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Datum: 11.05.2026

Aushang

Einladung zum Seminar über „Nukleare Energieerzeugung“

Zeit: **Montag, 15. Juni 2026, 11:00 Uhr**

Ort: Karlsruher Institut für Technologie, Hermann-von-Helmholtz-Platz 1
76344 Eggenstein-Leopoldshafen, INR, Bau 521, Raum 302

Referent: **Herr Dr. Roberto Capote,**
Former Deputy Section Head, IAEA Nuclear Data Section (2004-2026)
@Suncoast Data Evaluation, Miami, FL, USA

Titel: Challenges in nuclear data for fusion and radionuclide production

Abstract:

A review of current status of nuclear data for fusion and radionuclide production is presented. The Fusion Evaluated Nuclear Data Library (FENDL) has supported fusion research and technology for more than three decades under the auspices of the IAEA Nuclear Data Section. The FENDL library is prepared and validated based on contributions from major international libraries: ENDF/B, JEFF, JENDL, CENDL, and BROND. With the recent release of FENDL-3.2c, the library continues to be recommended for fusion applications and ITER. We review issues in current FENDL evaluations and suggest prospective candidates for updating the FENDL library coming from the IAEA International Nuclear Data Evaluation Network (INDEN) which has been already adopted by ENDF/B-VIII.1 and JEFF-4 recent releases. Additional issues motivating future development are highlighted for charged-particle induced reactions and activation libraries. Status of nuclear data for radionuclide production is also reviewed with focus on accelerator production of selected radionuclides with increasing medical applications.

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