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FUEL CONVERSION OF JRR-4 FROM HEU TO LEU

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Introduction

Name; JRR-4 (Japan Research Reactor No.4)

Type; Swimming pool type, Light water moderated and cooled, ETR type fuel used

Purposes; Shielding experiments, RI production, Neutron activation analyses, Si doping, Reactor school students training

First critical; January 28, 1965

Maximum thermal power; 3.5MW

Standard core; 20 Fuel elements, 7 control rods 5 Irradiation holes, Neutron source, Graphite reflectors

Available thermal flux; 7×10^{13} n/cm²/s

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