

[WC2] Nuclear Characterization Techniques	
Date / Time	September 9 (Wed.), 2026 / 13:00~14:40
Place	Room C (Segyero Room 2)
Chairpersons	Dr. Jinhwan Kim (Korea Atomic Energy Research Institute), Dr. Jaegi Lee (Korea Atomic Energy Research Institute)

[WC2_1] 13:00~13:20

⁵⁷Fe Mössbauer-Resolved Axial-Time Mapping of Phase Evolution and Catalyst Deactivation in CO₂ Hydrogenation

Wonjoong Yoon¹, Sheraz Ahmed¹, Heuntae Jo^{1,2}, Jiyeon Lee¹, Noritatsu Tsubaki³, Jaehoon Kim¹

¹Sungkyunkwan University, ²Korea Institute of Industrial Technology, ³University of Toyama

[WC2_2] 13:20~13:40

Study of Oxidation States in Geological Samples Using Mössbauer Spectroscopy

Mi-Eun Jin¹, Young Rang Uhm¹, Gwang-Min Sun¹, Yong-Joo Jwa², Dong Hyeok Moon³, Hang-Jae Lee³

¹Korea Atomic Energy Research Institute, ²Gyeongsang National University, ³Korea Institute of Geoscience and Mineral Resources

[WC2_3] 13:40~14:00

Free Volume Evolution in Cyanate Ester Resin under Accelerated Reactor Irradiation Probed by Positron Annihilation Lifetime Spectroscopy

Youngsu Jeong¹, Jaegi Lee¹, Hyeong Min Jin², Youngho Eom³, Ki-Ho Nam⁴, Hyeonuk Yeo⁴, Min Wook Lee⁵, Wonjin Na⁵

¹Korea Atomic Energy Research Institute, ²Chungnam National University, ³Hanyang University, ⁴Kyungpook National University, ⁵Korea Institute of Science and Technology

[WC2_4] 14:00~14:20

Ghost Imaging-Based Neutron Depth Profiling for 3D Lithium Distribution Mapping: A Monte Carlo Study

Junhyeok Kim, Jinhwan Kim

Korea Atomic Energy Research Institute

[WC2_5] 14:20~14:40

Development and Characterization of Operando Neutron Depth Profiling System at HANARO CG2B Cold Neutron Guide

Kyungmin Kim¹, Byung Gun Park¹, Kyung Taek Lim², Jinhwan Kim¹

¹Korea Atomic Energy Research Institute, ²Sejong University