PRODUCTION OF PROTONS, DEUTERONS, TRITONS IN ARGON-NUCLEUS INTERACTIONS AT 3.2 AGeV

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First physics results of the BM@N experiment at the Nuclotron/NICA complex are presented on studies of proton , deuteron and triton production in interactions of an argon beam with fixed targets of C, Al, Cu, Sn and Pb at 3.2 AGeV. Transverse mass distributions, rapidity spectra and multiplicities of protons, deuterons, tritons are measured. The results are treated within a coalescence approach and compared with predictions of theoretical models and with other measurements.