

[MB1] Neutron Activation Analysis & Prompt Gamma Activation Analysis	
Date / Time	September 7 (Mon.), 2026 / 13:00~15:50
Place	Room B (Segyero Room 1)
Chairpersons	Dr. Heather Chen-Mayer (National Institute of Standards and Technology), Dr. Raghunath Acharya (Bhabha Atomic Research Centre)

[MB1_1] [Invited] **13:00~13:35**

Nuclear Analytical Techniques: Connecting Environment, Polymeric Materials and Public Health

Alok Srivastava

Panjab University

[MB1_2] [Invited] **13:35~14:10**

Current Activities of Neutron Activation Analysis at HANARO Research Reactor in Korea

Gwang-Min Sun¹, Kishore Babu Dasari², Sungpyo Hong¹, Hana Cho³, Sunghyo Lee¹, Jong-Hwa Moon¹

¹Korea Atomic Energy Research Institute, ²Korea Research Institute of Standards and Science, ³Jeonbuk National University

[MB1_3] **14:10~14:30**

INAA for Ca Determination via Sc-47, the Daughter Nuclide of Ca-47

Jong Hwa Moon¹, Kishore B. Dasari², Seong Pyo Hong¹

¹Korea Atomic Energy Research Institute, ²Jeonbuk National University

[MB1_4] **14:30~14:50**

Evaluation of NAA Quantification Methods from the Analytical Perspectives of Artifacts Produced from Geological Raw Materials

Seoeun Jang^{1,2}, Kishore B. Dasari³, Seongpyo Hong¹, Gwang-Min Sun¹, Gyu Ho Kim²

¹Korea Atomic Energy Research Institute, ²Kongju National University, ³Jeonbuk National University

[MB1_5] **14:50~15:10**

Validation of a VITESS Model for the CG2B Cold Neutron Guide Using Neutron Energy Spectra

Kyung Min Kim¹, Gwang Min Sun¹, Kyung Taek Lim², Jinhwan Kim¹

¹Korea Atomic Energy Research Institute, ²Sejong University

[MB1_6] **15:10~15:30**

Current Progress of the Cold Neutron NDP and Compton-Suppressed PGAA Systems at HANARO

Jinhwan Kim¹, Kyung-Min Kim^{1,2}, Gwang-Min Sun¹, Byung-Gun Park¹

¹Korea Atomic Energy Research Institute, ²Sejong University

[MB1_7] **15:30~15:50**

LaBr₃(Ce)-Based Thermal-Neutron PGNAA for Metallic Element Analysis: Comparison with a NaI(Tl) Detector at HANARO

Ki-Yoon Lee¹, Kyung-Hwan Jung¹, Hyun-Dong Kim¹, Hyun-Soo Ha¹, Jung-Hyeon Eo², Jun-Young Shin², Jong-Yul Kim³, Jae-Hyeon Kim³, Kyung-Min Oh³, Jin-Hyung Park³, Cheol-Ha Baek¹

¹Kangwon National University, ²3I Solution Inc., ³Korea Atomic Energy Research Institute