

## Muon multiplicity spectrum as measured by Baksan Carpet-2 array

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**Abstract.** A study of muon multiplicity spectrum has been performed using a new 175 sq. m. muon detector of the Baksan Carpet-2 Air Shower Array. Some interesting features of the spectrum in the knee region will be discussed. Experimental data are compared with results of Monte - Carlo

simulations by means of CORSIKA codes. An estimation of the effective atomic number of primaries is given derived both from measured and calculated parameters.

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