

7th Beam Telescopes and Test Beams Workshop



Contribution ID: 52

Type: **not specified**

The Frascati beam-test facility doubling

Wednesday 16 January 2019 09:40 (20 minutes)

The improvements of the Frascati beam-test facility (BTF) are based on the splitting of the existing beam-line: adding a second branch in the BTF it will be possible to run in parallel two different setups. This is realized by splitting the beam with a pulsed 15° dipole (<100 ms ramp) and a two-way vacuum pipe, and with a second set of beam diagnostics for the monitoring of the beam intensity, of the spot size and position.

The project of all new elements, of the improvement of the vacuum, power, cooling and conditioning systems, as well as the modifications to the building has been completed in-house by the Frascati staff, the new elements and vacuum components have been then built. After having completely dismantled the old beam-line, the services and infrastructure of the facility have been revised and upgraded. The beam-line has been finally rebuilt in the new configuration with the new two branches: BTF-1 dedicated to long-term installations, and BTF-2 for shorter duration test-beam activities.

Primary authors: VALENTE, Paolo (Sapienza Universita e INFN, Roma I (IT)); DI GIULIO, Claudio; FOGGETTA, Luca Gennaro (INFN-Laboratori Nazionali di Frascati); Dr BUONOMO, Bruno (INFN LNF)

Presenter: VALENTE, Paolo (Sapienza Universita e INFN, Roma I (IT))

Session Classification: Facilities & Infrastructure