Poster Session

[Poster Session 01]

Session Date:	**Sept. 10 (Wed.), 2025**
Session Time:	**16:00 ~ 17:30**
Session Room:	**Room 104**

WP_1

Investigation on Retarded Coarsening Behavior in B-added Co-Based Superalloys
K. N. Yoon[1], K. W. Seo[2], E. S. Park[2]
[1]University of California, Berkeley, [2]Seoul National University

WP_2

Property Tuning of Metallic Glass with Different Initial Structure by Annealing-Based Structure Control
M. J. Lee[1], G. H. Yoo[1], W. H. Ryu[2], K. W. Seo[1], E. S. Park[1]
[1]Seoul National University, [2]Kumoh National Institute of Technology

WP_3

In-Situ Neutron Diffraction Study on the Mechanical Behavior and Deformation Mechanisms of Metallic Materials at Ultra-Cryogenic Temperatures
Y. S. Kim[1], H. Chae[1], W. Woo[1], S. Harjo[2], S. Y. Lee[3]
[1]Korea Atomic Energy Research Institute, [2]Japan Atomic Energy Agency, [3]Chungnam National University

WP_4

Evaluation of Hydrogen Embrittlement in Welded 316L Stainless Steel for Cryogenic Applications
Tae Uk Kang[1], You Sub Kim[1], Soo Yeol Lee[2]
[1]Korea Atomic Energy Research Institute, [2]Chungnam National University

WP_5

Neutron Diffraction Studies Using the Residual Stress Instrument at HANARO: Applications and Beamtime Proposal Process
H. Chae, W. Woo
Korea Atomic Energy Research Institute

WP_6

Evaluation of Neutron Shielding Efficiency of Boron-Added Stainless Steel
Eunjoo Shin, T. J. Kim, J. Y. Kim, W. C. Woo, H. B. Chae
Korea Atomic Energy Research Institute

WP_7

Evaluation of Hydrogen Embrittlement in TIG Welded 304L Stainless Steel
W. Tongprapai[1], Y. S. Kim[2], J. Y. Jung[1], D. H. Lee[1], H. Chae[2], W. Woo[2], S. Y. Lee[1]
[1]Chungnam National University, [2]Korea Atomic Energy Research Institute

WP_8

Probing Temperature-Dependent Deformation Mechanisms in High-Mn Steels via In Situ Neutron Diffraction

Taeho Lee[1], Ke An[2], Soo Yeol Lee[1]
[1]Chungnam National University, [2]Oak Ridge National Laboratory

WP_9

Determination of Neutron Attenuation Coefficients for Gadolinium-Containing Neutron Absorber Materials

J. Kwon, Y-S. Han, Y-B. Chun, J-M. Kim, S. Jung
Korea Atomic Energy Research Institute

WP_10

Characterization of the Strain-induced Martensitic Transformation in Novel TRIP Ti-6Al-4V Based Alloys via Neutron Beam Diffraction Analysis

K.W.Seo, D.H. Kim, E.S.Park
Seoul National University

WP_11

Development of Analysis Method of Cobalt and Europium in Soil Using ICP-MS

Mingi Park[1,2], Jihye Lee[1], Hyeonggon Kim[1], Seung Woo Lee[1,2], Yuvin Kim[1,3], Gyeongmin Lee[4], Ina Do[5], Jiseok Kim[1]
[1]Korea Atomic Energy Research Institute, [2]Hanyang University, [3]Chungnam National University, [4]Jeonbuk National University, [5]Yonsei University

WP_12

Development of 3D-Scan-Based Radioactivity Measurement for a Complex Source-Detector Geometry in Gamma Spectrometry

Jihye Lee[1,2], Seung Woo Lee[1], Mingi Park[1], Yuvin Kim[1], Ina Do[3], Gyeongmin Lee[4], Hyeonggon Kim[1], Jiseok Kim[1]
[1]Korea Atomic Energy Research Institute, [2]Korea Advanced Institute of Science and Technology, [3]Yonsei University, [4]Jeonbuk National University

