

Measuring Muon-Induced Fast Neutrons at the Baksan Underground Scintillation Telescope

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An estimation of the fast neutron flux in an underground laboratory excavated under about 320 m of rock has been performed on a data set acquired during the 2001-2015 years. A neutron background measurement relies on the production of a cosmogenic nuclide ^{12}B by fast neutrons in an organic scintillator. The estimated full fluxes of neutrons agree with results of Monte-Carlo simulation.

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