Aushang

Einladung zum Zusatzseminar

Zeit: Montag, 09. Oktober 2023, 11:00 Uhr

Ort: Karlsruher Institut für Technologie, Hermann-von-Helmholtz-Platz 1
76344 Eggenstein-Leopoldshafen, INR, Bau 521, Kolloquiumsraum (R. 302)

Referent: Herr Professor Dr. Yasushi Saito, Institute for Integrated Radiation and Nuclear Science, Kyoto University

Titel: Current Status of Neutron Imaging and Neutron Source in Japan
Construction plan of a new research reactor

Abstract:

Research reactor is a basic facility that serves as a stronghold for neutron science and education. At present in Japan, there are only two general-purpose research reactors that can utilize both neutron irradiation and neutron beams: JRR-3 of Japan Atomic Energy Agency (JAEA) and KUR of Kyoto University Institute for Integrated Radiation and Nuclear Science (KURNS). However, KUR is scheduled to shut down in 2026, due to the Japan-US agreement. Therefore, it would be very difficult to meet the needs of neutron utilization. In addition, in 2016, the Japanese Government has decided to decommission the Prototype Fast Breeder Reactor “Monju” and released a document titled "Relationship with the local governments after the decision on the decommissioning of Monju.

Under these circumstances, a new research reactor will be constructed at the site of Monju in Fukui Prefecture. In close collaboration with JAEA, University of Fukui, and KURNS will lead the planning and implementation of the development of advanced experimental equipment and the establishment of an efficient operation system for the new research reactor. This presentation introduces the current status of neutron imaging at steady/pulsed neutron sources and the research reactors/accelerator-based neutron sources in Japan.

gez. R. Stieglitz

Hinweis: Alle auswärtigen Besucher des Seminars werden gebeten, ihren gültigen Personalausweis oder Reisepass mitzubringen.