

Techniques for data analysis and primary mass reconstruction in the ENDA experiment

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As part of the high-altitude LHAASO project, ENDA (Electron Neutron Detector Array) is being created in China. The concept of the ENDA consists in simultaneous registration of the electromagnetic and thermal neutron components (being a part of hadronic component) of the EAS. The report provides a brief overview of analytical and ML (Machine Learning) methods for shower and primary particle parameters reconstruction for simulation data. Also methods for estimation the uncertainty of such reconstruction is presented.

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