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Meteorological effects of muon component at the mountain muon detectors.

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Temperature effect of mountain muon detectors which exceeds a little that expected theoretically, was studied in this work. Meteorological effects of such detectors have their own peculiarities and practically were not investigated before. Data from multidirectional detectors YangBaJing, Moussala, Bure, Mt. Hermon, Yerevan (2000 m) were used for calculations from the created in IZMIRAN database of muon detectors mddb. To exclude model dependence the meteorological effects were studied by different methods.

Collaboration

– not specified –

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