

5th UPM/CEIDEN Workshop on “Impact of recent nuclear data evaluations on energy and non-energy nuclear applications”

May 23, 2023

Universidad Politécnica de Madrid

Instituto de Fusión Nuclear “Guillermo Velarde”

ETS de Ingenieros Industriales de Madrid, Madrid, Spain

The aim of this Workshop is to bring together users and developers in the field of nuclear data and reactor physics to discuss and exchange our expertise on the performance of recent nuclear data evaluations both in energy and non-energy nuclear applications. **In particular, participants are encouraged to present comparisons and results using recent evaluations such as JEFF-3.3 (2017), ENDF/B-VIII.0 (2018), TENDL2021 (2021) and JENDL-5.0 (2021).** It could be a good opportunity for identifying areas of future developments and cooperation among the participants.

The workshop will serve to identify research topics and challenges in nuclear data life cycle such as:

- Nuclear data processing pipeline
- Experimental nuclear data – nuclear data models
- Checking, verification
- Processing and benchmarking
- Validation of nuclear data
- Nuclear data adjustment. Sensitivity Analysis/Uncertainty Quantification

The workshop scope will cover applications of interest for users of nuclear data:

- Nuclear criticality and safety, depletion/burnup calculation, back-end fuel, waste management
- Fission: new reactor designs, MSRs, SMRs, etc...
- Fusion: magnetic (e.g. ITER, DEMO), inertial (e.g. NIF, IFE)
- Accelerators (e.g. IFMIF/DONES, etc...)
- Non-energy applications (e.g. medical applications, etc...)

Registration: by e-mail to: oscar.cabellos@upm.es. **This is a no-fee Workshop!**
Workshop will be conducted video-conference (Zoom) for those attendants who participate on line

Agenda: May 23, (Tuesday) 2023
9:00h-12:30h (Detailed agenda will be made available in due course)
Oral presentations: Participants interested in making oral presentations should notify the contact person and submit the title before April 8th, 2023.

Venue: Instituto de Fusión Nuclear “Guillermo Velarde”.
ETS de Ingenieros Industriales de Madrid
C/Jose Gutierrez Abascal, 2. 28006 Madrid (Spain)

Organizing committee: Oscar Cabellos (UPM), oscar.cabellos@upm.es
INGENIA/NUCLEAR-2023 Team

Technical committee: Oscar Cabellos (UPM) and Pablo. T. León (CEIDEN)