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THE FIRST CRITICAL EXPERIMENT WITH A NEW TYPE OF FUEL ASSEMBLIES IRT-3M ON THE TRAINING REACTOR VR-I

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ABSTRACT

Paper "The first critical experiment with a new type of fuel assemblies IRT-3M on training reactor VR-1" presents basic information about the replacement of fuel on the reactor VR-1 run on FJFI CVUT in Prague. In spring 1997 the IRT-2M fuel type used till then was replaced by the IRT-3M type. When the fuel was replaced, no change in its enrichment was made, i.e. its level remained as 36% ^{235}U .

The replacement itself was carried out in tight co-operation with the Nuclear Research Institute Rez plc., as related to the operation of the research reactor LVR-15.

The fuel replacement on the VR-I reactor is a part of the international program RERTR (Reduced Enrichment for Research and Test Reactors) in which the Czech Republic participates.

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