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【386】 The SND@LHC data acquisition system

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The SND@LHC (Scattering and Neutrino Detector at the LHC) is a recently approved neutrino and feebly interacting particles search experiment, based at CERN.

It is located 480 m away from the ATLAS interaction point and consists of a target region built of emulsion-tungsten walls interleaved by scintillating fibre planes, a hadronic calorimeter built of scintillating bars and iron absorbers, and a muon identification system.

All scintillators are read out by silicon photomultipliers and a custom read-out electronics based on the TOF-PET2 ASIC, allowing for signal discrimination and amplitude and time measurement.

The talk will discuss the structure of the data acquisition system and on the amplitude and time measurement performance.

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