The Abdus Salam International Centre for Theoretical Physics

Workshop on Nuclear Data for Activation Analysis

Organizer(s): IAEA: M. Blaauw, A. Trkov, C. Tuniz; Local Organiser: B. Stewart
Trieste - Italy, 07 - 18 March 2005

Final programme

Monday, 7 March 2005 (Room:Adriatico Guest House Giambiagi Lecture Hall)

08:30 - 09:30	**REGISTRATION**
09:30 - 10:00	**A. Trkov** / *IAEA, Vienna* **OPENING**
10:00 - 10:30	--- Coffee Break ---
10:30 - 12:00	**A. Trkov** **Workshop overview**
12:00 - 14:00	--- Lunch Break ---
14:00 - 15:30	**A. Trkov** **Nuclear reactions and physical model of NAA**
15:30 - 16:00	--- Break ---

Tuesday, 8 March 2005 (Room:Adriatico Guest House Giambiagi Lecture Hall)

08:30 - 10:00	**A. Trkov** **Nuclear reactions and physical model of NAA**
10:00 - 10:30	--- Coffee Break ---

10:30 - 12:00	**M. Rossbach** / *IAEA, Vienna* **Overview of the variants of NAA methods**
12:00 - 14:00	--- Lunch Break ---
14:00 - 15:30	**M. Rossbach** **Major fields of NAA Applications**
15:30 - 16:00	--- Break ---
18:30 - 19:30	(Room: Adriatico Guest House Cafeteria) **SMALL RECEPTION**

Wednesday, 9 March 2005 (Room:Adriatico Guest House Giambiagi Lecture Hall)

08:30 - 10:00	**F. De Corte** / *Institute for Nuclear Science, Ghent* **Nuclear data for neutron activation analysis: needs, determination, status**
10:00 - 10:30	--- Coffee Break ---
10:30 - 12:00	**F. De Corte** **Nuclear data for neutron activation analysis: needs, determination, status**
12:00 - 14:00	--- Lunch Break ---
14:00 - 15:30	**M. Verpelli** / *IAEA, Vienna* **Introduction to computer system**
15:30 - 16:00	--- Break ---
16:00 - 17:30	(Room: Adriatico Guest House Informatics Lab.) **M. Verpelli** **Computer exercises**

Thursday, 10 March 2005 (Room:Adriatico Guest House Giambiagi Lecture Hall)

08:30 - 10:00	**Z. Revay** / *Hungarian Academy of Sciences, Budapest* **Neutron spectrum characterisation**
10:00 - 10:30	--- Coffee Break ---
10:30 - 12:00	**Z. Revay** **Neutron spectrum evaluation**
12:00 - 14:00	--- Lunch Break ---
14:00 - 15:30	**Z. Revay, A. Trkov** **Computer exercises on Neutron spectrum characterisation**
15:30 - 16:00	--- Break ---

16:00 - 17:30	(Room: Adriatico Guest House Informatics Lab.) **Z. Revay, A. Trkov** **Computer exercises on Neutron spectrum characterisation**

Friday, 11 March 2005 (Room:Adriatico Guest House Giambiagi Lecture Hall)

08:30 - 10:00	**B. Smodis** / *Institute 'Jozef Stefan', Ljubljana* **Radiochemistry for NAA**
10:00 - 10:30	--- Coffee Break ---
10:30 - 12:00	**B. Smodis** **Error propagation and quality assurance**
12:00 - 14:00	--- Lunch Break ---
14:00 - 15:30	**Presentations by participants**
15:30 - 16:00	--- Break ---
16:00 - 17:30	**Presentations by participants**

Monday, 14 March 2005 (Room:Adriatico Guest House Giambiagi Lecture Hall)

08:30 - 10:00	**R. Firestone** / *Lawrence Berkeley National Laboratory* **Physics of the gamma-spectrometry measurements**
10:00 - 10:30	--- Coffee Break ---
10:30 - 12:00	**M. Blaauw** / *Technical University of Delft* **Introduction to K0-IAEA software package**
12:00 - 14:00	--- Lunch Break ---
14:00 - 15:30	(Room: Adriatico Guest House Informatics Lab.) **M. Blaauw & R. Jacimovic** **Computer exercises**
15:30 - 16:00	--- Break ---
16:00 - 17:30	(Room: Adriatico Guest House Informatics Lab.) **M. Blaauw & R. Jacimovic** **Computer exercises**

Tuesday, 15 March 2005 (Room:Adriatico Guest House Giambiagi Lecture Hall)

08:30 - 10:00	**R. Jacimovic** / *Institute 'Jozef tefan', Ljubljana* **Sources of uncertainty**
10:00 - 10:30	--- Coffee Break ---

10:30 - 12:00	**R. Firestone** **High-accuracy detector calibration**
12:00 - 14:00	--- Lunch Break ---
14:00 - 15:30	(Room: Adriatico Guest House Informatics Lab.) **M. Blaauw & R. Jacimovic** **Computer exercises**
15:30 - 16:00	--- Break ---
16:00 - 17:30	(Room: Adriatico Guest House Informatics Lab.) **M. Blaauw & R. Jacimovic** **Computer exercises**

Wednesday, 16 March 2005 (Room:Adriatico Guest House Giambiagi Lecture Hall)

08:30 - 10:00	**M. Blaauw** **Coincidence summing-based detector calibration**
10:00 - 10:30	--- Coffee Break ---
10:30 - 12:00	**M. Blaauw** **Alternatives to the triple-comparator method for flux characterization**
12:00 - 14:00	--- Lunch Break ---
14:00 - 15:30	(Room: Adriatico Guest House Informatics Lab.) **M. Blaauw & R. Jacimovic** **Computer exercises**
15:30 - 16:00	--- Break ---
16:00 - 17:30	(Room: Adriatico Guest House Informatics Lab.) **M. Blaauw & R. Jacimovic** **Computer exercises**

Thursday, 17 March 2005 (Room:Adriatico Guest House Giambiagi Lecture Hall)

08:30 - 10:00	**P. Schillebeeckx** **Resonance self-shielding in the epithermal region**
10:00 - 10:30	--- Coffee Break ---
10:30 - 12:00	**M. Blaauw** **Thermal self-shielding in INAA situations**
12:00 - 14:00	--- Lunch Break ---
14:00 - 15:30	(Room: Adriatico Guest House Informatics Lab.) **M. Blaauw & R. Jacimovic** **Computer exercises**

15:30 - 16:00	--- Break ---
16:00 - 17:30	(Room: Adriatico Guest House Informatics Lab.) **M. Blaauw & R. Jacimovic** **Computer exercises**

Friday, 18 March 2005 (Room:Adriatico Guest House Giambiagi Lecture Hall)

08:30 - 10:00	**General discussion about a procedure to determine bias-free nuclear data**
10:00 - 10:30	--- Coffee Break ---
10:30 - 12:00	**All participants** **General discussion about a procedure to determine bias-free nuclear data**
12:00 - 14:00	--- Lunch ---