

MiniSPD - cosmic muon testing facility

Monday, 11 October 2021 11:00 (15 minutes)

MiniSPD is setup for cosmic muon tests. MiniSPD includes most of types of detectors that will be used in SPD detector . Detectors and readout electronics for the NA64 experiment were used as the main test object. The MiniSPD setup includes a scintillator trigger system, straw, silicon and GEM trackers, an electromagnetic calorimeter, and a lead filter to remove low energy components of cosmic rays. Also, the main goal of MiniSPD was to measure such important parameters of prototypes of detectors as spatial and time resolution, efficiency, drift characteristics, gas gain, data acquisition parameters, implementation of slow control and features of online monitoring systems. The data from the stand can be used for further preparation of the infrastructure of the beam zone, also to study of such systems as power supply, climate control systems, etc.

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