

# Minutes of the 3<sup>rd</sup> FOM meeting held on 01.04.2014

Agenda:

- 1) Update on the Injector Schedule: request of TS on October, news on AD restart and SPS EPC commissioning
- 2) Tour de table of the Technical Coordinators (C. Mastrostefano, D. Hay, S. Mataguez, D. Mcfarlane, N. Gilbert)
- 3) AOB

## 1 Follow-up of the last meeting

The minutes of the 2<sup>nd</sup> FOM meeting were approved.

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

There were no pending actions.

## 2 Update on the Injector Schedule

K. Hanke showed the latest version of the Injector Schedule (v1.0)

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

After the official request of the RF group to have an 8 h Technical Stop (TS) before the winter stop, the scheduling of the TS was discussed. A. Bland confirmed that a global TS would be beneficial for CO and IT. R. Steerenberg asked if some cool-down time should be foreseen. T. Bohl informed that for the RF related intervention no access is required and D. Macfarlane added that for the moment he has not received any request for access. K. Hanke suggested to schedule an 8 h TS including possible cool-down time in case access is needed. A possible slot for the TS could be on 29 October (week 44) at the place presently allocated for the injector MD. K. Hanke added that the final decision has to be taken together with the MD Coordinator, G. Rumolo.

D. Macfarlane asked to clarify the goal and the scope of the TS in week 51. K. Cornelis commented that the answer is related to the choice to start either with protons or ions in the 2015. The SPS beam commissioning time depends on that choice. M. Lamont suggested having a hot proton restart in 2015. It was therefore concluded that one has to profit at best from week 51 TS without impacting on the possibility to have a hot proton restart.

T. Eriksson reported on the AD delay. The damage on the AD horn stripline is well assessed even if the causes are still not clear. Both restart scenarios are still under considerations (physics start moved respectively to 17 August or 19 October). The final decision will come in few days and will be reported in the next FOM.

## **3 Tour de table of the Technical Coordinators**

### **3.1 Proton Source (D. Kuchler)**

D. Kuchler reported that the source was switched on last week. One and half week ago the control test on the source showed an alarm propagation issue (from the hardware to LASER). It concerned the whole linac and it was found during a dry-run for the power converters. J. Betz explained that the alarm issue will be probably solved in the next days with an update in LASER and iterations are on going to solve the problem, W. Buczak is working on it. He added that there is another, more serious, issue on the memory management seen on FECs running FESA classes. It could not be related to 32bit or 64bit or specific classes (like PowM1553). But it seems to occur only for Development Units (DU) running in Mixed mode. If running the same DU in split mode the memory situation seems to be stable. The problem is presently under investigations.

### **3.2 Linac2 (C. Mastrostefano)**

C. Mastrostefano informed that the LS1 period for Linac2 was terminated on the 4 March and the HW commissioning started. Due to logistic reasons, on the 9 April an intervention for consolidating the tank vacuum valves is scheduled. It will last two days.

The source has reached 72 % of the nominal current and commissioning is on going. As originally scheduled the DSO test and beam commissioning will respectively take place on the 17 and 24 April.

K. Hanke thanked C. Mastrostefano on behalf of the FOM.

### **3.3 PSB (D. Hay)**

D. Hay reported that the main PSB LS1 activities (new access, new dump and LIU related intervention, cabling, civil, engineering, service maintenance...) are completed. His presentation can be found at:

<https://espace.cern.ch/be-dep/FOM/Presentations%202014/Forms/AllItems.aspx>

There are still some activities on going (laser survey, possible bake-out of one septa).

The machine is in restricted access mode (a valid IMPACT is needed). No access will be allowed from 31 March to 4 April and from 9 to 15 April (respectively PSS interlock tests and HV tests). P. Sollander asked in case a piquet intervention is needed during the no access period how the piquet and TI have to proceed. After discussions on the two memoranda of D. Tommasini and T. Otto that can be found at

<https://espace.cern.ch/be-dep/FOM/Presentations%202014/Forms/AllItems.aspx>

it was concluded that further clarifications are needed to establish an access procedure. P. Sollander will follow it up. An action was opened.

K. Hanke thanked D. Hay on behalf of the FOM.

### **3.4 PS (S. Mataguez)**

S. Mataguez reported that the PS LS1 ended the 28 March as scheduled; TT2 remains in shutdown mode. The PS started now its HW commissioning phase.

K. Hanke thanked S. Mataguez on behalf of the FOM.

### **3.5 SPS (D. Mcfarlane)**

D. Mcfarlane presented the SPS activities. Up to now the schedule was respected to the day and no specific delays are expected. The presentation can be found at

<https://espace.cern.ch/be-dep/FOM/Presentations%202014/Forms/AllItems.aspx>

On 26 June the machine will be closed and SPS-OP will organize the patrol during the following weekend.

D. Mcfarlane and K. Cornelis reported that the EPC and the SPS-OP teams agreed to run in parallel the EPC and beam commissioning activities during eight weeks.

K. Hanke thanked D. Mcfarlane on behalf of the FOM.

### **3.6 AD and LEIR (N. Gilbert)**

N. Gilbert informed after the FOM that there are some modifications on the LS1 schedule for AD and LEIR but these are transparent for the schedule of the HW test since both machines will close at the foreseen dates anyway. Considering the problem on the magnetic horn at the AD-target, the HW test period of the AD-ring machine is extended allowing a specific test for the EPC team. For LEAR, on request of GS/ASE, some more time is given for a pre-DSO test. Consequently the initial DSO test is moved by 1 week without affecting the date planned for the beam back.

The details can be found at

<https://espace.cern.ch/be-dep/FOM/Presentations%202014/Forms/AllItems.aspx>

## **4 AOB**

K. Hanke informed that tomorrow (2 April) at 14h00 there will be the lecture “First line diagnostics strategy and tools for the controls system” in the Preveessin BE Auditorium.

R. Steerenberg reported on behalf of P. Ninin that the Access System tests are continuing. The first partial results are very positive. Patrols were completed yesterday (31 March). From today (1 April) and later during the week the interdependences between the different areas and the Arrêt d’Urgences will be tested.

K. Hanke said that the start dates for the various piquet services need to be defined (RP, Magnet, LL RF, Vacuum and CV).

The CO piquet does not exist any more.

C. Mugnier reported that the EPC piquet schedule is organized following the BE-OP request. From week 16 the PS injectors Piquet (160391<sup>1</sup>) will be available during working hours (not during weekends). From the 5 May the 24/7 piquet service for the PS complex will start and will be available throughout the run. The First Line will be available from 1 July.

J. Vollaire informed that the RP piquet was not interrupted during LS1 and will continue to be available. The piquet can be contacted through the Fire Brigade as usual. The piquet second line will be re-activated during the second semester with the restart of the SPS.

K. Hanke will follow up the scheduling for LLRF, Vacuum, Magnets and CV piquets. An action was opened.

## **5 Next agenda**

The next FOM meeting will be held on 15 April. The agenda will be communicated in due time.

Minutes edited by G. Sterbini.

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<sup>1</sup> <https://edms.cern.ch/document/702341/7>