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New detection systems at U-120M cyclotron

Intensive, high energy neutron beams with energies up to 33 MeV are produced using cyclotron driven broad-spectrum and quasi-monoenergetic neutron generators at the NPI. The neutron beams are well characterized with the TOF and PRT measurements.

The detection system of the charged particles from the (n,cp) reactions and the system for the detection of direct and delayed gammas produced in the reaction with neutrons are being developed.

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