

### [nToF \(\)](#)

No news.

### [AD \(T. Eriksson\)](#)

On schedule.

### [East Area \(\)](#)

No news.

### [Linac3 \(D. Kuchler\)](#)

D. Kuchler reported that the Linac3 pepper pot is available but that its vacuum tank is not yet delivered. K. Hanke asked what the impact of this delay is. D. Kuchler answered that it has no direct impact with respect to operation but it is a relevant diagnostic tool for the planned MDs. K. Hanke asked about the reason of the delay. D. Kuchler explained that it is not a standard vacuum chamber and a special machining is required.

The source will be closed next week (according to schedule).

#### [LEIR \(S. Jensen\)](#)

S. Jensen reported that the first CO dry run was partially successful.

#### [TI \(J. Nielsen\)](#)

There is nothing in particular to mention.

## **4 AOB**

K. Hanke informed that M. Paoluzzi from the RF group asked for half a day access to the PSB in order to install the Finemet amplifiers. R. Steerenberg suggested scheduling it during the SPS DSO tests (28 August, week 35). A. Findlay agreed and commented that installing the amplifiers at the end of August will minimize the radiation damage before the MDs scheduled on September. There was no objection. The FOM will discuss the intervention details in week 33 (two weeks before the access).

K. Hanke informed that the FOM of the 3<sup>rd</sup> June is cancelled due to the Evian workshop.

M. Gourber-Pace informed that tomorrow (21 May) from 07h30 to 08h00 there will be a reboot of some CO servers. This will have some impact on the availability of working sets.

The next FOM meeting will be held on 27 May. The agenda will be communicated in due time.

Minutes edited by G. Sterbini.