WP_13

Application of Quality by Design(QbD) in Automated ^{131}I-mIBG Production: Ensuring Product Quality and Minimizing Occupational Radiation Exposure

Yumi Jung, Eun-ha Cho, Yoo-hwang Lee, Jae-won Lee, Seung-Jae Lee
Korea Atomic Energy Research Institute

WP_14

Development of an HPLC-Based Analytical Method for Quality Evaluation of I-131 mIBG

E.H. Cho[1], Y.M. Jung[1], W.Y. Cho[2], W. Lee[2]
[1]Korea Atomic Energy Research Institute, [2]Woosuk University

WP_15

Optimization of Silver Fixation on Alumina via Reduction Time and Thermal Oxidation Control for Effective Iodine Removal under Alkaline Conditions in ^{99}Mo Production

B.G. Park, J.H. Kim, S.S. Lee, S.K. Lee
Korea Atomic Energy Research Institute

WP_16

Quality Assurance and Testing Framework for Radiopharmaceuticals: KAERI's Path toward MFDS Certification
H.J. Ahn, S.S. Nam, Y.E. Lee, T.G. Lee, Y.M. Jung, E.H. Cho
Korea Atomic Energy Research Institute

WP_17

A Review of Case Studies on the Characteristics of Radioactive Soil Contamination in Nuclear Facilities
H.J. Ahn, S.S. Nam, M. Yoo, K.S. Woo, S.S. Lee, S.K. Lee
Korea Atomic Energy Research Institute

WP_18

Preliminary Study on Experimental Production of Fission Mo-99 based on Depleted Uranium Target in HANARO Radioisotope Production Facility
J.H. Kim, M.G.B.G.B.N.L. Yoo, S.S. Lee, J.B. Kim, K.S. Woo, S.K. Lee, S.W. Yang
Korea Atomic Energy Research Institute

WP_19

A Novel Approach for Personalized Hand Dose Assessment Using Whole-Body 3D Scanning and Monte Carlo Simulation
Ina Do[1], Jihye Lee[2], Mingi Park[2,3], Ji Won Choi[1], Woori Cho[1], Yeon Soo Yeom[1], Jiseok Kim[2]
[1]Yonsei University, [2]Korea Atomic Energy Research Institute, [3]Hanyang University

WP_20

Design and Preliminary Assessment of On-Site Generation of Short-Lived Radiotracers with Portable D-D Neutron Generator
J. Park, J. Moon, S.H. Jung
Korea Atomic Energy Research Institute

WP_21

Mitigation of Radioxenon from the Fission Mo-99 Production Process for KJRR
Suseung Lee, Seung-Kon Lee, Mal-Go-Bal-Gae-Bit-Na-La Yu, Kyungseok Woo, Jin-Hee Kim, Jun Sig Lee
Korea Atomic Energy Research Institute

WP_22

Operational Requirements and Licensing Status of Shift Personnel at HANARO
Wonho In, Jinwon Shin, Minsu Kim, Cheongwon Kim
Korea Atomic Energy Research Institute

WP_23

Cooling Margin Analysis of the Helium Refrigeration System for the CNS under Variable HANARO Reactor Power Conditions
J.S. Hwang, W.T. Lee
Korea Atomic Energy Research Institute

WP_24

Automating CAD-to-MCNP Conversion of Pipe Models Using Mathematical Vector Operations

Yuvin Kim[1,2], Jihye Lee[2], Hyeonggon Kim[2], Mingi Park[2,3], Seung Woo Lee[2,3], Gyeongmin Lee[4], Ina Do[5], Jiseok Kim[2]
[1]Chungnam National University, [2]Korea Atomic Energy Research Institute, [3]Hanyang University, [4]Jeonbuk National University, [5]Yonsei University

WP_25

The Plan of the CNS (Cold Neutron Source) HRS (Helium Refrigeration System) Redundancy about Control System

M.W. Lee, K.C. Kim, J.S. Hwang, W.T. Lee, Y.S. Choe
Korea Atomic Energy Research Institute

