



Operation Board Meeting

MINUTES

Number

#18

Participants

D. Nölle
H. Weise
R. Wichmann
Th. Tschentscher

Distribution

Email list OB

Date

05 March 2018

Time & place

13:00 – 14:30; DESY, Bldg 24, R, 242

Agenda

- 1) Minutes and action items
- 2) Last week
- 3) Next week
- 4) Improvement activities
- 5) Assessment of operational risks, adjustments of operation schedule, etc.
- 6) AoB

1. Minutes of last meeting and action items

Minutes of meeting #17 approved.

2. Last Week

See run coordination meeting report(s)

<https://ttfinfo.desy.de/XFELelog/show.jsp?dir=/2018/09&pos=2018-03-04T15:12:36> (ACC)

<https://ttfinfo.desy.de/XFELelog/show.jsp?dir=/2018/09&pos=2018-03-04T15:07:21> (x-rays)

Radiation test with 300 bunches/pulses and >1.2 mJ pulse energies. Samples are analysed now. FEL detector measuring fluorescence from air did work well. Report to be issued soon. Could expect that radiation safety will allow to use more bunches.

Have had some problems with IBFB (failed during weekend) which led to different SASE level along bunch train during weekend This possibly led to problem for SPB detector calibration. Find out about timing of detector.

Observed problem with vacuum interlock from beamlines → should not go directly into MPS.

Have permission to operate SA3 with 30 bunches → Currently no EPS system for SA photon beam transport, so protection cannot be assured.

3. Next Week

See schedule in log-book

<https://ttfinfo.desy.de/XFELelog/show.jsp?dir=/doc/Schedule&pos=2018-03-02T10:33:16>

Will switch from Injector laser 1 to 2. May try to test 550 and 275 kHz.

Run close to design compression; according to settings/simulations, not measured by TDS (would need 2-3 hrs). Run without laser heater and produce FEL at good pulse energy level.

Current photon energy 9.4 keV (ACC side). Would benefit from photon measurement.

- Tue temporary access to XTL

- SPB user experiment will start Thursday daytime.
- FXE experiment (night shifts) will perform detector and instrumentation tests.

SA2 permission to operate by authorities has been issued. Thu morning final inspection. Put XTD1, XTD4 and XTD7 still this week into interlock. Magnet tests over the weekend.

4. Improvement activities

- Radiation issues in undulators
 - F. Wolff-Fabris & Schmidt-Föhre met to prepare design for RadFet sensor shielding
 - Last week analysis (200, 300 b) should allow making more conclusions about origin.
 - Have now installed 3 Pandora detectors in SA1 (cells 1, 15, 30) and 1 in SA3 (cell 15).
- Status timing for synchronizing PP laser still open. Should be tested timely before restart after April shutdown.

5. Assessment of operational risks, adjustments of operation

- none

6. AoB

- OB website not progressed – TT to ask S. Weigert

Follow-up

Follow up	
04.1	Clarification of general safety organization. Ask for safety organigram (→ S. Mohr, S. Kozielski)
06.1	PP laser timing connection Check final status
17.1	Follow up beam on demand for experiments