

[ThB3] Neutron Irradiation Test, Neutron Activation Analysis and Other Nuclear Analytical Techniques II

Date & Time April 11 (Thu.), 2019 / 15:30-17:30

Place Room B (# 205)

Session Chair Gwang Min Sun (KAERI)

ThB3-1

15:30-15:50

Characterization of Total Suspended Yellow Dust Particles through Analysis of Cosmogenic Radionuclides and Inorganic Elements

K. B. Dasari^{1*}, H. Cho², J.Y. Cha³, Y.H. Nam¹, M.E. JIN¹, Y.H. Yim², N.H. Oh³, and G.M. Sun¹
¹KAERI, Korea, ²KRISS, Korea, ³Seoul National University, Korea

ThB3-2

15:50-16:10

Fast Neutron Irradiation Study on Reverse Saturation Current of Diode

Sung Ho Ahn*, Gwang Min Sun, Hani Baek, Bo-Young Han, Jaegi Lee, Young Rang Uhm, Yeoryeong Jeon, and Hyeon Min Lee
 KAERI, Korea

ThB3-3

16:10-16:30

Calculation of Detection Efficiency of Large Volume Source at a Horizontal Geometry

M.Y. Kang^{1*}, G.M. Sun², and H.D. Choi¹
¹Seoul National University, Korea, ²KAERI, Korea

ThB3-4

16:30-16:50

An Evaluation of Activation Problems According to the Shape of Structures by Using AR2S Code System and R2S Method

Do Hyun Kim^{1*}, Ji Seok Kim², and Taijin Park³
¹Hanyang University, Korea, ²KAERI, Korea, ³KARA, Korea

ThB3-5

16:50-17:10

Performance Prediction of Coincidence-based Prompt Gamma Activation Imaging System Using Geant4 Monte Carlo Toolkit

Han Rim Lee*, Jiseok Kim, and Gwang Min Sun
 KAERI, Korea

ThB3-6

17:10-17:30

Feasibility Study of Reactor-based Positron Annihilation Spectroscopy System Using HANARO

Jaegi Lee¹, Gwang-Min Sun^{1*}, Bo-Young Han¹, Young Rang Uhm¹, Sung Ho Ahn¹, Yeoryeong Jeon², and Hyeon Min Lee²
¹KAERI, Korea, ²Daegu Catholic University, Korea