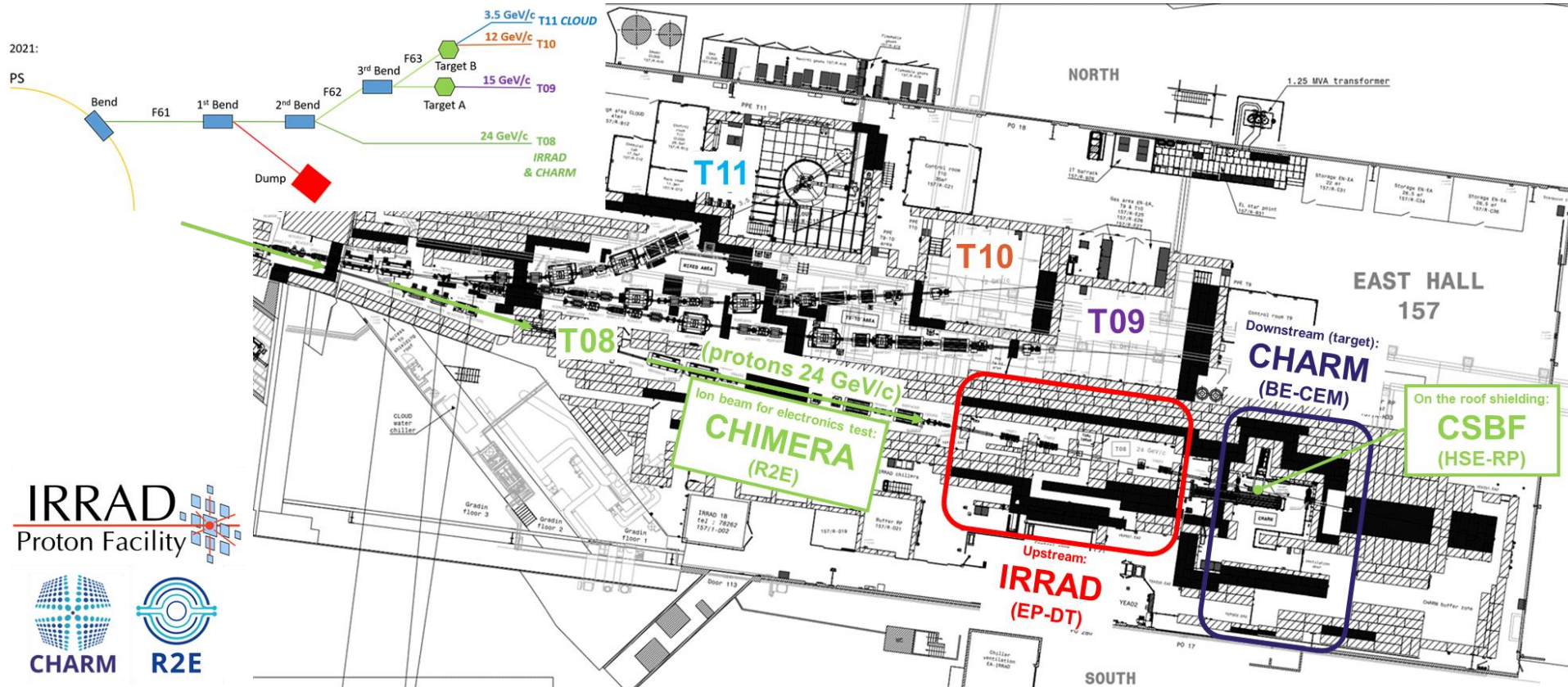
