About the IAEA

Founded in 1957 as the “Atoms for Peace” organization of the United Nations.

Nuclear Data Section

Work on nuclear data libraries:
http://www-nds.iaea.org/

Data Evaluation

Joint IAEA-ITAMP Technical Meeting on Uncertainty Assessment for Theoretical Atomic and Molecular Scattering Data, Cambridge, MA, 7-9 Jul 2014

Meeting on A+M+PMI data for fusion

Decennial IAEA Technical Meeting on Atomic, Molecular and Plasma-Material Interaction Data for Fusion Science and Technology, Daejeon, 15-19 Dec 2014

Department of Nuclear Applications

IAEA Departments
- Nuclear Applications
- Nuclear Energy
- Safeguards
- Technical Cooperation

IAEA Nuclear Sciences and Applications

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Atomic and Molecular Data Unit

www-amdis.iaea.org

ICTP Workshop on PMI

2014 Joint ICTP-IAEA Conference on Models and Data for Plasma-Material Interaction in Fusion Devices, ICTP, Trieste, 3-7 Nov 2014

Coordinated Research Projects

- Spectroscopic and Collisional Data for Tungsten from 1 eV to 20 keV (2010-2015)
- Atomic and Molecular Data for State-Resolved Modelling of Hydrogen and Helium and Their Isotopes in Fusion Plasma (2011-2016)
- Plasma-wall Interaction with Reduced-activation Steel Surfaces in Fusion Devices (2015-2019/2020)
- Data for Neutral Beam Processes in Fusion Plasma (tentative for 2016+)
Work on A+M (+PMI) Data...

- Our tools: meetings, consultancies, coordinated research projects and the IAEA good name.
- Encourage data development and evaluation.
- Scientific challenge: uncertainty assessment for calculated collision data.
- Organizational challenge: database management with widely distributed sources.
- Social challenge: Strengthening the network of researchers working on A+M data for fusion.

Welcome to this 2nd week workshop!