

12th Beam Telescopes and Test Beams Workshop



Contribution ID: 18

Type: Talk

Coordinating the future challenging user needs and improvements of test beam and irradiation facility infrastructures at CERN

Monday, April 15, 2024 4:40 PM (20 minutes)

The ability to study the open mysteries about the universe strongly relies on the capability of innovating high-energy physics instrumentation and research infrastructures. The diversity of physics programs supported by CERN requires to provide access to a wide variety of particle beams and radiation fields at CERN and at worldwide research institutes to fulfill user's needs. Hence, the necessity to support financially and technically test-beam and irradiation user requests and R&D activities for both the near- and longer term.

CERN has extensive experience in taking part in international scientific projects such as the EURO-LABS project lately. In these projects, CERN is often involved in managing transnational access and user's scheduling among facilities, operating within its accelerator complex. The irradiation facilities GIF++, IRRAD, CHARM, as well as the PS East Area (EA) and SPS North Area (NA) are reference facilities meant to meet the R&D objectives mentioned above.

This contribution presents the most important developments and improvements related to the coordination of the CERN Irradiation and Test Beam facilities during 2023 as well as it will give an outlook for 2024 and 2025 until the start of the CERN Long Shutdown 3.

Primary authors: HOLZER, Eva Barbara (CERN); RAVOTTI, Federico (CERN); PELISSOU, Pierre (CERN)

Co-authors: GKOTSE, Blerina (CERN); JAEKEL, Martin R. (CERN); SCHWINZERL, Martin (CERN)

Presenter: PELISSOU, Pierre (CERN)

Session Classification: Facilities