

**Session Program**

**May 24 - 29, 2026**

**18th International Conference on  
Scintillating Materials and their Applications**

***Poster Session: Characterization of  
scintillators***

# Tue, May 26

4:00 PM

## Poster Session: Characterization of scintillators

**Poster Session** |

**Location:** Lahan Select Gyeongju, 338 Bomun-ro, Gyeongju, Gyeongsangbuk-do, Korea ( 338 )

**Potential Pr<sup>3+</sup> doped LaOF scintillators with varying Pr<sup>3+</sup> concentrations obtained from hydroxycarbonates precursors for ionizing radiation detection.**

**Speaker**

Erick Henrique

**Scintillation property of BaO-Y<sub>2</sub>O<sub>3</sub>-B<sub>2</sub>O<sub>3</sub>, BaO-Y<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub>, and BaO-Y<sub>2</sub>O<sub>3</sub>-P<sub>2</sub>O<sub>5</sub> glasses**

**Speaker**

Mr Haruaki Ezawa

**Characteristics of DAMC loaded LAB-based Liquid Scintillator**

**Speakers**

H.J. Lee, Jooyoung Lee

**Toward a standardization of scintillating performances of nanoscintillators**

**Speaker**

Christophe Dujardin

**Influence of terbium content on the photoluminescence properties of Ce-doped Tb<sub>x</sub>Gd<sub>3-x</sub>Al<sub>5</sub>O<sub>12</sub>**

**Speaker**

Arnoldas Solovjovas

**La:Lu<sub>2</sub>O<sub>3</sub> single crystal scintillators**

**Speaker**

Oleg Sidletskiy

**Optimization of Nano-scale TiO<sub>2</sub> Reflectors via Atomic Layer Deposition for High-Resolution Scintillation Detectors**

**Speaker**

Sangsu Kim

**Improvement of Scintillation Light Yield in Ce:CaHfO<sub>3</sub> Single Crystal through Be-substitution**

**Speaker**

Yusuke Endo

**radiation hardness of Cs<sub>3</sub>Cu<sub>2</sub>I<sub>5</sub> single crystal perovskite scintillator**

**Speaker**

jiwon seo

**X-Ray Excited Optical Luminescence of Rare-Earth Oxychloride, Chloride and Fluoride Nanoparticles Doped with Eu<sup>3+</sup>, Pr<sup>3+</sup> and Dy<sup>3+</sup>**

**Speaker**

Gabriel Luis Colombo

**GdOCl:Eu<sup>3+</sup> nanoparticles obtained from the thermal decomposition of the precursor Gd(OH)<sub>3</sub>:Eu<sup>3+</sup>: Luminescence with UV-Vis and X-Ray Excitation (XEOL)****Speaker**

Gabriel Luis Colombo

**Ultra-bright, non-hygroscopic, high performance 0D all-inorganic lead-free perovskite Cs<sub>3</sub>Cu<sub>2</sub>I<sub>5</sub>:Tl scintillator for efficient radio-voltaic and other applications of radiation detection****Speaker**

Dr Henry Chen

**Gamma-Ray Induced Radiation Damage and Phosphorescence in BaF<sub>2</sub>: 0-20 at% Y Crystals****Speaker**

Prof. Junfeng Chen

**Growth and Investigation of CsI:Na,Ce Crystal for Radiation Detection****Speakers**

Dr Duy Quang Nguyen, Dr Yaowaluk Tariwong

**Effect of Sintering Aids on Scintillation Properties of Ce:YAG Ceramics****Speaker**

RAPHAELLA CABRAL

**Photoluminescence and Scintillation Properties of Copper Iodide Clusters with K- and Rb- Benzo-15-crown-5 Complexes****Speaker**

Yamabayashi Keishi

**Characteristics of Lithium Benzoate loaded Water-based Liquid Scintillator****Speakers**

Dr D.E. Jung, Jooyoung Lee

**UV-Induced Photo-Bleaching and Scintillation Performance Degradation in 3D-Printed Plastic Scintillators****Speaker**

Han Cheol Yang

**Photoluminescence and Scintillation Properties of Tb-doped Sr<sub>3</sub>TaGa<sub>3</sub>Si<sub>2</sub>O<sub>14</sub> Single Crystals****Speaker**

Ryosei Takahashi

**Near-infrared Scintillation Properties of Nd-doped CaZrO<sub>3</sub> Crystals Grown by the Floating Zone Method****Speaker**

Mr Keita Miyajima

**Mechanical Surface Treatment of Water-sensitive Perovskite Scintillator Crystals via Hydrophobic Solvents**

**Speaker**

Seungho Song

**Temperature-driven changes in photoluminescence and pulsed photoluminescence of Xe-irradiated MgAl<sub>2</sub>O<sub>4</sub> single crystals****Speaker**

Abdirash Akilbekov

**Performance Evaluation of Lead-loaded 3D-Printed Plastic Scintillators****Speaker**

Hyeong Gu Kang

**Enhanced Pulse Shape Discrimination in CsI(Tl) Scintillators via High-Efficiency Photodetection for Dark Matter Searches****Speaker**

Sedong Park

**Radiation Response of an In-House Synthesized and Grown Stilbene Seed Crystal****Speaker**

Jaehyo Kim

**Temperature-Dependent Performance of NaI(Tl) Scintillators with Dual-Channel SiPM Readout for Low-Mass Dark Matter Searches****Speaker**

Won Kyung Kim

**Study of Light Transport inside Crystal Fibres****Speaker**

Julie Delenne

**A Compton-TDCR experiment for low energy non-linearity measurement of scintillators****Speaker**

Alice PERRET

**Simulation of the energy response function of BGO and Gd<sub>2</sub>O<sub>2</sub>S scintillators for flash radiography applications****Speaker**

Olivier Delattre

**Crystal growth and optimization of post-annealing condition of intrinsic scintillator YNbO<sub>4</sub>****Speaker**

Shohei Kodama

**Radiation-Induced Structural, Optical, and Luminescent Changes in Gd<sub>3</sub>Ga<sub>5</sub>O<sub>12</sub> under Swift Heavy-Ion Irradiation****Speaker**

Marina Konuhova

**Scintillators based on the Ce<sup>3+</sup> Doped of Gd<sub>1-x</sub>Y<sub>x</sub>AP:Ce Mixed Perovskites: Comparative Study Crystals and Single Crystalline Films under Synchrotron Radiation Excitation**

**Speakers**

Artur Majewski- Napierkowski, Yuriy Zorenko

**Temperature-driven changes in photoluminescence and pulsed photoluminescence of Xe-irradiated MgAl<sub>2</sub>O<sub>4</sub> single crystals****Speaker**

Abdirash Akilbekov

**A High-Throughput Technique for Screening the Light Yield in Doped Rare-Earth Inorganic Scintillator Coatings****Speaker**

Samuel Simons

**The Industry-Scale (Gd,Y)AlO<sub>3</sub>:Ce Single Crystal: optical, luminescence and scintillation characterization****Speaker**

MARTIN NIKL

**Single-Photoelectron Calibrated Absolute Light Yield of Cs<sub>3</sub>Cu<sub>2</sub>I<sub>5</sub> Scintillator Grown by Room-Temperature Vacuum Solvent Evaporation****Speaker**

Jihwan Boo

6:40 PM