

IHEP-TeatBeam

2005 Running
Test Beam Group
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2005 TestBeam Running

- The test beam run in the period January 7 to July 23, 2005 for BESIII sub-detectors.
- (1) The beam test of the TOF detector tested the packing sheet of scintillator.
- (2) A unit of EMC measured the electron-magnetic shower response
- (3) The MDC working parameters was selected, such as the threshold of charges, a noise suppress et al.
- And the RPC acquired some data for the efficiency measurement under high background,
- also, the associated test of electronics was performed for all BESIII all sub-detectors.







questions and analysis

- (1) The count rate is increase in the LINAC running 25Hz;
- (2) The MWPC with induced strips readout (4.2mm / strip) is poor to separate multihit events;
- (3) The end planes aperture of air Cherenkov counter is fai 50mm, what with the electron beam scatter on the end planes, so as to increase the background in experiment area.

Test Beam Planning – Update

- Next running season the update was required as a plan drift chamber test for double particle separation, the strip electrode will be installed and test on the electron beam line.
- YAC (Yangbajing Air shower Core) Detector Calibration. The beam test required electron beam intensity about 10^2 - 10^6 electrons per pulse.
- The GEM chamber groups in Tsinghua University and IHEP require a beam test.