Program

May 24 – 29, 2026

18th International Conference on Scintillating Materials and their Applications

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Sun, May 24

5:00 PM

6:00 PM

Registration
Session

Mon, May 25

8:00 AM – 8:45 AM
Registration: Registration
Session

8:45 AM – 9:00 AM
Conference Opening Ceremony
Session

9:00 AM – 9:45 AM
Invited talk: Pieter Dorenbos
Session

9:45 AM – 10:35 AM
Session 1 : Applications of scintillators in fundamental research, health, environment, energy, metrology, and industrial controls: Part 1
Session

9:45 – 9:57 AM
The Upgrade of the LHCb Electromagnetic Calorimeter: Light-based Technologies with Picosecond Timing
Speaker
Loris Martinazzoli (CERN)

9:57 – 10:09 AM
Towards chromatic calorimetry using nanocomposite scintillators
Speaker
Vojtěch Zabloudil (CERN, CTU in Prague)

10:09 – 10:21 AM
Novel Inorganic Scintillators for Future High Energy Physics Experiments
Speaker
Ren-Yuan Zhu (California Institute of Technology)

10:21 – 10:33 AM
Development of ultra-accelerated, radiation-hard GAGG for the upgrade phase II electromagnetic calorimeter of LHCb: PicoCal
Speaker
Louis Roux (CERN)

10:35 AM – 11:00 AM
Coffee break
Session

11:00 AM
Session 2 : Nano- and metamaterials, hybrids, organic, and liquid scintillators: Part 1
Session

11:00 – 11:18 AM
[Key-note] Ultrafast scintillating metal-organic frameworks
Speaker
Angelo Monguzzi (Dipartimento di Scienza dei Materiali, Università Milano - Bicocca)

11:18 – 11:30 AM
Solvent-free liquid scintillator: a breakthrough discovery in liquid scintillation

Speaker
Pauline Vergnory (CEA)

11:30 – 11:42 AM
Nanostructured multiphase polymeric scintillators for fast gamma/neutron discrimination

Speaker
Luca Pollice (Università degli studi di Milano-Bicocca)

11:42 – 11:54 AM
Investigating the Energy Transfer Mechanisms in Polystyrene based Plastic Scintillators

Speaker
Dallar Babaian (LBNL)

11:54 AM – 12:06 PM **Radiation stability of plastic and nanocomposite scintillators**

Speaker
Václav Čuba (Czech Technical University in Prague)

12:06 – 12:18 PM
Multilayered meta scintillator with thermally deposited organic active and metal halide dielectric layers

Speaker
guillaume BERTRAND (CEA Saclay)

12:18 – 12:30 PM
Liquid scintillators enriched with high-Z metal oxide nanoparticles for rare events search

Speaker
Pietro Moiraghi (University of Milano-Bicocca)

12:30 – 12:42 PM **Scalable Nanophotonic Scintillators**

Speaker
James Pratt (University of Oxford)

12:50 PM

12:50 PM **Lunch: Lunch**
Session

2:10 PM

2:10 PM **Session 3 : Scintillators for fast-timing detection and imaging**
Session

2:10 – 2:28 PM
[Key-note] Exciton confinement in scintillators for high spatiotemporal detection

Speaker
Guangda Niu (Huazhong University of Science and Technology)

2:28 – 2:40 PM
Investigating β-Ga2O3 as a Potential Scintillator for Photon Counting CT

Speaker
Dennis Schaart (Delft University of Technology)

2:40 – 2:52 PM **Targets and Challenges in Fast-Timing Garnets**

Speaker

Oleg Sidletskiy (Centre of Excellence ENSEMBLE3 Sp. z o.o., Warsaw, Poland; Institute for Scintillation Materials NAS of Ukraine, Kharkiv, Ukraine)

2:52 – 3:04 PM

2D Lead Halide Perovskite Scintillation Crystals for Fast-timing Detection and Imaging

Speaker

Yunyun Li (State Key Laboratory of Functional Crystals and Devices, Shanghai Institute of Ceramics, Chinese Academy of Sciences)

3:04 – 3:16 PM

Fast and bright scintillators for ultrafast materials dynamics using 4th generation synchrotron

Speaker

Zhehui (Jeph) Wang (Los Alamos National Laboratory)

3:16 – 3:28 PM

Chemical Preparation Methods of ZnO and ZnO:Ga Films on BGO Substrates for Efficient γ-ray Detection

Speaker

Nataliya Babayevska (NanoBioMedical Centre, Adam Mickiewicz University)

3:28 – 3:40 PM

Red-Emitting Lu2S3:Ce Scintillator Prepared by Micro-Pulling-Down Crystal Growth

Speaker

Monika Kotyková (Institute of Physics of the Czech Academy of Sciences)

3:40 PM

3:40 PM

Coffee break

Session

4:10 PM

4:10 PM

Session 4 : Characterizations of scintillators: Part 1

Session

4:10 – 4:22 PM

Fast-feedback R&D strategy for LMO scintillating crystals in neutrinoless Double Beta Decay search

