

STUDY OF NEUTRON BURSTS WITH BAKSAN ARRAY

Yu. V. Stenkin (1), V. N. Bakatanov (1), D. V. Smirnov (1), D. V. Novikov (1), D. D. Djappuev (1), A. U. Kudjaev (1), S. Kh. Ozrokov (1) and J. F. Valdés-Galicia (2)

(1) Institute for Nuclear Research of Russian Academy of Sciences, Moscow 117312, Russia, (2) Instituto de Geofísica, UNAM, México D.F., México.

`stenkin@sci.lebedev.ru`

An experiment has been performed using Baksan Carpet-2 Air Shower Array to study so called neutron bursts in Extensive Air Showers. Some evidences for existence of such events with very high neutron multiplicity in a Neutron Monitor triggered by EAS array were published last years. We also confirm the existence of such events and give a natural explanation for them, laying mostly in a field of well-known nuclear physics.