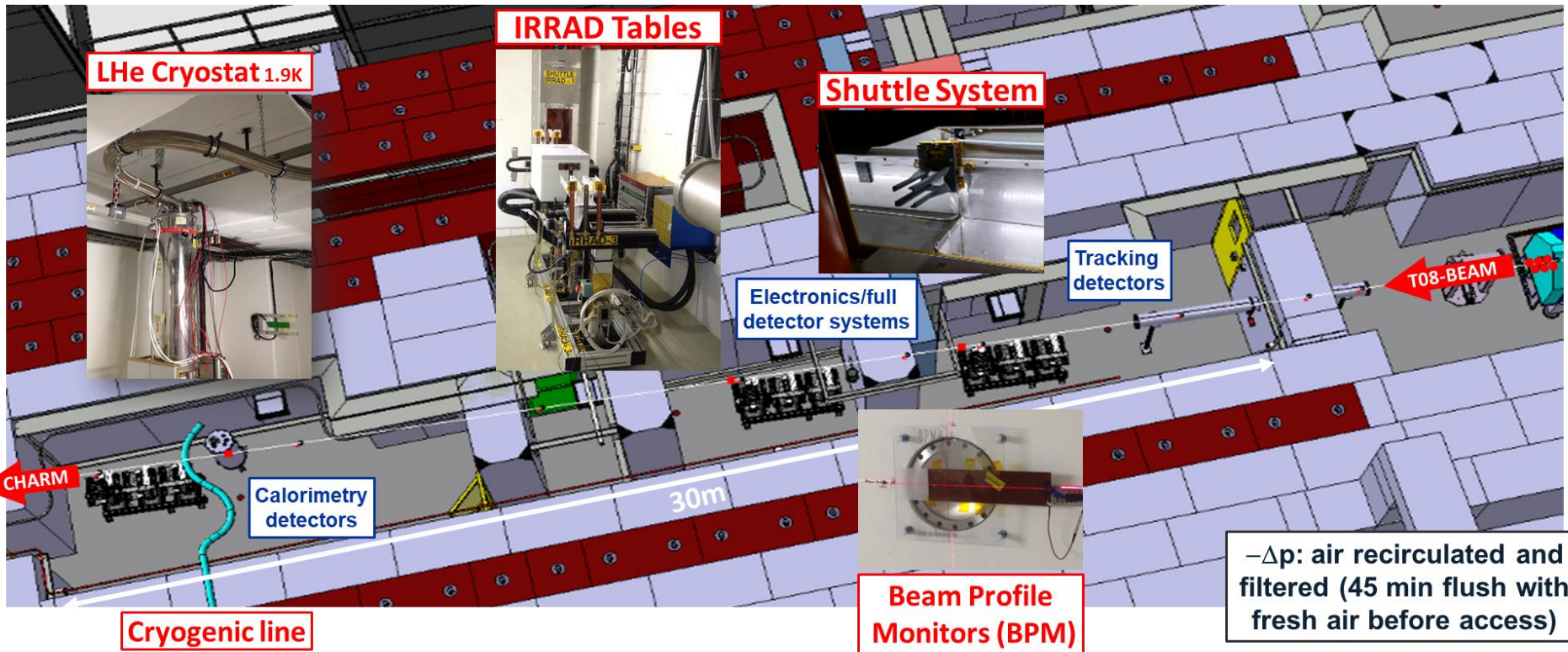


