



IAEA Technical Meeting on
Benchmarking Experiments for Ion Beam Analysis

IAEA Headquarters, Vienna, Austria
26 – 29 May 2015
Meeting Room M0E03

Preliminary AGENDA

Tuesday, 26 May

08:30 – 09:30

Registration (IAEA Registration Desk, Gate 1)

09:30 – 10:00

Opening Session

Opening Remarks

Introduction: Objectives of meeting (P. Dimitriou)

Election of Chairman and Rapporteur

Discussion and Adoption of the Agenda (Chairman)

10:00 – 12:30

Presentations (40' incl. discussion)

- 1) A Review on the Methodology of Benchmarking Experiments: Assessment of Physical and Technical Problems, *Michael Kokkoris (NTUA)*
- 2) Accurate analysis using elastic backscattering together with benchmarking, *Chris Jeynes (Univ. Surrey)*
- 3) Benchmark test measurements of elastic backscattering cross sections measurements at RBI, *Iva Bogdanović Radović (RBI)*
- 4) Nuclear Reaction Analysis and other IBA techniques at ANSTO, *Rainer Siegele (ANSTO)*

12:30 – 14:00

LUNCH

14:00 – 18:00

Presentations (cont'd)

- 5) Proposal of a Methodology to Perform PIGE Benchmarking Experiments, *Adelaide Pedro de Jesus (FCT-Univ. Nova Lisboa)*
- 6) Planning PIGE Benchmarking Experiments at CMAM, *Alessandro Zucchiatti (CMAM)*
- 7) Assessment of experimental PIGE cross section data in the case of the $^{12}\text{C}(\text{d},\text{p}\gamma)^{13}\text{C}$ reaction, *Arpad Kiss (ATOMKI)*
- 8) Gamma-ray production cross sections and thick-target yields for the $^{14}\text{N}(\text{p},\text{p}'\gamma)^{14}\text{N}$ reaction, *Jyrki Räsänen (Univ. Helsinki)*
- 9) Benchmark test measurements of nuclear cross sections relevant for IBA at LABEC, *Massimo Chiari (LABEC-INFN Firenze)*
- 10) The bulk sample method in cross sections: measurement vs. benchmarking, *Nuno Barradas (IST-Univ. Lisboa)*

Coffee break as needed

Wednesday, 27 May

09:00 – 09:40

Presentation (cont'd)

11) Current Status of the Benchmarking Process, Scope, Complex Problems and Perspectives, *Michael Kokkoris (NTUA)*

09:40 – 12:30

Round Table Discussion

Topics to discuss:

- assess the current status of experimental and evaluated data
- outline the methodology for performing benchmarking experiments
- propose guidelines for validation of nuclear cross sections using benchmarked data (EBS, NRA, PIGE)
- produce a list of priority benchmark experiments (EBS, NRA, PIGE)
- data compilation and dissemination (IBANDL)

12:30 – 14:00

LUNCH

Coffee break as needed

14:00 – 17:30

Round Table Discussion (cont')

Coffee break as needed

19:00

DINNER at a restaurant in the city

Thursday, 28 May

09:00 – 12:30

Round Table Discussion (cont'd)

Coffee break as needed

12:30 – 14:00

LUNCH

14:00 – 17:00

Round Table Discussion (cont'd)

17:00 –

PIGE CRP Meeting

Coffee break as needed

Friday, 29 May

09:00 – 13:00

Round Table Discussion (cont'd)

Drafting of Actions - Report

Coffee break as needed

13:00

Closing