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A teststation for submodules of the forward endcap of the PANDA electromagnetic calorimeter

The forward endcap of the electromagnetic calorimeter of the PANDA experiment is currently being constructed. Its crystals are grouped into submodules consisting of 16 or 8 crystals each. Before these modules are mounted in the detector careful testing is needed and a pre-calibration will be performed at -25°C , the defined working temperature of the detector.

A teststation has been developed using cosmic particles transversing the PbW04-crystals. Cosmic events are selected by two compact trigger detectors. Each of them contains a 4x4 array of scintillators, which are read out by silicon photomultipliers (SiPMs). The poster presents the setup of the teststation discussing in detail the different electronic components used.

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