Irradiation Facility at CERN PS



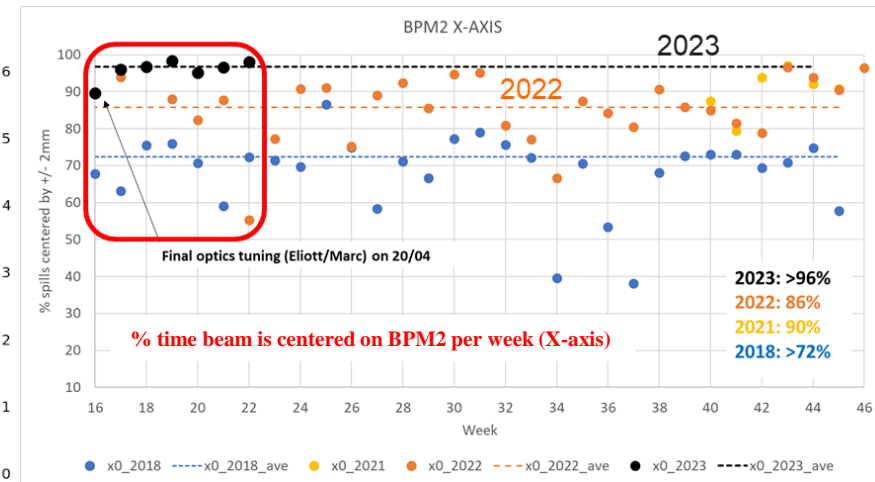
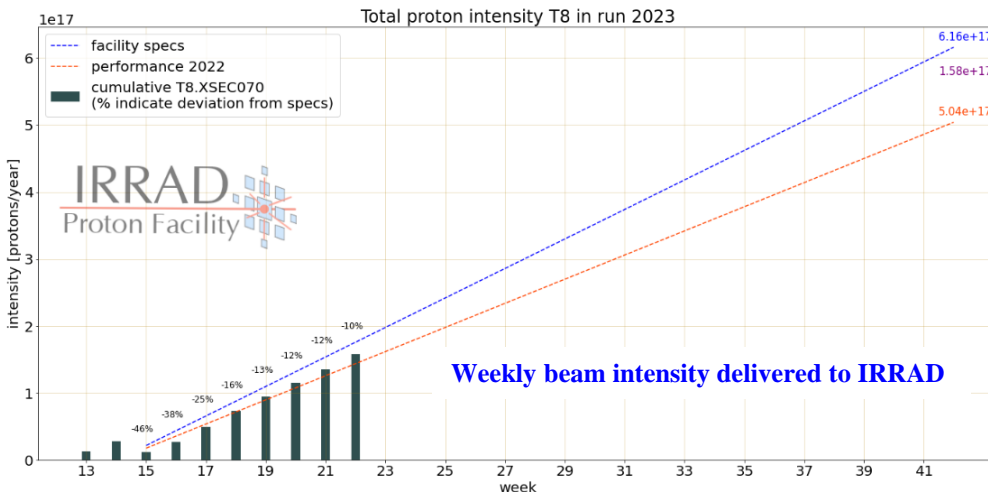
IRRAD Proton Facility

- Testing components of the HEP experiments
- Beam of **24 GeV/c** and size of **12×12 mm²**
- Spills of **400 msec** every ~10 sec
- Fluence of **>1×10¹⁶ p/cm² in 2 weeks**
- Scanning over dimensions of **10×10 cm²**
- **Low Temp. (-25°C) & Cryogenic Irradiations**



IRRAD Run 2023

- The **proton run 2023** begun in April (week 14) and will **end by mid-October** (week 41)
 - CERN accelerators operation reduced compared to previous years: **25w. for IRRAD user operation** (16 left)
 - One week dedicated to Radiation Protection measurements (CSBF)
- Two weeks dedicated to **heavy-ion beam** (week 42 – 43)
- Significant improvement in both **beam intensity** delivered to IRRAD and **beam stability**
- **21 experiments registered in IDM** (~ 250 samples being processed at mid-June)
 - <https://irrad-data-manager.web.cern.ch/>
 - Most complex (and long) experiments will be ready by end of June, often requiring the usage of cold-boxes
 - **Need of establishing priorities for experiments belonging to same projects!**



Irradiation facilities at CERN PS

- Use our web page
 - <http://cern.ch/ps-irrad>
- For your registration
 - <http://cern.ch/IRRAD-data-manager>
- For your Dosimetry result
 - <https://ps-irrad.web.cern.ch/results.php>
- The **EURO-LABS** project offers **support for transnational access to IRRAD!**
 - Reimbursement of travel and accommodation costs for user teams using the facility
 - Technical Support and expertise (allowing to cover part of the operational costs) at the research infrastructure or facility
 - The **application procedure** is described :
 - In general, on the EURO-LABS website: <https://web.infn.it/EURO-LABS/transnational-access/>
 - In detail, for CERN on the CERN EURO-LABS website: <https://euro-labs-cern-ta.docs.cern.ch/>
 - All **eligible IRRAD user** are kindly requested to fill-in an application for EURO-LABS TA