Speaker

Mauro Fasoli (University of Milano-Bicocca)

4:22 – 4:34 PM

Cs2TeCl6 as a Promising Scintillating Detector for the Rare Decay of 123Te

Speakers

Michael Lewis (Queen's University), Serge Nagorny

4:34 – 4:46 PM

Development of a 10 mol% Rubidium-doped CsI Crystal for ^{87}Rb Beta-Spectroscopy and Sterile Neutrino Searches

Speaker

Won Kyung Kim (University of Science & Technology (UST), IBS School)

4:46 – 4:58 PM

A Pulse Shape Discrimination Performance of Garnet-Based Composite Scintillators in alpha/beta/gamma Mixed Fields

Speaker
Agnieszka Syntfeld-Każuch (National Centre for Nuclear Research)

4:58 – 5:10 PM

Optical and Scintillation properties of Mixed Halide Li2Hf(Br,I)6 for Thermal Neutron Detection

Speaker
Chihaya Fujiwara (Tohoku University)

5:10 – 5:22 PM

Scintillation Response of CsI(Tl) to Monoenergetic Single-Electron Excitation at Low Energies

Speaker
Faizan Anjum (Kyungpook National University, Department of Physics)

5:30 PM

5:30 PM

Session 5 : Optical ceramics and glasses

Session

5:30 – 5:42 PM

Composite Scintillators Based on Ce-doped Garnets as an Efficient and Inexpensive Alternative

Speaker
Gintautas Tamulaitis (Vilnius University (LT))

5:42 – 5:54 PM

Defect Engineering in LuAG:Ce Ceramics: Towards Ultrahigh Fast Scintillation Proportion

Speaker
Chen Hu (Shanghai Institute of Ceramics, Chinese Academy of Sciences)

5:54 – 6:06 PM

Luminescence and Scintillation Properties of Nonstoichiometrically Engineered YAG:Pr Transparent Ceramics

Speaker
Anton Markovskyi (Łukasiewicz Research Network - Institute of Microelectronics and Photonics)

6:06 – 6:18 PM

Development and Characterization of Tl- and Ce- doped novel Organic Glass Scintillator for Radiation Detection

Speaker
JAEYOUNG CHO (KYUNGPOOK NATIONAL UNIVERSITY)

6:18 – 6:30 PM

Advancements in Organic Glass Scintillators: Achieving Amorphous Stability and Enhanced Scintillation Performance

Speaker
Nicholas R. Myllenbeck (Sandia National Labs)

6:30 PM

8:00 PM

Reception: Reception

Session

10:00 PM

Tue, May 26

9:00 AM

Invited talk: Weronika Wolszczak

Session

9:45 AM

9:45 AM

Session 6 : Nano- and metamaterials, hybrids, organic, and liquid scintillators: Part 2

Session

9:45 – 9:57 AM

Triggering biorthogonal photoclick reactions with nanoscintillators : a new in vivo application ?

Speaker

Aurélie Bessière (Institut Charles Gerhardt Montpellier (ICGM), Université de Montpellier, CNRS)

9:57 – 10:09 AM

Engineering energy-harvesting multicomponent nanoscintillators for enhanced cancer radiotherapy

Speaker

Irene Villa (Dept. Materials Science University of Milano-Bicocca)

10:09 – 10:21 AM

Radiotherapeutic Impact of Nanoscintillators: Interplay of Physical Dose Effects and Biological Radiosensitization

Speaker

Anne-Laure Bulin (University Grenoble Alpes, Inserm, CNRS, Institute for Advanced Biosciences)

10:21 – 10:33 AM

Scintillating Nanoparticles for X-Ray–Activated Photodynamic Radiosensitization

Speaker

Mileni Isikawa (Universidade de São Paulo)

10:33 – 10:45 AM

Mesoscale Architecture of RE-doped HfO2 Nanophosphors: Does Local Density Matter?

Speaker

Alessandro Lauria (Laboratory for Multifunctional Materials - ETH Zurich)

10:50 AM

10:50 AM

Coffee break

Session

11:20 AM

11:20 AM

Session 7 : Scintillators for neutron detection and imaging: Part 1

Session

11:20 – 11:38 AM

[Key-note] Highly efficient 6Li-doped copper halide scintillators toward neutron and gamma detection

Speaker

Yuhao Zhang (Shanghai Institute of Ceramics, Chinese Academy)

11:38 – 11:50 AM **Lithium Iodide Scintillator for Advanced Neutron Instruments**

Speakers
Jun Wang (Radiation Monitoring Devices, Inc.), Vivek Nagarkar (Radiation Monitoring Devices, Inc.)

