UPGRADE PLANS FOR EPSILON DIFFRACTOMETER

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The TOF diffractometer Epsilon at the beamline 7a of the IBR-2 reactor dedicated to the high resolution measurements of applied and residual straines of geological ssamples and functional materials.
In this report we presents the current status of the instrument and upgrade plans till restart of the IBR-2 reactor in September, 2023
It includes an installation of focusing part of neutron guide, substitution of λ-choppers for vacuum tube, upgrade of uniaxial press and installation of new furnace.