EPJ Web of Conferences **52**, 04009 (2013) DOI: 10.1051/epjconf/20135204009 © Owned by the authors, published by EDP Sciences, 2013

First results of the SPHERE experiment

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Abstract. First results of the balloon-borne experiment SPHERE are presented. The primary spectrum in the energy range $10^{16} - 5 \cdot 10^{17}$ eV is compared with data of other experiments. The primary energies were reconstructed using characteristics of the Vavilov-Cherenkov radiation from extensive air showers, reflected from a snow surface.

Slides

The slides of the talk can be found on the website of the symposium ISVHECRI 2012: https://indico.desy.de/conferenceOtherViews.py?view=standard&confId=4594

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