

---

# **News from the PS/SPS Coordinator**

## **2022 Schedules and YETS activities**

Eva Barbara Holzer  
SPS and PS Physics Coordinator

148<sup>th</sup> LHCC Meeting  
November 17<sup>th</sup>, 2021

# Towards an Injector Schedule for 2022

---

- 13.10.2021: SPSC decided on 4 weeks of Pb ion to the SPS North Area at the end of the 2022 run
- 22.10.2021: Draft injector schedule for 2022 presented at the IEFC (LHC Injector and Experimental Facilities Committee) <https://indico.cern.ch/event/1088956/>
  - PS EA FT physics start: ~~March 14th~~
  - PS EA FT and AD physics end: December 12th (nTOF and ISOLDE a bit earlier) – protons in the EA could stop a bit earlier
  - SPS NA FT proton physics start: ~~April 11th~~
  - SPS NA FT proton physics end: November 14th
  - SPS NA FT ion physics start November 14th
  - SPS NA FT ion physics end: December 12th
- Physics start dates were too optimistic (De-cabling campaign in the North Area, access system work, beam commissioning time) and delay of the LHC allows to re-schedule the injectors as well.
- Several other programs to be adapted to the LHC schedule (Technical Stops, MDs → special runs like AWAKE, HiRadMat)
- An updated injector schedule to be presented at the IEFC 18.11.2021
- Plan for approval by the Research Board on 1<sup>st</sup> December 2021.

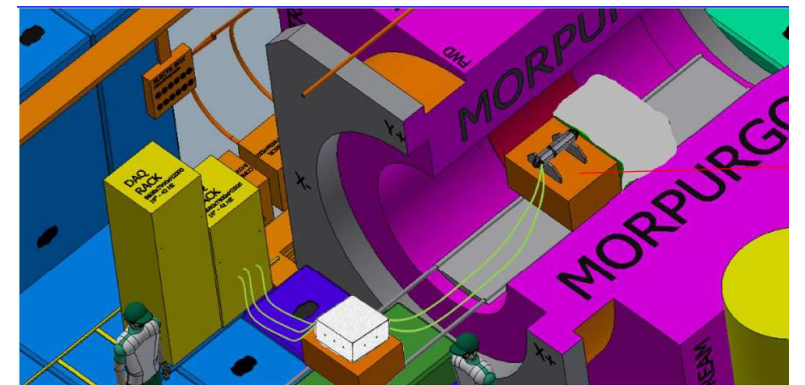
# Towards a User Schedule for 2022

---

- 18.10.2021: Call for 2022 PS/SPS proton and ion fixed target beam time requests sent out (injector schedule approaching a first draft version)
- 5.11.2021: After incorporating user feed-back and an explanation session the new beam request submission tool went online
  - Beam requests now directly entered in a database by the users via a web interface
  - Necessary for the growing number of users; avoid copy/paste errors; reduce requests for clarification
  - In 2022 mainly used for scheduling the beam times and planning the support infrastructure
  - Intend to improve and enlarge this tool in the coming years (EU project submitted)
- 15.11.2021: Deadline for submission of requests. Several requests for late submission.
- 18.1.2022 SPSC: Present draft user schedule
- End of January: Distribute the draft schedule to the users
- 9.3.2022 LHCC: Present review of requests and draft user schedule
- Typically: First official version 1.0 of the user schedule a few weeks before the start of physics

# Selected Activities during the YETS

- North Area Consolidation Project
  - Big de-cabling campaign in ENH1 during the YETS  
→ power cut in ENH1 and gas distribution stopped in all North Area 19/01/22 to 23/02/22
  - Individual solutions under discussion for user activities:
- CMS-GEM: Test of GE1/1 chamber in Magnet field
  - Reproduce the effects observed in CMS (trips/discharges in GEM chamber during magnet ramp)
  - Define HV settings such that we can keep in safe status the GE1/1 in CMS during Magnet ramp
  - Define a procedure to burn shorts in GEM
- GIF++ operation
- MADMAX (Direct search for Dark Matter Axion with Magnetized Disk and Mirror Axion eXperiment) test in the MORPURGO magnet before the 2022 start up



---

**END**