WP_26

Effect of Control Rod Position on Neutron Detectors for Reactor Control and Corresponding Thermal Power in HANARO

C.K. Min, D.H. Lee
Korea Atomic Energy Research Institute

WP_27

Comparative Evaluation of HANARO Gaseous Effluent Monitoring Practices with NRC Regulatory Guide 1.21 Requirements

W.T. Lee, G.A. Kim, S.G. Doo, M.S. Kim, N.K. Kim, C.D. Lee, B.H. Hwang, J.S. Hwang
Korea Atomic Energy Research Institute

WP_28

Introduction to Activities Enhancing Structural Safety for the Research Reactor HANARO

B.H. Hwang, C.D. Lee, W.T. Lee, M.H. Jung, S.P. Lee, M.S. Kim
Korea Atomic Energy Research Institute

WP_29

Development of a Program for Analyzing Interdependencies and Revision Impact of HANARO Operating Procedures

Sungtaek Hong, Hyunjin Kwon, Donghyuk Lee, Cheongwon Kim
Korea Atomic Energy Research Institute

WP_30

Evaluation of Safety Performance Indicators of HANARO Research Reactor during 2020-2024

H.S. Jung, H.K. Kim, C.W. Kim
Korea Atomic Energy Research Institute

WP_31

Synthesis and Manufacture of Yttrium-90 Based Radiolabeled Peptide

S.Y. Lee, J.C. Lim
Korea Atomic Energy Research Institute

[Poster Session 02]

Session Date:	**Sept. 11 (Thu.), 2025**
Session Time:	**16:00 ~ 17:00**
Session Room:	**Room 104**

TP_1

Evaluating Neutron Shielding Efficiency of Concrete Samples Using Research Reactor HANARO
J. Kim, B.Y. Han, G.M. Sun
Korea Atomic Energy Research Institute

TP_2

Surface and Interface Science Using Neutron Reflectometer REF-V at HANARO
June Hyuk Lee
Korea Atomic Energy Research Institute

TP_4

Characterization of Mixed Radiation Fields in the HANARO Ex-core Facility via Coupled MCNP–PHITS/DCHAIN Simulations and Comparison with LiF TLD and Gold Foil Measurements
Junyoung Lee[1], Sangmin Lee[2], Jongyul Kim[3], Jinhwan Kim[3], Byung-gun Park[3], Young Soo Han[3], Jeonghun Oh[1], Sung-Joon Ye[1]
[1]Seoul National University, [2]Yonsei University, [3]Korea Atomic Energy Research Institute

TP_5

25 years of Neutron Imaging Applications in Irradiated Nuclear Fuel, Paleontology Aircraft Turbine Blade, and Agriculture.
C.M. Sim
Korea Atomic Energy Research Institute

TP_6

Effect of Moisture on Perovskite Structure: A Neutron Reflectivity Study
Sumin Lee, Yujin Oh, Young-un Jeon, Seulki Song, Jaseung Koo
Chungnam National University

TP_7

Neutron Reflectometry Analysis of Water Interaction in HTL/Perovskite Bilayer Structures
Y. J. Oh[1], S. M. Lee[1], Y. U. Jeon[1], J. H. Lee[2], S. K. Song[1], J. S. Koo[1]
[1]Chungnam National University, [2]Korea Atomic Energy Research Institute

TP_8

Small-Angle Scattering Study on the Nanostructural Behavior of PFSA Ionomers in Solvents of Varying Composition

D. C. Yang, T. H. Kim
Jeonbuk National University

TP_9

Study on the Nanostructure of PFSA Membranes with Temperature Variation Using SANS

Eunjoo Shin[1], Jun Hyun Lim[2], Chang Hyun Lee[2], T. J. Kim[1]
[1]Korea Atomic Energy Research Institute, [2]Dankook University

TP_10

Observation of Topological Suppression of Autophobicity between Chemically Identical Polymers via Neutron Reflectivity

