1st Research Coordination Meeting (RCM) of the CRP on

Updating the Photonuclear Data Library and Generating a Reference Database for Photon Strength Functions

IAEA Headquarters, Vienna, Austria
4-8 April 2016
Meeting Room VIC C0454

Preliminary AGENDA

Monday, 4 April

08:30 - 09:30   **Registration** (IAEA Registration desk, Gate 1)

09:30 - 10:00   **Opening Session**

Welcoming address (Meera Venkatesh, Director NAPC)
Introduction (Paraskevi Dimitriou, Scientific Secretary)
Election of Chairman and Rapporteur
Adoption of Agenda
Administrative matters

10:30 - 12:30   **Presentations by participants (about 40 min each)**

1. *Gamma-ray Strength Functions: The Stone Age at BNL*, J. Kopecky, JUKO Research, The Netherlands
2. *Total and partial photoneutron cross section measurements by direct neutron-multiplicity sorting,* H. Utsunomiya, Konan University, Japan
3. *Evaluation of partial and total photoneutron reactions cross sections using new objective physical data reliability criteria,* V.V. Varlamov, Moscow State University, Russian Federation

Coffee break as needed

12:30 – 14:30   ***Lunch***

14:30 – 18:00   **Presentations by participants (cont'd)**

4. *Evaluation of photonuclear data library by taking into account new experimental data and evaluation methodologies,* N. Iwamoto, JAEA, Japan
5. *Update of the photonuclear cross sections,* Y-S. Cho, KAERI, S. Korea
6. *Analysis and evaluation of photoreaction data,* D. Filipescu, IFIN-HH/ELI-NP, Romania
7. *Evaluation for Photonuclear Cross Sections and γ-Ray Strength Functions at CIAE,* R. Xu, CIAE, China

Coffee break as needed

Tuesday, 5 April

09:00 - 12:30   Presentations by participants (about 40 min each)

8. *E1 and M1 Strength Functions at Low Energy*, R. Schwengner, HZDR, Germany
9. *M1 Photon Strength Function and Capture Cross Section for Deformed Nuclei*, T. Kawano, LANL, USA
10. *Development of formats for a Photon Strength Function database and evaluation of thermal neutron capture photon strengths,* R. Firestone, University of California, Berkely, USA
11. *Update of and measurement for the PGAA Data Library for Photon Strength Functions and Development of Prompt Gamma-ray Spectrum Modelling,* T. Belgya, CER / Hungarian Academy of Sciences, Hungary

Coffee break as needed

12:30 – 14:00   Lunch

14:00 – 18:00   Presentations by participants (cont'd)

12. *Microscopic description of the photon strength function*, S. Goriely, Université Libre de Bruxelles, Belgium
13. *Improvements and Testing Practical Expressions for Photon Strength Functions of E1 Gamma-Transitions,* V. Plujko, Taras Shevchenko National University, Ukraine
14. *Photon strength functions below the separation energies – challenges and opportunities,* M. Wiedeking, iThemba LABS, S. Africa
15. *Photon strength function measurements at the Oslo Cyclotron*, S. Siem, University of Oslo, Norway
16. *Computer code DICEBOX and gamma-ray strength functions from coincidence measurement of photons emitted in radiative neutron capture,* M. Krticka, Charles University in Prague, Czech Rep.

Coffee break as needed

19:00   Dinner in a restaurant (see separate information)

Wednesday, 6 April

09:00 - 12:30   Round Table Discussion

17. *Updated RIPL Discrete Levels Segment,* M. Verpelli (IAEA), 15 min
18. *Overview of Scope of CRP-Introduction to discussion,* P. Dimitriou (IAEA), 15 min

Coffee break as needed

12:30 – 14:00   Lunch

14:00 – 18:00   Round table discussion (cont'd)

Coffee break as needed

Thursday, 7 April

09:00 - 12:30   Round Table Discussion

Coffee break as needed

12:30 – 14:00   Lunch

14:00 – 18:00   Round table discussion (cont'd)

Coffee break as needed

Friday, 8 April

09:00 - 12:30   Drafting of the meeting summary report

Coffee break in-between

13:00   Closing of the meeting

Topics for Discussion

- Individual work plans

- Work needed for updating the Photonuclear Data Library in addition to individual work plans: nuclides that have not been assigned, neutron spectra, angular distributions, Atlas of GDR parameters etc

- User friendly interface for Photonuclear Data Library

- Content, structure and formats for new Photon Strength Function Database

- Actions/assignments