11:50 AM – 12:02 PM **Fission-energy neutron response of CLYC**

Speaker
Thibault Laplace (University of California, Berkeley)

12:02 – 12:14 PM
Fabrication and properties of Tb-doped gadolinium oxysulfide scintillation ceramics for neutron imaging

Speaker
Jiang Li (Shanghai Institute of Ceramics, Chinese Academy of Sciences)

12:14 – 12:26 PM
Experimental and Monte Carlo Evaluation of a CLLBC-Based Gamma–Neutron Spectroscopy System for Planetary Hydrogen Detection

Speaker
Sang Woo Kim (Korea Institute of Geoscience and Mineral Resources (KIGAM))

12:26 – 12:38 PM
Cross-Facility Characterization of Neutron Imaging: CROCUS Zero-Power Reactor versus SINQ Spallation Source

Speaker
Michel Saliba (EPFL)

12:40 PM

12:40 PM **Lunch**
Session

2:10 PM

2:10 PM **Session 8 : Crystal growth and structural control**
Session

2:10 – 2:28 PM
[Key-note] Melt-Growth of $Cs_3Cu_2I_5$ Single Crystals: Growth Behavior and Inch-Sized Scintillation Performance

Speaker
Yuntao Wu (Shanghai Institute of Ceramics, Chinese Academy of Sciences)

2:28 – 2:40 PM
Crucible-free growth of bulk Sn-doped Ga2O3 single crystals by pulling from a cold container technique

Speaker
Vladimir Kochurikhin (C&A Corporation, Sendai, Japan)

2:40 – 2:52 PM **Electrochemical growth of copper-halide scintillators**

Speaker
Murilo Faleiros (King Abdullah University of Science and Technology)

2:52 – 3:04 PM
Zone Refining Assisted Bridgman Purification of $CsPbBr_3$ Crystals for Gamma Ray Spectroscopy

Speaker
Mert Turfanda (Queen's University)

3:04 – 3:16 PM
Cs3Cu2I5 Single Crystals Grown with Oleic- and Formic-Acid-Assisted Additives: Effects on Crystal Quality and Scintillation Properties

Speaker
Bhavika . (Indian Institute of Technology Roorkee)

3:16 – 3:28 PM
Segregation-Limited Homogeneity Links Defect Density to Scintillation Performance in Multicomponent Single-Crystal

Speaker
Karol Bartosiewicz (Institute of Physics of the Czech Academy of Sciences)

3:28 – 3:40 PM
Growth and Performance Progress of Dual Detection Mode Tl-based Elpasolite Scintillators with Single and Dual Dopants

Speaker
Rastgo Hawrami (Fisk University)

3:40 – 3:52 PM
Growth and Characterization of Radioactive source doped $CeBr_3$ Crystal Scintillators

Speaker
Jakrapong Kaewkhao (Nakhon Pathom Rajabhat University)

4:00 PM

4:00 PM
6:40 PM
Poster Session: Poster Session & Coffee break
Poster Session

4:00 PM
Poster Session: Applications of scintillators in fundamental research, health, environment, energy, metrology, and industrial controls
Poster Session

Recent Status of the Real-time Dose-Rate Monitor with Optical-Fiber and Red/Infrared Scintillator for the Decommissioning Step

Speaker
Shunsuke Kurosawa (The University of Tokyo)

Timing characteristics of inter-crystal optical crosstalk in BGO-based TOF-PET detectors

Speaker
Yong Hwan Sul

Intrinsic depth of interaction resolution study using dual-ended readout of LYSO crystals

Speaker
Zheng Liu

Performance study of GAGG scintillators for gamma-ray detection in nuclear reaction experiments

Speaker
Xesus Pereira-Lopez (CENS, IBS)

Compact SiPM-Coupled Scintillation Detector for Hard X-Ray Spectroscopy in Fusion Plasmas

Speaker
Siriyaporn Sangaroon (Mahasarakham University)

Evaluation of the Detector Response Linearity of Halide Scintillators for Spectrometric Determination of the Dose Rate

Speaker
Young-Yong Ji (Korea Atomic Energy Research Institute)

Scintillation Fiber-Optic Detectors for Proton Beam Registration

Speaker
Yuriy Zorenko (Kazimierz Wielki University in Bydgoszcz in Bydgoszcz)

Implementation of a Novel Pure LaCl3 Scintillation Detector for Hard X-Ray Diagnostics in Thailand Tokamak-1

Speaker
Sawarin Buakham (Mahasarakham University)

A Filter-Free Dual-Layer Flat-Panel Detector Architecture for Dual-Energy Imaging Based on Scintillator-Based Spectral Separation

Speaker
Jiyong Shim (Yonsei University)

LiCaAlF6:Eu Nanoscintillators for X-Ray Triggered Release of Nitric Oxide

Speaker
João Victor Viera Lessa (University of São Paulo)

Gamma-Ray Dose Assessment Framework Using a Stilbene Organic Scintillation Detector

Speaker
deokseong kim (Korea Atomic Energy Research Institute)

Development of Scintillation Detectors for Energetic Particle Confinement Studies in Magnetic Confinement Fusion at National Institute for Fusion Science

Speaker
Kunihiro Ogawa (National Institute for Fusion Science)

Energy Discrimination using a Phoswich for Material Separation in X-ray Transmission Imaging

Speaker
Alexander Kippax (University of Manchester)