Seong Eun Kim[1], Dogyun Kim[1], Se Hwa Park[1], Tae Yeon Kong[1], June Hyuk Lee[2], Kyoung Taek Kim[1], So Youn Kim[1]
[1]Seoul National University, [2]Korea Atomic Energy Research Institute

TP_11

High-Resolution Interface Study of Epitaxial $L1_0$-FeNi Thin Film Using Neutron Reflectivity

Jun-Cheol Park, Van Quang Nguyen, Byung-Hyuk Jun, June Hyuk Lee
Korea Atomic Energy Research Institute

TP_12

A Preliminary and Simplistic Exercise of Cost-Benefit Analysis of HANARO, Only Considering Publications

J. M. S. Park[1], J. P. Hong[1,2]
[1]Korea Atomic Energy Research Institute, [2]Seoul National University

TP_13

Influence of Binder State on Slurry Microstructure: Adsorbed vs. Free Sodium Carboxymethyl Cellulose in Graphite Slurries

E. H. Gwag[1], M. H. Kim[2], S. Y. Kim[1]
[1]Seoul National University, [2]Korea Institute of Science and Technology

TP_14

Study on Highly Ordered Self-Assembly of BNNT-Surfactant Composites Induced by Electrostatic Interaction

S.W. Jeon[1], C. Do[2], S.Y. Moon[3], J.D. Jang[1], S.H. Lee[1], T.H. Kim[3]
[1]Korea Atomic Energy Research Institute, [2]Oak Ridge National Laboratory, [3]Jeonbuk National University

TP_15

Overcoming the Limitation of Polymer Synthesis via GMDH AI-Simulation

Jong Dae Jang[1], Junhyung Bae[2]
[1]Korea Atomic Energy Research Institute, [2]Daegu Catholic University

TP_16

Tuning MXene Pathways via Silver Nanoparticle Size Variations for Anode-Free Battery Applications

Sangho Lee[1], Jong Dae Jang[1], Seokjae Hong[1], Hyungsub Kim[1,2], Sangwoo Jeon[1], Hyeong Min Jin[3]
[1]Korea Atomic Energy Research Institute, [2]Chungbuk National University, [3]Chungnam National University

TP_17

Study on the Quantum Dot-Polymer Composites

Jong Dae Jang[1], Sangho Lee[1], Sangwoo Jeon[1], Young Soo Han[1], Tae-Hwan Kim[2]
[1]Korea Atomic Energy Research Institute, [2]Jeonbuk National University

TP_18

Experiments of 40m SANS at HANARO

Jong Dae Jang, Sangho Lee, Sang Woo Jeon, Young Soo Han
Korea Atomic Energy Research Institute

TP_19

Frequency-Domain Inverse Design of Single-Absorption Gratings for Enhanced Neutron Dark-Field Imaging

Y.M. Heo[1], S.W. Lee[1], Y.J. Kim[2], D.S. Kim[1], J.H. Won[1], J.Y. Son[1], S.H. Lee[1]
[1]Pusan National University, [2]Korea Atomic Energy Research Institute

TP_20

Parameter Optimization for Energy-Selective Neutron Imaging at a Thermal Neutron Beamline via McStas Simulation

J.Y. Son, D.S. Kim, J.H. Won, Y.M. Heo, S.H. Lee, S.W. Lee
Pusan National University

TP_21

Effects of Elemental Impurities on Radioactivation in Surrogate Metal Components

Gyeongmin Lee[1], Hayoung Sim[1], Yeijin Bang[1], Sunlee Shin[1], Jiseok Kim[2], Hee Seo[1]
[1]Jeonbuk National University, [2]Korea Atomic Energy Research Institute

TP_22

Feasibility Study on Deep Learning-Based Composition Analysis of Black Powder from Recycled Batteries Using Neutron Activation Spectra

B. Jeon
Korea Atomic Energy Research Institute

TP_23

1.7 MV Tandem Accelerator-Based External Beam PIXE Beamline Construction Status for Cultural Heritage Analysis

K.R. Kim, Y.G. Song, J.H. Kim, H.S. Kim, H.J. Kwon
Korea Atomic Energy Research Institute

