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New High Rate Tracking area

A new area for beam tests of high rate tracking devices is being commissioned at the Fermilab Test Beam Facility. The new area is in the MTest beam line upstream of the pinhole collimator in the MT3 Alcove. This area is suitable for tests of detectors with modest transverse dimensions. High rate tests will use 120 GeV protons. The maximum rate available is approximately 2.5 GHz/cm^2 (10^{10} particles/spill). A Patch panel for signal and high voltage cables links the enclosure alcove area with the MS3 service building, where experimenters can monitor their apparatus. Network fiber is installed between the two areas, with capabilities for general network access and private network capabilities. A remotely controllable motion table is available so users can perform beam scans, and move detectors completely into and out of the beam, without making accesses to the beam enclosure.

Summary

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Track Classification: Experiments: 2a) Experiments & Upgrades