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Review of investigations of muon bundles generated by very-high energy cosmic rays

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Autumn 2018, the working group WHISP had compiled the results of various experiments in which cosmic ray muon bundles were registered. In some experiments, an excess of the number of muons is observed in comparison with Monte-Carlo simulations with different hadronic interaction models at energies of primary nuclei above 10 PeV. However, not all experiments showed an excess. We present a review of methods for detecting muon bundles by various installations which data were investigated by WHISP group.

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