Pre-study of an enriched Li2100MoO4 scintillating bolometer in China

Speaker
Mingxuan Xue

Analysis of Neutron-Induced Degradation and Recovery Characteristics of LaBr3(Ce) Detector Performance in PGNAA Environments

Speaker
Ki-Yoon Lee (Kangwon National University)

In-silico study of quantum ghost imaging with entangled annihilation photons

Speaker
Ana Marija Kožuljević (Institute for Medical Research and Occupational Health)

Development of a Gamma-Ray and Neutron Detector using CLLBC for Planetary Applications

Speaker
Kyeong Ja Kim

Modeling the Effects of Scintillation-Induced Spatial Response on Dual-Layer Charged Particle Imaging for Radiopharmaceuticals

Speaker
Hyeyeun Chu (Seoul National University)

Development of a PINN-Based AI Algorithm for Inventory Verification of CANDU Spent Nuclear Fuel

Speaker
Juwan Kang (Dept. of Radiation Convergence Engineering, Yonsei University, Republic of Korea)

Eu-Doped $BaSO_4$ Nanoscintillator for X-Ray-Activated Photodynamic Therapy

Speaker
João Lessa (USP)

Properties of Li-doped Perovskite scintillator grown by a room temperature solvent evaporation crystallization method

Speaker
Bhavika . (Indian Institute of Technology Roorkee)

Synthesis and characterization of blue-emitting core-shell nanoscintillators for X-ray induced photodynamic therapy (X-PDT) applications

Speakers
Jezabel Teixeira (University of São Paulo (USP)), Éder Guidelli (USP)

Radiophotoluminescent Ag+ doped phosphate glasses used for high level dosimetry: online radiation induced attenuation and photoluminescence studies at high doses.

Speaker
Matteo Ferrari

Composite scintillators based on the single crystalline films and crystals of garnet and perovskite compounds with extended capability for separation of β/γ radiation

Speakers
Yurii Syrotych (Kazimierz Wielki University in Bydgoszcz. Department of Physics), Yuriy Zorenko (Kazimierz Wielki University in Bydgoszcz in Bydgoszcz)

Development and Performance of a Si-CsI-GAGG detector Array for Coincidence Measurements

Speaker
Sunji Kim (Institute for Basic Science)

Application study of Scintillation Materials Quenching Effect for Dose-averaged LET measurement in Heavy Ion Therapeutic beam

Speaker
Se Byeong Lee (National Cancer Center)

A Practical Dual-Path Approach for I-129 Recovery Determination Using LSC with an LEGe backup

Speaker
Rina Woo (Radiation of Science Research Institute)

Evaluation of the Effects of Cd Shell Gaps on D_2O-Moderated ^{252}Cf Neutron Spectra

Speaker
Hyeongjin Kim (Central Research Institute of KHNP)

Scintillation Properties of a Stilbene Crystal for Low-mass Dark Matter Search

Speaker
Se Hwan Lee (Jeju National Universit)

Improving X-Ray Material Separation in Cargo Screening with Fast Scintillators

Speaker
Adam Barr (University of Manchester)

Thin-layer scintillators of low-dimensional Cs3Cu2I5 developed for charged-particle spectroscopy

Speaker
Mátyás Hunyadi (HUN-REN Institute for Nuclear Research)

Measurement of 210Po α contamination in a BGO cryogenic bolometer

Speaker
Deyong Duan (University of Science and Technology of China)

Development the Neutron Spectrometer on the Moon using Scintillators

Speaker
Sukwon Youn (Seoul National University)

Real-time alpha-particle trajectory imaging using a thin GAGG(Ce) scintillator for targeted radionuclide therapy

Speaker
Seiichi Yamamoto (Waseda University)

DOI-based directional radiation monitoring system: Experimental verification of Septa for improving DOI estimation accuracy

Speaker
Yoon Soo Chung (Yonsei univ.)

Data Processing of KPLO (Korea Pathfinder Lunar Orbiter) Gamma-Ray Spectrometer

Speaker
Suyeon Kim (Korea Institute of Geoscience and Mineral resources)

Development of a Compact Spherical CsI(Tl)-SiPM Detector with Isotropic Response for Environmental Radiation Monitoring

Speaker
Jiwon Ra (Yonsei university)

Elimination of Background Radiation Using a BGO Scintillator for a Subminiature Gamma Camera in Robotic Surgery

Speaker
Park Youngjoo (Korea University)

3D Radiation Mapping System Applied to Handheld and Mobile Robotic Plaforms

Speaker
Joonhyuk Lee (Jeju National University, Jeju-si, Jeju-do, Republic of Korea)

Plastic Scintillator Muon Detector (PSMD) for AMoRE-II

Speaker
Go Woon Kim (CUP, IBS)

Feasibility Study of Cherenkov–Scintillation Separation in Liquid Scintillators Using Frequency-Domain Analysis

Speakers
Jooyoung Lee (Kyungpook National University), K.M. Lee (Korea University)