TP_24

Ex-Core Test-Based Performance Evaluation of Customized Rabbit Systems for Pneumatic Transfer System Diagnosis in HANARO

Seongpyo Hong[1], Sung Hyo Lee[1], Kishore B. Dasari[1,2,3], Bo-Young Han[1], Gwang-Min Sun[1]
[1]Korea Atomic Energy Research Institute, [2]Gyeongsang National University, [3]Korea Research Institute of Standards and Science

TP_25

X-ray Ghost Imaging with an Untrained Neural Network

Sangho Lee[1], Junhyeok Kim[2], Jisung Hwang[1,3], Jaehyun Park[1], Gyohyeok Song[1], Deokseong Kim[1], Gyuseong Cho[1]
[1]Korea Advanced Institute of Science and Technology, [2]Korea Atomic Energy Research Institute, [3]Korea Institute of Nuclear Safety

TP_26

Comparative Analysis of Crack Density of As-Received Type 304 SS and Type 316 SS According to Slow Strain Rate Test Using IASCC Test Laboratory (ITL) Mock-Up

Sung Hwan Cho, Sung Woo Kim
Korea Atomic Energy Research Institute

TP_27

Irradiation Test of Self-Powered Neutron Detectors in the 115th Cycle of the HANARO

JongWoo Kim, YeEun Na, JuneSic Park, SeongWoo Yang, HaeSun Jung, KeeNam Choo, SungJae Park, YoonTaeg Shin, ChulYong Lee
Korea Atomic Energy Research Institute

TP_28

Materials and Life Science Experimental Facility at J-PARC

Kenji Nakajima and Stuff of Members of MLF, J-PARC
J-PARC Center

TP_29

Crystallographic and Magnetic Properties of $Co_{0.2}Zn_xNi_{0.8-x}Fe_2O_4$ Spinel Ferrites by Neutron Diffraction

M. S. Aktar, S. Hossain, J. Maudood, M. S. Islam
Bangladesh Atomic Energy Commission

[Poster Session 03]

Session Date:	**Sept. 12 (Fri.), 2025**
Session Time:	**14:20 ~ 15:20**
Session Room:	**Room 104**

FP_1

Replacement of Aging Neutron Guide Tubes in the Cold Neutron Research Facility of HANARO

J. Kim, S. Cho, Y. Kim, S. Kim, M. K. Moon, T. Kim, Y. Kim
Korea Atomic Energy Research Institute

FP_2

Structural Analysis of Co-doped Mg_2Sn Thermoelectric Material Using White Neutron Holography

A. Fujimori[1], T. Igawa[1], R. Suzuki[1], K. Abe[1], M. Takita[1], M. Ito[1], S.Sugano[1], K. Oikawa[2], M. Harada[2], Y. Inamura[2], K. Hayashi[3], Z. Huang[4], Y. Miyazaki[4], K. Hayashi[4], K. Ohoyama[1]
[1]Ibaraki University, [2]Japan Atomic Energy Agency, [3]Nagoya Institute of Technology, [4]Tohoku University

FP_3

Probing Critical Magnetic Behavior in $CeNiGe_3$ Using 6G-TOPAN at JRR-3

O. Nawashirobashi, Y. Ikeda, M. Fujita
Tohoku University

FP_4

Towards the World's First Practical Application of Magnetic Scattering Holography

T. Igawa[1], M. Choui[2], R. Suzuki[1], A. Fujimori[1], K. Abe[1], M. Takita[1], M. Ito[1], S. Sugano[1], S. Takahashi[3], R. Kobayashi[4], S. Takada[4,5], T. Okudaira[4,6], M. Okuizumi[4,6], S. Kawamura[4,6], T. Oku[1,4], K. Oikawa[4], Y. Tuchikawa[4], M. Harada[4], Y. Inamura[4], K. Hayashi[2], K. Ohoyama[1]
[1]Ibaraki University, [2]Nagoya Institute of Technology, [3]The University of Tokyo, [4]Japan Atomic Energy Agency, [5]Tohoku University, [6]Nagoya University

