



ABP news

May 6th, 2021

Y. Papaphilippou

■ SA

- SA **procedures** (management of members, Christmas party, communications, survey) are put in compliance with **protection of personal data** and OC11
- **Graduate program**: Ensure not degrading current conditions (CHIS/PF contributions, fellows,...)
- More news in [ECHO bulletin](#)

■ HR

- **HR public meetings** on 26/04/21 ([English](#)) and 27/04/21 ([French](#)) on Graduate Programme Review, 25 by 25, TW policy, see recordings
- **On-boarding program** “[Connecting the dots](#)” taking place bi-monthly for newcomers, next session on 18/05/21

■ Safety

- **Consolidation of false ceilings** to be included in SCE plan, inquiring possibility for consolidation of PS complex buildings

■ Space matters.

- **Space reallocation** plan within dept. and beyond, **approved** by the BEMB (thanks to Ghislain!)
 - Restructuring of **ABP-HSL labs**, reduce **occupancy** of **ABP** shared offices
- Removal of **B.628** under discussion with SCE
- **B.777** – No global needs for BE but some opportunities for space
- News from the **Space Management Forum** (chaired by Isabel Bejar Alonso)

BEMB news



■ Operation (03/05/2021)

- Linac4: **very good running (>95% availability)**
- PSB: **POPS-B regulation** improvement reducing current error on magnets by a factor of 3. Work to be continued.
- PS: **losses** in SS88 identified due to sponge inside vacuum chamber, used to clean flange of new magnet. e-cloud **scrubbing** will continue in parallel to the SPS scrubbing run.
- SPS: captured beam and **pilot** up to **flat top**, high intensity needs still more work
- ELENA: Beam **commissioning** with detailed measurements (kick response and chromaticity, beam sizes with scraper)
- Linac3: **Source Radiation x-ray emission** measurements of unshielded source and together measurements on stripper foil
- AWAKE: **Laser experiments** completed.
- LHC: **Powering tests and training: Paused** in 7-8 and **warm-up** for dipole replacement

	S12	S23	S34	S45	S56	S67	S78	S81
Status	Training	Phase 2	Training	Training	Phase 1	Cool-down	Training paused	Phase 1
# Quenches	17	-	63	24	-	-	69	-
Current last quench	11'539 A	-	11'941 A	11'546 A	-	-	11'585 A	-
Equivalent Energy	6.76 TeV	-	6.99 TeV	6.76 TeV	-	-	6.79 TeV	-

General information



- **FCC:** M. Benedikt, R. Losito and F. Zimmermann.
 - Draft structure of the project and involvement of BE Groups in FCC-ee and FCC-hh.
 - **FCC week** (remote) to be held from 28 June to 2 July.
 - 2021 – Placement studies and implementation variant identification.
 - 2022 – General design update for preferred implementation variant.
 - 2023 – Coherent design plan for machine, infrastructure, and tunnel.
 - Between mid-2023 and end-2025 detailed design work and feasibility report.
 - **ABP/FCC-ee day**, to be organized in June
- **Procurement**, Lisa Bellini Devictor
 - **Industrial return:**
 - 4-year average (over 4 years) ratio of expenditures in member states as compared to contributions
 - 10 well balanced countries (ratio>1) and 4 very poorly balanced (ratio <0.4), **UK is critical** as 2nd biggest contributor of CERN budget.
 - Make effort for better balanced industrial return
 - **Industrial exhibitions:** Denmark 2-3/06, Holland, 25, 28-29/06, India 13-15/09, Italy 7-8/10, Cyprus 23-24/11
 - Coordinate involvement of **tech specialists**

More news



■ ATSMB

- **MTP** approved for BE, in particular Oxygen run with fellow,
- **FLASH** collaboration with CHUV in Lausanne for ABP some LC activity moves to this one, less clear for other groups, reflect this in APT
- **Communications** within **BE**: Proposal for interactive channel with mattermost

■ News

- **BE Deputy travel manager**: A. Valenza
- **IPAC papers**: already ~20 uploaded in BE cernbox repository, ~10 for ABP approval
- **IPP** with presentation by G. Rumolo on e-cloud story in the PS
- **ABP injector working group** discussing beam physics aspects of injector commissioning and presentation for refining the study of the linac pulse flatness versus chopping efficiency from LINAC4
- **HL-LHC coordination group**: Elias Metral appointed as scientific secretary, Ilias Efthymiopoulos will also become a members as LHCC ATS representative
- **Letter of support** drafted and signed by HL-LHC management and sent for **BBLRC** HW for TRIUMF (in support for receiving national funds). Discussion with TRIUMF collaborators about next steps.

■ Events

- IFAST kick off on 4th of May, see <https://indico.cern.ch/event/1024993/>