

**Proton 36 MeV, 0.5 mA Linac ISTR-36 as a Driver
Multipurpose Irradiation Test Facility,**

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R.M. VENGROV, ITEP - The choice of the linac ISTR-36 parameters at upgrading the beam intensity from 2 μ A up to 0.5-5 mA range at achieved 150 mA pulse current is described. The 36 MeV beam will be directed to Be target in the centre of subcritical assembly creating the first doing model of transmutation plant. It will allow to check practically different arrangements of blanket and control techniques of regimes for such the linac and subcritical reactor complex. The physical experiments, irradiation of materials and production medical radionuclides using the proton and neutron beams of different energies are provided. It is shown present-day state and plans for realization of the next stages of project.