

2nd Fusion Neutronics Meeting 2026

Monday, 8 June 2026 - Friday, 12 June 2026

Karlsruhe Institute of Technology, Campus north

Scientific Programme

Fusion reactor design and safety

Facility nuclear design challenges

Radiation mapping

Breeding blanket optimisation

Activation-related issues

Occupational radiation exposure and ALARA

Radioactive waste management

Neutron source facilities design and exploitation

Performance evaluation

Neutron/gamma diagnostics and calibration

Neutronics tools, nuclear data and workflow integration

Geometry, radiation transport, activation, multiphysics tools.

Uncertainty quantification.

Variance reduction for MC.

Nuclear data development and experiments

Benchmarking and V&V

AI and ML use for neutronics

Others

Neutronics Strategies, Workforce and Knowledge Base management