

11th Beam Telescopes and Test Beams Workshop



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Test Beam Facilities at Fermilab

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Fermilab plays host to the Fermilab Test Beam Facility (FTBF) and the Irradiation Test Area (ITA). The FTBF is one of the highest energy facilities in the world which is dedicated to helping experimenters develop, test, and calibrate particle detectors. The Fermilab accelerator complex delivers a 120 GeV primary proton beam and secondary/tertiary beams of varying momenta and particle content. The ITA provides access to high intensity (up to $2.7 \times 10^{15}/\text{hr}$) 400 MeV protons directly from the FNAL linac. In addition, FTBF and ITA provide beamline instrumentation, sources, ancillary equipment, and technical support needed to run successful experiments. The facility hosts over 200 users a year from all over the world including collider physics (CMS, ATLAS, Electron-Ion Collider), neutrino physics (DUNE), cosmic experiments, pure R&D, and NASA experiments. Facility capabilities, scheduling, and plans will be discussed in this talk.

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