

[TB1] ACC & AI based NATs	
Date / Time	September 8 (Tue.), 2026 / 13:00~16:05
Place	Room B (Segyero Room 1)
Chairpersons	Dr. Myung-Hwan Jung (Korea Atomic Energy Research Institute), Dr. Hogeon Seo (Korea Atomic Energy Research Institute)

[TB1_1] [Invited] **13:00~13:25**

Qualitative Study of Medicinal and Food Resources Inorganic Elements with NAT for Health Management

Durga Prasada Rao Angalakuduru

Andhra University

[TB1_2] **13:25~13:45**

HI-PIXE Facility Utilizing Low Energy Heavy-Ion Beams at VECC, Kolkata

Sk Wasim Raja^{1,2}, Sayed Masum¹, Chinmay Giri¹, Sunita Hansda¹, Siddhartha Dechoudhury^{1,2}, Vaishali Naik^{1,2}, Debasis Mitra³, Lokesh C. Tribedi^{4,5}

¹Variable Energy Cyclotron Centre, ²Homi Bhabha National Institute, ³University of Kalyani, ⁴Tata Institute of Fundamental Research, ⁵University of Petroleum and Energy Studies

[TB1_3] **13:45~14:05**

Development of Gas Ionization Chamber (GIC) for Energy Spectrometry

Joonkon Kim¹, Sunwoo Moon¹, Jaeyeoul Kim¹, Andrés Redondo-Cubero²

¹Korea Institute of Science and Technology, ²Universidad Autónoma de Madrid

[TB1_4] **14:05~14:25**

Accelerator Mass Spectrometry (AMS): An Overview of Principles and Applications

Gwan-Ho Lee, Byung-Yong Yu

Korea Institute of Science and Technology

[TB1_5] **14:25~14:45**

Advances in Secondary Ion Mass Spectrometry for Depth Profiling of Advanced Semiconductor Materials

Tae Eun Hong¹, Mirang Byeon¹, ChaeHo Shin², Young-Jae Park³

¹Korea Basic Science Institute, ²Korea Research Institute of Standards and Science, ³Pohang University of Science and Technology

[TB1_6] **14:45~15:05**

High Resolution Depth Profiling of Ultra-Thin Film Using Time of Flight-Medium Energy Ion Scattering Spectrometry (TOF-MEIS)

Wansup Kim, Kyungsu Park, Jwasoon Kim, Changsik Sim, Jiho Song, Haejoon Hahm, ChangSeon Park, Soobang Kim, WonJa Min
HB solution

[TB1_7] [Invited] **15:05~15:35**

A Robotist's Perspective on Radiochemistry Laboratory Automation

Sungmoon Joo^{1,2}

¹Korea Atomic Energy Research Institute, ²University of Science and Technology

[TB1_8] [Invited] **15:35~16:05**

From Using AI to Delegating to AI: Rethinking the Role of AI in Problem Solving

Hogeon Seo

Korea Atomic Energy Research Institute