CRYTUR’s Capabilities in the Manufacturing of Advanced Single-Crystal Scintillators and Assemblies

Speaker
Ondrej Zapadlik (Crytur)

6:40 PM

4:00 PM

Poster Session: Crystal growth and structural control

Poster Session

Scintillation Properties of Large BSO Crystals for Future High-Energy Physics Experiments

Speaker
Mingxue Deng (Shanghai Institute of Ceramics, Chinese Academy of Science)

Mass production of enriched Li2100MoO4 crystals with high purity levels

Speaker
JuKyung Son (Center for Underground Physics, Institute for Basic Science)

Features of Czochralski growth of 2-inch Ce-doped Y-Al-Ga garnet crystals for scintillator applications

Speaker
Yasuhiro Shoji (C&A Corporation)

NaI(Tl) polycrystals grown by skull method for well-logging applications

Speaker
Volodymyr Taranyuk (Institute for Scintillation Materials, NAS of Ukraine)

Low-Temperature Gradient ITC Growth of Transparent MAPbBr3 Single Crystals for Scintillator

Speaker
Sion Kim (Korea Atomic Energy Research Institute(KAERI), University of Science and Technology(UST))

Improving Internal Radiopurity in NaI(Tl) Crystals for Dark Matter Search Experiments

Speaker
KeonAh Shin (CUP, IBS)

Precursor procurement, purification, and assay in Li2100MoO4 crystal synthesis for AMoRE-II

Speaker
Olga Gileva (Center for Underground Physics, IBS)

Suppressing NaI(Tl)–Quartz Adhesion with NH_4I: Successful 3×3” Bridgman Growth

Speaker
LAM TAN TRUC (Kyungpook National University, Republic of Korea)

SUBSTRATE-GUIDED GROWTH OF MILLIMETER-THICK, LARGE-AREA PEROVSKITE SINGLE CRYSTALS FOR HIGH-PERFORMANCE X-RAY DETECTION

Speaker
KIM HYUNJUN

Melt growth of 1 inch CsPbBr3 single crystal and photoconductivity studies

Speaker
PRADHUMN DIXIT (BARC Mumbai)

$CsCu_2I_3$ Single Crystals via Bridgman Technique for Scintillator Applications

Speaker
Hemlata Kumawat (Homi Bhabha National Institute,BARC, Mumbai, India-400094)

Improved performance of single crystal-based X-ray detector via 2D layer formation

Speaker
Dakyoung Lee

Bridgman growth and luminescence properties of Na-doped Li2MoO4 crystals

Speaker
( )

Optical and Scintillation Properties of Lu3TaO7 Single Crystals with High Density Grown by Advanced Crystal Growth Method

Speaker
Yuui Yokota (Tohoku University)

Interface engineering in Halide Perovskite Single Crystal (PSC) devices for enhanced Gamma Spectroscopy

Speaker
PRACHI GUPTA (INDIAN INSTITUTE OF SCIENCE IISc BANGALORE)

Evaluation of the Spectroscopic Reliability of Lead-Free Cs3Cu2I5 Perovskite Scintillators for Nuclear Medicine

Speaker
Chansun Park (Korea University)

6:40 PM

4:00 PM

Poster Session: Characterization of scintillators

Poster Session

Potential Pr3+ doped LaOF scintillators with varying Pr3+ concentrations obtained from hydroxycarbonates precursors for ionizing radiation detection.

Speaker
Erick Henrique (São Paulo State University (UNESP) Institute of Chemistry)

Scintillation property of BaO-Y2O3-B2O3, BaO-Y2O3-SiO2, and BaO-Y2O3-P2O5 glasses

Speaker
Haruaki Ezawa (Nara Institute of Science and Technology)

Characteristics of DAMC loaded LAB-based Liquid Scintillator

Speakers
H.J. Lee (Kyungpook National University), Jooyoung Lee (Kyungpook National University)

Toward a standardization of scintillating performances of nanoscintillators

Speaker
Christophe Dujardin (Université Claude Bernard Lyon1 - CNRS)

Influence of terbium content on the photoluminescence properties of Ce-doped TbxGd3-xAl5O12

Speaker
Arnoldas Solovjovas (Vilnius University)

La:Lu2O3 single crystal scintillators

Speaker
Oleg Sidletskiy (ENCEMBLE3 Centre of excellence)

Optimization of Nano-scale TiO2 Reflectors via Atomic Layer Deposition for High-Resolution Scintillation Detectors

Speaker
Sangsu Kim (Global Health Technology Center, Korea University, Seoul, Republic of Korea)

Improvement of Scintillation Light Yield in Ce:CaHfO3 Single Crystal through Be-substitution

Speaker
Yusuke Endo (Nara Institute of Science and Technology)

radiation hardness of Cs3Cu2I5 single crystal perovskite scintillator

Speaker
jiwon seo (Korea Institute of Fusion Energy)

X-Ray Excited Optical Luminescence of Rare-Earth Oxychloride, Chloride and Fluoride Nanoparticles Doped with Eu3+, Pr3+ and Dy3+

