



International Atomic Energy Agency

First Research Coordination Meeting on

Reference Database for Neutron Activation Analysis

IAEA Headquarters, Vienna, Austria

3 – 5 October 2005

Meeting Room ACV-03-250

AGENDA

Monday, 3 October

08:30 – 09:20 **Registration** (IAEA registration desk, Gate 1)

09:30 – 10:00 **Opening Session**

Opening (Speaker to be announced)

Introductory remarks (A.Trkov)

Election of Chairman and Rapporteur

Discussion and adoption of the Agenda (Chairman)

Election of task co-ordinators

10:00 – 11:00 **Coffee break and Administrative Matters**

11:00 – 12:20 **Session 1: Presentations by participants**

(max: 15 min per presentation + 5 min discussion)

12:20 – 14:00 **Lunch**

14:00 – 15:30 **Session 2: Presentations by participants (cont'd.)**

(max: 15 min per presentation + 5 min discussion)

General Discussion

15:30 – 16:00 **Coffee break**

16:00 – 17:30 **Session 3: Definition of a proficiency test case**

Detector calibration

Neutron spectrum determination / monitor reactions

Gamma spectrum analysis

Processing of results

General Discussion

17:30 onwards Social event

Tuesday, 4 October

08:30 – 09:30 Session 4: Neutron spectrum determination

Conventional methods of NAA

Spectrum unfolding

Direct measurements

Computational methods

General Discussion

09:30 – 10:15 Session 5: k₀-IAEA software package

Detector calibration utilities

Spectrum processing utilities

Scope of software intercomparison with other products

Software extensions

General Discussion

10:15 – 10:45 Coffee break

10:45 – 12:15 Session 6: Specific features

Items drafted by chairman

12:15 – 14:00 Lunch

14:00 – 15:30 Session 7: Nuclear constants in relation to differential data

Relation between integral and differential data

Neutron self-shielding

Effective resonance energy

Gamma emission probabilities

15:30 – 16:00 Coffee break

16:00 – 17:30 Session 8: Criteria for determining the scope of new measurements

Needs and priorities

Available facilities

Available manpower

Wednesday, 5 October

08:30 – 10:15 Session 9: Task assignment and drafting of summary report

10:15 – 10:45 **Coffee break**
10:45 – 12:15 **Session 10: Task assignment and drafting of summary report**
12:15 – 14:00 **Lunch**
14:00 – 15:30 **Session 11: Review of the summary report**
15:30 **Closing of the meeting**

DRAFT

GUIDELINES

General:

- Please, check the NAA CRP web page <http://www-nds.iaea.org/naa/index.html> frequently for announcements and up-to-date information.
- For all administrative queries please contact Ms. Janet Roberts on J.Roberts@iaea.org.
- For technical matters please contact the technical officer of the project Andrej Trkov on A.Trkov@iaea.org. with a copy to Ms. Roberts.

Presentations:

- Oral presentations at the meeting are deliberately short.
- The presentations should *not* describe details of the theoretical advances, but primarily inform other participants (not necessarily experts in the specific field) on your planned contribution to the CRP.