



3<sup>rd</sup> Research Coordination Meeting on

***“Reference Database for Neutron Activation Analysis”***

IAEA Headquarters, Vienna, Austria  
17 – 19 November 2008

**Meeting Room A2313**

**AGENDA**

(As adopted at the meeting)

**Monday 17 November**

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

**09:30 - 10:15**     **Opening Session**

Welcome address – A.L. Nichols (Head, Nuclear Data Section)

Introductory Remarks – M.A. Kellett

Election of Chairman and Rapporteur

Discussion and Adoption of Agenda (Chairman)

Review of Tasks/Actions from the 2<sup>nd</sup> RCM

**10:15 - 11:00**     **Administrative Matters**

*Coffee break*

**11:00 - 12:30**     **Session 1: Presentations by Participants (All)**

(15 minutes for each presentation and 5 minutes for discussion)

**12:30 – 14:00**     *Lunch*

**14:00 - 15:30**     **Session 1 (cont'd): Presentations by Participants (All)**

(15 minutes for each presentation and 5 minutes for discussion)

General Discussion

**15:30 - 16:00**     *Coffee break*

**16:00 - 17:30**     **Session 2: Discussion of the Final Results of the Various Test Cases (All)**

Gamma spectrum analysis/peak area determination

Detector efficiency calibration

Materials analysis (SMELS)

General Discussion of what can be used in the Final IAEA Technical Report

## Tuesday 18 November

- 09:00 - 10:15**     **Session 3: Recommended use of Differential Data (A. Trkov)**  
Relation between integral and differential data  
Neutron spectrum determination / monitor reactions  
Using differential data to calculate macroscopic NAA quantities, calculational method description, associated problems, etc.  
Recommended differential data and an appropriate database  
General Discussion
- 10:15 – 10:45**     *Coffee break*
- 10:45 – 12:15**     **Session 4:  $k_0$ -IAEA Software Package (M. Blaauw)**  
Recent developments  
Recommended use  
General Discussion
- 12:15 – 13:30**     *Lunch*
- 13:30 – 17:30\***     **Session 5: Contents of the Final IAEA Technical Report and Chapter assignment, Outputs (Database(s)) (All)**  
Introduction/Conclusions/Recommendations (M.A. Kellett, ...)  
Evaluated Gamma-ray Activation File (R.B. Firestone)  
Recommended  $k_0$  ( $Q_0$ ,  $\sigma_0$ , half-life, ...?) values (F. de Corte, Z. Révay, ...)  
Description of the computational method and recommended microscopic cross-sections (A. Trkov, ...)  
Recommended software,  $k_0$ -IAEA and/or others, and “best practice” usage (M. Blaauw, ...)  
Recommended experimental procedures, pitfalls, etc. (Z. Révay, ...)  
General Discussion on the Final Report, Outputs and Timescales/Deadlines
- \*15:30 – 16:00**     *Coffee break*
- 19:00**                 *Dinner at the “Zur Goldenen Glocke” Restaurant*

## Wednesday 19 November

- 09:00 - 10:30**     **Session 6: Review of Tasks/Actions (All)**
- 10:30 – 11:00**     *Coffee break*
- 11:00 – 12:30**     **Session 7: Drafting of the Recommendations for the Final Report (All)**
- 12:30 - 14:00**     *Lunch*
- 14:00 – 15:30**     **Session 8: Drafting of the 3<sup>rd</sup> RCM Summary Report (Rapporteur, All)**
- 15:30**                 **Close of the Meeting**