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EAS arrival direction reconstruction in the ENDA-INR experiment

The prototype of the ENDA (Electron Neutron Detector Array) cluster was created on the territory of the INR RAS in Moscow (ENDA-INR). It consists of 16 electron-neutron detectors (en-detectors) and using to study EAS (Extensive Air Showers) with energy above 1 PeV. Its purpose is testing the registration methods and methods for signal processing. The paper describes the detectors calibration method, the array fast timing estimation, an algorithm for reconstruction the shower arrival direction and some preliminary results obtained from experimental series.

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