

**DEFINITION OF THE ABSOLUTE ENERGY OF BEAM PARTICLES
FROM TANDEM EGP-10K BY MEANS OF γ -SPECTROMETRY**

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The attachment of absolute energy of proton beam from tandem EGP-10K to the nuclear magnetic resonance (NMR) frequency of field device put in rotated magnet-analyzer SP-88 has been made. The determination of beam energy was made with the aid of $^{89}\text{Y}(p, n)^{89}\text{Zr}$ reaction, where the threshold is 3656 keV. 587 keV level from decay of ^{89}Zr was used for identification of the reaction. It was determined that NMR frequency $f = 16253,5^{+4,8}_{-8,3}$ Kc/s corresponds to 4272 KeV proton energy.