

Facilities Operation Meeting – Minutes

01/10/2024 FOM 2024 #35 (reports for Week 39), via Zoom

Chair: Alberto Rodriguez

Scientific secretary: Emiliano Piselli

List of participants (46):

Albert M.; Albright S.; Asvesta F.; Barbet V.; Bellodi G.; Bojtar L.; Chapuis D.; Chapuis F.; Comblin J. F.; Di Capua V.; Di Giovanni G. P.; Dutheil Y.; Fadakis E.; Findlay A.; Garcia Alia R.; Gourber-Pace M.; Heylen H.; Holzer B.; Korysko P.; Kuchler D.; Lallement J. B.; Lozano Benito M. L.; Maclean E.; Mahner E.; Milazzo P. M.; Oliveira J. C.; Papotti G.; Petrika G.; Piselli E.; Ponce L.; Pozzi F.; Rae B.; Rodriguez J. A.; Sabin K.; Sanchez Alvarez J. L.; Sargsyan E.; Scrivens R.; Slupecki M.; Skowronski P. K.; Spierer A.; Stopa W.; Timko H.; Topaloudis A.; Wegner R.; Wu Y.; Zisopoulos P.

Indico: <https://indico.cern.ch/event/1387372/>

Agenda

1. Approval Minutes Previous Meeting & Follow-up of Open Actions (*A. Rodriguez*)
2. Summary of the Reports from Accelerators & Facilities (*A. Rodriguez*)
3. MD requests and dedicated MDs (*F. Asvesta*)
4. Short-term injectors schedule outlook (*A. Rodriguez*)
5. AOB

1. Approval Minutes Previous Meeting & Follow-up of Open Actions (*A. Rodriguez*)

Slide p. 2 ([hyperlink](#))

No open actions.

The minutes of last week ([hyperlink](#)) were approved as they are without further comments.

2. Summary of the Reports from Accelerators & Facilities (*A. Rodriguez*)

Slides pp. 3-17 ([hyperlink](#))

PSB

F. Asvesta expressed gratitude to all teams involved to solve all the issues reported, especially those from EN-CV, for addressing the water cooling issue and to TE-EPC for the 7hours intervention for the fault of POPS-B.

ISOLDE

H. Heylen Physics report:

On GPS, post-accelerated 212, 214Ra beams are sent to the Miniball setup to perform Coulomb excitation measurements in the context of testing the seniority scheme around $N =$

126. The yields were higher than anticipated, which meant one of the physics goals could be completed in ~ 1 night instead of 1 weekend. Generally, the run is going very smoothly.

LINAC3

A. *Rodriguez* inquired whether the refilling date scheduled for October 8th had been discussed with all stakeholders. R. *Scrivens* responded that the discussion has not yet occurred but welcomed any comments. He also noted that T. *Argyropoulos* is currently overseeing the SPS and is in contact with them.

A. *Rodriguez* asked if the BPM used for the time-of-flight measurement is used to measure beam energy as well and R. *Scrivens* explained that the aim is to use two BPMs in the Linac 3-to-LEIR transfer line to measure the phase between them, allowing for energy measurement during the pulse, including the ramping of the beam energy.

R. *Scrivens* confirmed that the plan is to use it regularly, as the LEIR injection is sensitive to the energy from LINAC3, which fluctuates as the stripper evolves over weeks. This could be managed using RF cavity feedback to control the energy.

PS

G. *Petrika* requested clarification about the issue reported ("*Water cooling issue on F16.BHZ167 power converter on 26.09 (~40m with beams only to East Area). Solved by piquet by increasing water flow to power supply.*"). E. *MacLean* mentioned that he was unsure about the details, and they agreed to discuss the matter further offline after the meeting.

East Area

A. *Rodriguez* inquired about the reported issue: "*T10: Inefficiency found in T10.XCET043 Cherenkov Detector (low pressure). Being investigated.*" S. *Rae* explained that the detector is not efficient or precise enough, and that SY-BI is currently looking into it.

North Area

B. *Rae* mentioned that there was an issue with a vacuum pump in TCC2, which might require access on the 9th or 10th of October. However, further investigation is needed to determine if it's worth addressing, considering the high-dose rate zone. They will communicate further details, likely by the next meeting.

A. *Rodriguez* inquired whether operations could continue without repairing the pump. B. *Rae* confirmed that the vacuum has not been degraded because another pump is currently handling the workload. However, they would prefer both pumps to function properly. Given that the run is nearly over, it may not be worth the effort or exposure, but the matter is still under discussion.

AWAKE

G. *Papotti* mentioned that AWAKE Run 5 has started on Monday September 30th.

3. MD requests and dedicated MDs (B. *Salvant*/F. *Asvesta*)

Slides ([link](#))

F. *Asvesta* asked if it would be possible to extend the SPS MD slot for "Crystal shadowing + TAX and wobbling + hysteresis compensation" by another 2 hours to recover additional time.

B. Holzer responded that, as long as the ion commissioning doesn't take longer, she has no objections.

A. Rodriguez added that *R. Steerenberg* will provide confirmation.

4. Short-term Injectors Schedule Outlook (*A. Rodriguez*)

Slide p. 4 ([hyperlink](#))

5. AOB

No AOB.

Minutes by E. Piselli