



Consultants' Meeting on

## **R-Matrix Codes for Charged-Particle Reactions in the Resolved Resonance Region**

5-7 December 2016

A24-11, IAEA Headquarters, Vienna, Austria

### **PROVISIONAL AGENDA**

#### **Monday, 5 December**

**08:30 – 09:00                      Registration (IAEA Registration Desk, Gate 1)**

**09:00 – 09:30                      Opening Session**

Welcoming address

Administrative matters

Election of Chairman and Rapporteur

Adoption of the Agenda

**09:30 – 17:00                      Presentations by participants**

- 1) Short review of project, goals and current status (P. Dimitriou, IAEA)
- 2) Theory and Tools for R-matrix Fitting (I. Thompson, LLNL)
- 3) R-matrix needs in Nuclear Astrophysics (R. DeBoer, Notre-Dame U.)
- 4) Recent progress of an R-matrix code (S. Kunieda, JAEA)
- 5) A Modern Theoretical Approach to the R-matrix and the coming EDA6 Los Alamos implementation (M. Paris, LANL)
- 6) SAMMY modernization, generalized Reich-Moore approximation and its relevance to unitarity and alternative R-matrix parametrization of Brune (G. Arbanas, ORNL)
- 7) An Adaptive R-Matrix Approach for Light Nuclei (T. Srdinko, TUW)
- 8) Evaluation of  $^{17,18}\text{O}(\alpha, n)$  reaction (M. Pigni, ORNL)- Skype connection
- 9) ? (Z. Chen, Tsinghua University)

*Coffee break(s) as needed*

**(12:30 – 13:30 Lunch break)**

## **Tuesday, 6 December**

**09:00 – 17:30                Round Table Discussion**

*Coffee break(s) as needed*

***(12:30 – 14:00 Lunch break)***

***19:00 Dinner at a local restaurant (see separate information in folder)***

## **Wednesday, 7 December**

**09:00 – 13:00                Round Table Discussion cont'd - Drafting of the Summary Report**

**Closing of the Meeting**

*Coffee break as needed*