

Test beam 2011 annals

2011 is the first year after the Beijing-Test Beam Facility (TBF) upgraded, in the two run stages of the TBF from June to July and from October to November, the TBF completed seven tests of the users on upgraded E3 line, such as the tests of MRPC detector prototype and its electronic instruments, HXTM anticoincidence detectors, CsI crystal arrays detector, GRB POLAR detectors, SVOM satellite gamma ray monitor detectors, earthquake electromagnetic satellite high energy particles anticoincidence detectors and the study of luminous performance on CsI(Na) crystal. While detectors testing online, the components, seeds and material radiation effect tests are carried out on the E2 line simultaneously.

At the interval time of the TBF operating, maintenance of the TBF's magnet power supplies was performed, all the old capacitors are replaced, and those power supplies and controllers with malfunctions are repaired. Some news electronic instruments are ordered. New dose monitor system has been set up for target room.

In 2011, besides the accelerator experiment physics users, beam test is welcomed by the user from the field of particle astrophysics; the more detectors from the cosmic rays measurements will be tests on test beam.