

Research reactor JRR-3 restart !! -Invitation to the various neutron utilization- 研究炉 JRR-3 運転再開!! — その多彩な中性子利用について —

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The research reactor JRR-3 submitted an application for a modification of the installation permit to confirm compliance with the new regulatory standards on September 26, 2014, and received the permit on November 7, 2008, after an examination that lasted about four years. Subsequently, over a period of about two years from April 1991, the plant completed seismic reinforcement work, safety measures, and other work necessary to comply with the new regulatory standards, and passed all inspections by the Nuclear Regulation Authority, etc., to confirm the safety of the reactor, and resumed operation on February 26, 2021, for the first time in 10 years and 3 months. The facility resumed operation in July 2021, and a variety of neutron experiments have been actively conducted by researchers from inside and outside JAEA. In cooperation with the neighboring J-PARC, the facility is expected to contribute to the development of cutting-edge science and technology and industry as a world center of neutron science. In this talk, we will introduce JRR-3, which has restarted its operation after 10 years, and its various neutron applications.

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