

# EAS SPECTRUM vs $n_\mu(E > 220 \text{ GeV})$ IN THE ENERGY RANGE $10^{15} - 10^{17} \text{ eV}$

V.N. Bakatanov, Yu.F. Novosel'tsev<sup>1</sup>, R.V. Novosel'tseva

Institute for Nuclear Research, Russian Academy of Sciences,  
60th October Anniversary Prospect, 7a, 117312 Moscow, Russia

## ABSTRACT

EAS spectrum vs  $n_\mu(E \geq 220 \text{ GeV})$  in the range  $75 \leq n_\mu \leq 4000$ , obtained at Baksan Underground Scintillation Telescope, is presented. The data agree better with the assumption that the energy of the "knee" in the energy spectrum of primary cosmic rays increases with the charge of primaries.

PACS: 95.30.-k, 96.40.De, 96.40.Tv

Keywords: Cosmic rays; Energy spectrum; Mass composition; Underground muons

---

<sup>1</sup>E-mail: [novoseltsev@neutr.novoch.ru](mailto:novoseltsev@neutr.novoch.ru)