

Dubna Research Reactors: A Look into the Future

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Abstract

The concept of a new pulsed reactor NEPTUN (serial number IBR-3) is presented, which in terms of its parameters is superior to the existing pulsed sources, as well as to those which are being constructed, for research on extracted beams. A scientific program, the implementation of which is difficult or impossible with existing sources, as well as the infrastructure for supporting experiments, are briefly discussed.