## **Recent Activities in Atomic and Molecular Data at the IAEA**

C. Hill, K. Heinola

International Atomic Energy Agency, Vienna, Austria

The Atomic and Molecular Data (AMD) Unit [1], in the Nuclear Data Section of the IAEA, is dedicated to the provision of evaluated data on atomic, molecular and plasma-material interaction that are relevant for nuclear fusion research. In addition to hosting Technical Meetings of experts to address specific data needs, the AMD Unit also organizes 3-4 year long Coordinated Research Projects (CRPs) to facilitate collaborative research between 10-15 research groups with the aim of producing and evaluating data within a focused domain. Ongoing CRPs that will be discussed are:

- Data for Atomic Processes of Neutral Beams in Fusion Plasma (2017 present) [2]
- Atomic Data for Vapour Shielding in Fusion Devices (2019 present) [3]

The AMD Unit has also initiated the Global Network for the Atomic and Molecular Physics of Plasmas (GNAMPP) [4], a consortium of research groups working in the area of fundamental atomic and molecular physics relevant to plasma processes. In bringing together theoreticians, experimentalists and fusion plasma modelers, GNAMPP provides a forum for the evaluation, validation and dissemination of data, the benchmarking of relevant modelling codes and the formulation of research guidelines and priorities.

## References

- [1] https://www-amdis.org/
- [2] https://www-amdis.org/CRP/neutral-beams
- [3] https://www-amdis.org/CRP/vapour-shielding
- [4] https://www-amdis.org/GNAMPP/