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Towards the estimate of sensitivity of Telescope Array to chemical composition of cosmic rays

Abstract content

We use a public available library of extensive air showers simulated without thinning for the realistic setup of Telescope Array experiment (TA) to outline the distributions of observables available at ground array part of TA. These distributions are analysed to estimate the size of physical fluctuations which allows to choose the observables most sensitive to energy and chemical composition of cosmic ray primaries. Preliminary results will be presented at the conference.

If this papers is presented for a collaboration, please specify the collaboration

Summary

Reference

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