Speaker
Gabriel Luis Colombo (São Paulo State University (UNESP), Institute of Chemistry, Araraquara, Brazil)

GdOCl:Eu3+ nanoparticles obtained from the thermal decomposition of the precursor Gd(OH)3:Eu3+: Luminescence with UV-Vis and X-Ray Excitation (XEOL)

Speaker
Gabriel Luis Colombo (São Paulo State University (UNESP), Institute of Chemistry, Araraquara, Brazil)

Ultra-bright, non-hygroscopic, high performance 0D all-inorganic lead-free perovskite Cs3Cu2I5:Tl scintillator for efficient radio-voltaic and other applications of radiation detection

Speaker
Henry Chen (Brimrose Technology Corp)

Gamma-Ray Induced Radiation Damage and Phosphorescence in BaF2: 0-20 at% Y Crystals

Speaker
Junfeng Chen (Shanghai Institute of Ceramics, Chinese Academy of Sciences)

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

Speakers
Duy Quang Nguyen (Dalat Nuclear Research Institute), Yaowaluk Tariwong (Chiang Mai University)

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

Characteristics of Lithium Benzoate loaded Water-based Liquid Scintillator

Speakers
D.E. Jung (Chonnam National University), Jooyoung Lee (Kyungpook National University)

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

Speaker
Han Cheol Yang (Hanyang University)

Photoluminescence and Scintillation Properties of Tb-doped Sr3TaGa3Si2O14 Single Crystals

Speaker
Ryosei Takahashi (Nara Institute of Science and Technology)

Near-infrared Scintillation Properties of Nd-doped CaZrO3 Crystals Grown by the Floating Zone Method

Speaker
Keita Miyajima (Nara Institute of Science and Technology)

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

Speaker
Seungho Song (Korea University)

Temperature-driven changes in photoluminescence and pulsed photoluminescence of Xe-irradiated $MgAl_2O_4$ single crystals

Speaker
Abdirash Akilbekov (L N Gumilyov Eurasian National University)

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

Speaker
Hyeong Gu Kang (Department of Nuclear Engineering, Hanyang University)

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

Speaker
Sedong Park (Kyungpook National University)

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

Speaker
Jaehyo Kim (Department of Energy Systems Engineering, Seoul National University)

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

Speaker
Won Kyung Kim (University of Science & Technology (UST), IBS School)

Study of Light Transport inside Crystal Fibres

Speaker
Julie Delenne (CERN)

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

Speaker
Alice PERRET (CEA)

Multi-Energy Gamma-Ray Spectroscopy Using a CsI(Tl) Scintillator Coupled to SiPM and FPGA-Based Electronics

Speaker
Kamal Asghar (Korea Atomic Energy Research Institute, UST)

Thallium-based new high-density scintillator crystal: Tl2SiF6

Speaker
Joseph Daniel D (Kyungpook National University, CHEP)

Simulation of the energy response function of BGO and Gd2O2S scintillators for flash radiography applications

Speaker
Olivier Delattre (Commissariat à l'Énergie Atomique)

Crystal growth and optimization of post-annealing condition of intrinsic scintillator YNbO4

Speaker
Shohei Kodama (Saitama University)

Crystal growth and luminescence properties of Cs-Zn-Br-based materials

Speaker
DUC TON NGUYEN (Department of Physics, Kyungpook National University)

Radiation-Induced Structural, Optical, and Luminescent Changes in $Gd_3Ga_5O_{12}$ under Swift Heavy-Ion Irradiation

Speaker
Marina Konuhova (Institute of Solid State Physics, University of Latvia)

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

Speaker
Samuel Simons

Scintillators based on the Ce3+ Doped of Gd1-xYxAP:Ce Mixed Perovskites: Comparative Study Crystals and Single Crystalline Films under Synchrotron Radiation Excitation

Speakers
Artur Majewski- Napierkowski (Kazimierz Wielki University), Yuriy Zorenko (Kazimierz Wielki University in Bydgoszcz in Bydgoszcz)

Temperature-driven changes in photoluminescence and pulsed photoluminescence of Xe-irradiated $MgAl_2O_4$ single crystals

Speaker
Abdirash Akilbekov (L N Gumilyov Eurasian National University)

6:40 PM

4:00 PM

Poster Session: Scintillators for fast-timing detection and imaging

Poster Session

Joint Sparse Deconvolution of Timing and Energy Waveforms for Photon Arrival Reconstruction

Speaker
Minseok Yi (Seoul National University)

2 inch diameter growth of Ce,Mg :Y3(Ga,Al)5O12 scintillator and prototyping of fine-pitch scintillator arrays for pulse-counting CT

Speaker
Kei Kamada (Tohoku Univ.)