FP_5

Observation of Hydrogen in Palladium Hydride Using White Neutron Holography

K. Abe[1], M. Takita[1], T. Igawa[1], R. Suzuki[1], A. Fuzimori[1], M. Ito[1], S. Sugano[1], M. Harada[2], K. Oikawa[2], Y. Inamura[2], S. Ajito[3], E. Akiyama[3], S. Orimo[3], K. Hayashi[4], K. Ohoyama[1]
[1]Ibaraki University, [2]Japan Atomic Energy Agency, [3]Tohoku University, [4]Nagoya Institute of Technology

FP_6

Low-Temperature Deformation Testing System Combined with Digital Image Correlation for In-Situ Neutron Diffraction

T. Kawasaki, W. Gong, T. Ito, K. Aizawa, S. Harjo
Japan Atomic Energy Agency

FP_8

Improving Underestimation Issues in Low-Altitude Regions in Radiation Ambient Dose Equivalent Estimation for Flight Crews Using a Bayesian Approach

Hyeonggon Kim[1,2], Jiseok Kim[1], Seung Woo Lee[2], Mingi Park[2], Yuvin Kim[3], Jihye Lee[4], Gyeongmin Lee[5], Ina Do[6]
[1]Korea Atomic Energy Research Institute, [2]Hanyang University, [3]Chungnam National University, [4]Korea Advanced Institute of Science and Technology, [5]Jeonbuk National University, [6]Yonsei University

FP_9

Optimization of Viewing Geometry for Enhanced Neutron Tomography of Coin Cell Batteries

Sangho Lee[1], Junyoung Son[1], Daeseung Kim[1], Junhyeok Won[1], Yumin Heo[1], Jong Min Lee[2], A. Kaestner[2], Seung Wook Lee[1]
[1]Pusan National University, [2]Paul Scherrer Institute

FP_10

Crystal Structural Phase Transition and Magnetic Fluctuations of $Pr_3Tr_4Sn_{13}$ (*Tr* = Co, Rh)

N. Osano[1], K. Tsuge[1], K. Iwasa[1], T. Kumada[1], K. Suzumura[1], Y. Uramoto[1], K. Miyata[1], Y. Nakazawa[1], T. Sawada[1], H. Watanabe[1], K. Kuwahara[1], D. Okuyama[2], H. Sagayama[2], H. Nakao[2], M. Ishikado[3], H. Kikuchi[4], S. Asai[4], T. Masuda[4]
[1]Ibaraki University, [2]High Energy Accelerator Research Organization, [3]Comprehensive Research Organization for Science and Society, [4]The University of Tokyo

FP_11

Chiral Structural Phase Transition and Magnetic Ordering in $Gd_3Tr_4Sn_{13}$ (*Tr* = Co, Rh, Ir)

K. Suzumura[1], K. Iwasa[1], T. Kumada[1], W. Kurosawa[1], Y. Suzuki[1], Y. Uramoto[1], K. Kuwahara[1], K. Ohoyama[1], H. Sagayama[3], H. Nakao[3], D. Okuyama[3], M. Ishikado[4], R. Sugiura[4], T. Nakajima[4]
[1]Ibaraki University, [2]High Energy Accelerator Research Organization, [3]Comprehensive Research Organization for Science and Society, [4]The University of Tokyo

FP_12

Activity of Tohoku University Neutron Spectrometers and Diffractometer at JRR-3, Japan

M. Fujita
Tohoku University

FP_13

Neutron Science and Technology for Cultural Heritage at HANARO

Y. Kim, J. Kim, T. Kim, H. Chae, W. Woo, E. Shin
Korea Atomic Energy Research Institute

FP_14

Local Noncentrosymmetry and Magnetic Properties in the Remeika-Phase Compounds $Eu_3Tr_4Sn_{13}$ (*Tr* = Rh, Ir)

