H2020-ARIEL

Hands-on school on nuclear data from Research Reactors

Organized by Centre for Energy Research & Budapest University of Technology and Economics, Budapest, Hungary

Date:
25-29 September 2023

Location:
Budapest, Hungary

International Advisory Board:

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Topics:
- Introduction to the nuclear data & application
- Radiations & their interactions with materials
- Radiation measurements
- Theory of reactor operation and experimental stations
- Radiative neutron cross section measurements in n-beams (comparator method)
- Neutron damage of materials
- Neutron flux measurements with threshold detectors, integral experiments
- n-induced fission prompt gamma-ray measurements, simulation of neutron capture γ-ray spectra
- Practise of Nuclear data libraries

Secretariat:
E-mail: ariel.bpschool@bnc.hu
More info: www.bnc.hu; www.ek-cer.hu, reak.bme.hu/en/
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Accelerator and Research reactor Infrastructures for Education and Learning

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