

Session Program

8-12 Jun 2026

2nd Fusion Neutronics Meeting 2026

Poster Session

Karlsruhe Institute of Technology, Campus north, FTU
Hermann-von-Helmholtz-Platz 1, 76344 Eggenstein-Leopoldshafen

Monday 8 June

17:00

Poster Session

Session |

Location: Karlsruhe Institute of Technology, Campus north, FTU, Hermann-von-Helmholtz-Platz 1, 76344 Eggenstein-Leopoldshafen

17:00-18:00

W7-X neutronics simulations for new neutron diagnostics with application to fast-ion confinement

Speaker

Riccardo Brambilla

17:00-18:00

OPERA: Advanced Radiation Transport Solution with CAD Integration and Hybrid Methodologies

Speaker

Jean-Christophe Trama

17:00-18:00

Closed-Form and Machine-Learned Surrogates for Determining Impurity Limits and Operating Windows in Low-Activation Fusion Materials

Speaker

Jhovanna Garcia

17:00-18:00

MCNP Simulation of gamma background in the ITER Radial Gamma Ray Spectrometer

Speaker

Stefano Colombi

17:00-18:00

Comparative Analysis of Activated Corrosion Products in Key Systems of a Burning Plasma Experimental Tokamak

Speaker

Chen Yang

17:00-18:00

Shielding Optimization for a Neutron Source Using Monte Carlo Methods

Speaker

Sara Abad Jiménez

17:00-18:00

Addition of a 1D multi-group neutron diffusion model to the fusion systems code PROCESS

Speaker

Mr Christopher Ashe

17:00-18:00

Neutronic analyses for the shielding design of the DTT Neutral Beam Injector Transmission Line

Speaker
Samuele Castegnaro

17:00–18:00 **Differentiable deterministic neutronics for stellarator design**

Speaker
Timo Bogaarts

17:00–18:00 **Radioisotope Production in the Volumetric Neutron Source Tokamak**

Speaker
Christopher Ehrich

17:00–18:00

Nuclear Analysis of the High Resolution Neutron Spectrometer (HRNS): Activation and Radioactive Waste Assessment

Speaker
Dr Anna Wójcik-Gargula

17:00–18:00

Characterization of the irradiation cavity of the GENEuSIS Neutron Assembly

Speaker
Marta Damiano

17:00–18:00

Neutronic and Structural Optimization of a Novel Pin-Type HCPB Breeding Blanket for the DEMO LAR

Speaker
Jin Hun Park

17:00–18:00

Recent Developments in Fusion Neutronics Capabilities of the Reactor Monte Carlo code RMC

Speaker
Mr Kok Yue Chan

17:00–18:00

AI-based Program for Nuclear Design and Safety Evaluation - TopMC

Speaker
Shanqi Chen

17:00–18:00

Neutron flux characterisation inside the inner irradiation Snail head of the KATANA facility

Speaker
Dr Domen Kotnik

17:00–18:00

Isomeric Branching and GENDF XS in OpenMC Deplete

Speaker
Perry Young

18:00