Takanobu Kumada[1], Yotaro Suzuki[1], Ami Shimoda[1], Hiromasa Imazeki[1], Wataru Kurosawa[1], Kazuaki Iwasa[1], Keitaro Kuwahara[1], Kenji Ohoyama[1], Akinori Hoshikawa[1], Hajime Sagayama[2], Daisuke Okuyama[2], Hironori Nakao[2], Motoyuki Ishikado[3], Toru Ishigaki[3], Yusuke Nambu[4]
[1]Ibaraki University, [2]High Energy Accelerator Research Organization, [3]Comprehensive Research Organization for Science and Society, [4]Tohoku University

FP_15

Local Structural Analysis around Rare Earth Elements of $(Ce_{0.7}La_{0.3})B_6$

M. Ito[1], M. Takita[1], S. Sugano[1], K. Abe[1], T. Igawa[1], R. Suzuki[1], A. Fujimori[1], N. Happo[2], J. Stellhorn[3], K. Hayashi[4], K. Kuwahara[1], K. Ohoyama[1]

[1]Ibaraki University, [2]Hiroshima City University, [3]Shimane University, [4]Nagoya Institute of Technology

FP_16

Local Structural Analysis of the Phosphorescent Phosphor Eu-Doped CaF_2 around Eu by Atomic Resolution Holography

S. Sugano[1], M. Ito[1], R. Suzuki[1], T. Igawa[1], A. Fujimori[1], K. Abe[1], M. Takita[1], M. Kitaura[2], K. Kim[3], K. Kamada[3], T. Nakanishi[4], N. Happo[5], K. Hayashi[6], K. Ohoyama[1]

[1]Ibaraki University, [2]Yamagata University, [3]Tohoku University, [4]National Institute for Materials Science, [5]Hiroshima City University, [6]Nagoya Institute of Technology

FP_17

Doping Effect to the Lattice in Rare Earth Doped-RB_6

M. Takita[1], K. Abe[1], T. Igawa[1], R. Suzuki[1], A. Fujimori[1], S. Sugano[1], M. Ito[1], N. Happo[2], J.R. Stellhorn[3], F. Iga[1], K. Hayashi[4], K. Ohoyama[1]

[1]Ibaraki University, [2]Hiroshima City University, [3]Shimane University, [4]Nagoya Institute of Technology

FP_18

Water Vapor Uptake into Hygroscopic Liquids in Capillaries: Neutron Radiography Study

Hyeonjun An[1], Youngtak Koo[1], Youngju Kim[2], Jongyul Kim[2], TaeJoo Kim[2], Joonwoo Jeong[1]

[1]Ulsan National Institute of Science and Technology, [2]Korea Atomic Energy Research Institute

FP_19

Local Structure Analysis of Sm^{3+} ions in CaF_2:Sm Phosphorescent Phosphors by Atomic-Resolution Holography

R. Suzuki[1], T. Igawa[1], A. Fujimori[1], K. Abe[1], M. Takita[1], M. Ito[1], S. Sugano[1], Y. Inamura[2], K. Oikawa[2], M. Harada[2], M. Kitaura[3], K. Kim[4], K. Kamada[4], T. Nakanishi[5], N. Happo[6], K. Hayashi[7], K. Ohoyama[1]

[1]Ibaraki University, [2]Japan Atomic Energy Agency, [3]Yamagata University, [4]Tohoku University, [5]National Institute for Materials Science, [6]Hiroshima City University, [7]Nagoya Institute of Technology

FP_20

Adsorption Properties at the Air/Water Interface and Aggregation Properties for Surfactant and Diglycerol Derivatives Mixtures by NR and SANS

M. Abe[1,2], A. Habuka[3], T. Yamada[3], R. Toyoshima[3], S. Yada[4], T. Yoshimura[2], N.L. Yamada[1]

[1]High Energy Accelerator Research Organization, [2]Nara Women's University, [3]Sakamoto Yakuhin Kogyo Co., Ltd., [4]Tokyo University of Science