Performance Studies of the CRILIN Semi-Homogeneous Calorimeter with PbF2 Crystals and SiPM Readout

Speaker
Ivano Sarra (LNF - INFN)

Development of a Scintillator-based Veto Counter for High-Intensity Pion Beam Experiments at J-PARC E45

Speaker
Jaejin Lee (Department of Physics, Kyungpook National University)

Neutron-Irradiation Effects on SiPM Stability and Annealing Behavior

Speaker
Jun Hyung Park (Kyungpook National University)

Defect Engineering via Isovalent and Aliovalent Co-Doping for Enhanced Scintillation Performance in CsI:Tl Single Crystals

Speaker
Durgesh Singh Sisodiya (Center for Innovation and Technology Excellence, Titan, Jaipur, India)

A Beam Test Study on Timing Resolution of Various Scintillating Crystals

Speaker
Lingyue Chen (Institute of High Energy Physics,Chinese Academy)

Investigation of the performance of metal halide scintillator films on CMOS flat panel detector for X-ray imaging application

Speaker
Bo Kyung Cha (KERI)

Design and Development of a ZnS:Ag-based Fast-Ion Loss Probe for the Compact Helical Device

Speaker
SHENG DONG (SOKENDAI)

Growth and scintillation properties of Mo co-doped Ce:$Gd_3(Ga,Al)_5O_{12}$ single crystals

Speaker
KYOUNG JIN KIM (NICHe, Tohoku University)

Characterization of Light-Guide–Coupled SiPM Readout for Scintillating Fiber Detectors

Speaker
Bogyeong Seo (Kyungpook National University)

Experimental Study of Signal Linearity in PMTs and SiPMs for Scintillation Readout

Speaker
junseop Shin

Growth of ZnO microwires on BGO substrate for scintillation heterostructures

Speaker
Magdalena Konefał (NanoBioMedical Centre, Adam Mickiewicz University, Poznań, Poland)

Exploration of Ultra Fast and Bright Scintillators

Speaker
Kaleab Ayalew (National Nevada Security Sites)

6:40 PM

4:00 PM

Poster Session: Mechanisms and theory of scintillation

Poster Session

Effect of the nanoparticle size on the scintillation of polymeric composites.

Speaker
Angelo Monguzzi (Dipartimento di Scienza dei Materiali, Università Milano - Bicocca)

Luminescence Mechanisms in Cr3+-doped (Ga1-x-yInxAly)2O3 and Li(Ga1-x-yInxAly)5O8 Alloys: Insights from the Electronic Structure Calculations

Speaker
Yuriy Hizhnyi (Donetsk Institute for Physics and Engineering of NAS of Ukraine)

Harnessing Collective Phenomena in Hybrid Nanocomposites for Bright and Fast Scintillation

Speaker
Xiaohe Zhou

Mechanisms of Enhancing the Light Yield of KCl:Li Crystals under X-ray and VUV-Radiation

Speakers
Adelya Kenzhebayeva (K. Zhubanov Aktobe Regional University), Shunkeyev, Shynar Sagimbayeva, Yuriy Zorenko (Kazimierz Wielki University in Bydgoszcz in Bydgoszcz)

The history of scintillator discovery and the challenges that lie ahead

Speaker
Pieter Dorenbos (Delft University of Technology)

Excitation and Emission Properties of Tb- and Ce-doped Li6Ln(BO2)3 (Ln=Gd, Y) in the UV/VUV Region

Speakers
Eunjin Choi (Kyungpook National University), Hwanbae Park (Kyungpook National University), Jaeyoung Cho (Center For High Energy Physics)

Mechanisms of optically stimulated luminescence in BaF2

Speaker
Jacob Christian Warming (Department of Physics and Astronomy, Aarhus University)

6:40 PM

4:00 PM

Poster Session: Scintillators for neutron detection and imaging

Poster Session

Neutron Flux Characterization and Dose Assessment for Encapsulated Americium Oxide Using a Stilbene Scintillator-Based Spectrum Unfolding Method

Speaker
Wonku Kim (Korea Atomic Energy Research Institute)

Developing Fast Scintillators for Neutron Detection

Speaker
Cai Lin Wang

Design Study of Hard X-ray Spectrometer Array for Suprathermal Electron Measurement in Compact Helical Device

Speaker
WU YINGHAN (SOKENDAI)

Investigation of the imaging characterization of polycrystalline scintillation screens with high spatial resolution for neutron radiography

Speaker
Bo Kyung Cha (KERI)

Phoswich detector for discrimination of thermal and fast neutron

Speaker
Mohit Tyagi (Bhabha Atomic Research Centre)

Development of CsLiI:Tl single crystal scintillators for thermal neutron detection

Speakers
deepika sharma (Indian institute of technology Roorkee, India), Mohit Tyagi (Technical Physics Division, Bhabha Atomic Research Centre, Mumbai – 400085, INDIA), Manda Sonawane (Technical Physics Division, Bhabha Atomic Research Centre, Mumbai – 400085, INDIA), Anil kumar Gourishetty (Technical Physics Division, Bhabha Atomic Research Centre, Mumbai – 400085, INDIA)

Verification & validation of the collision tracking feature in OpenMC for light output simulations in organic scintillators

Speaker
Oskari Pakari (Ecole Polytechnique Federale de Lausanne)

