

## MUON MULTIPLICITY SPECTRUM AS MEASURED BY BAKSAN CARPET-2 ARRAY

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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.