Characterization of a Phoswich Detector Using CLYC and Plastic Scintillators

Speaker
HyeoungWoo Park (KHNP)

Development of a scintillator-based photon counting detector for X-ray imaging applications

Speaker
Canwen Liu (Tsinghua University)

Quenching-Factor Determination for (n,p) and (n,α) Reactions in CLYC Using KRISS Mono-energetic Neutrons

Speaker
Sinchul Kang (IBS)

6:40 PM

4:00 PM

Poster Session: Nano- and metamaterials, hybrids, organic, and liquid scintillators

Poster Session

Cost Effective Fabrication of LaF3:Ce Nanophosphor Embedded Hybrid Plastic Scintillator for Radiation Detection Applications

Speaker
Praveen Joshwa Ramesh (Research Scholar (JRF))

Luminescent hybrid halide material for scintillation and latent fingerprint development

Speaker
Pragati Sahu (CSIR-National Chemical Laboratory, Pune 411008, India)

Effects of Irradiation on Luminescent Properties of CexLa1-xF3:Tb3+ Scintillating Nanoparticles

Speaker
Xenie Lytvynenko (Czech Technical University in Prague)

Structural, Optical, and Electrical Evolution of Copper Selenite Nanocrystals Induced by Annealing

Speaker
Gulnaz Sarsekhan (Eurasian national university)

Nanocomposite Scintillator Films for Enhanced Gamma-Ray Interaction

Speaker
Karmel DE OLIVEIRA LIMA (CEA-List)

P-Terphenyl as Novel Organic Scintillator for Alpha Spectroscopy, X-ray, Beta, and Neutron Detection as well as other Advanced Applications

Speaker
Henry Chen (Brimrose Technology Corp)

Development of a Flexible 64-Channel X-ray Imaging System based on CsPbBr3-Polymer Nanocomposite Scintillators

Speaker
Jeong Min Park (Korea Atomic Energy Research Institute)

Facile, scalable, and high-yield synthesis of a near-unity quantum yield zero-dimensional copper halide Cs3Cu2Cl5 scintillator for high-resolution X-ray imaging

Speaker
Youngseung Choi (Korea Advanced Institute of Science and Technology)

Additive Manufacturing of Photopolymerizable Organic Scintillators for Triple Radiation Discrimination

Speaker
Margo Cicero (United States Naval Academy)

Performance of extruded polystyrene-based plastic scintillators

Speaker
Rastislav Hodak (IEAP CTU in Prague (Czechia))

Scalable Nanophotonic Scintillators

Speaker
James Pratt (University of Oxford)

Investigation of Light Collection Enhancement in Scintillation Detectors via Micro-lens Array

Speaker
Suyeon Hyeon

Synthesis, Characterization and X-ray Scintillation of CaWO4 Embedded Polystyrene Composite Films

Speaker
Manaswita Patnaik (Birla Institute of Technology, Mesra, Ranchi, India)

Rh Doping Effects in $BaTiO_3$ Semiconductor Nanoparticles for Oxygen Evolution Reaction

Speaker
Abuova Aisulu (Eurasian National University)

Ce-doped yttrium silicate nanoscintillators prepared by reactive nanocasting: towards porous scintillating silicate monoliths for gas detection

Speaker
Aurélie Bessière (Institut Charles Gerhardt Montpellier (ICGM), Université de Montpellier, CNRS)

Development of CsI:Tl Nanoparticles by Pulsed Laser Ablation Technique for Radiation Detection

Speaker
Divya Pandya (Indian Institute of Technology, Madras)

Cathodoluminescence Characterization of Luminescent Fluoride Nanoparticles

Speaker
Ondrej Lalinsky (Institute of Scientific Instruments, Czech Academy of Sciences)

Engineered Nanostructuring in Lu_2O_3:Eu for Enhanced Scintillation Efficiency: From Core-Shell Design to Benchmarked Performance

Speaker
AMRITPAL SINGH NAFRIA (Lamrin Tech Skills University)

Stokes Shift-Engineering Strategies Toward Reabsorption-Free Nanoscintillators

Speaker
Chenger Wang (Dipartimento di Scienza dei Materiali, Università degli Studi di Milano-Bicocca, Via R. Cozzi 55, 20125, Milano, Italy)

Exploration of Ultra Fast and Bright Scintillators

Speaker
Kaleab Ayalew (National Nevada Security Sites)

Polymer-Assisted Precursor Spin-Coated Cs-Cu-I Thin Films for Scintillator

Speaker
Se Hyun Park (School of Advanced Materials Science and Engineering, Sungkyunkwan University)

6:40 PM

4:00 PM

Poster Session: Optical ceramics and glasses

Poster Session

Effect of Soaking Time on the Optical and Scintillation Performances of Tb3+ Doped Oxyhalide Phosphate Glass

Speaker

Nuttawadee Intachai (Department of Radiologic Technology, Faculty of Associated Medical Sciences, Chiang Mai University)

From discrete-pixel scintillation detector matrices for X-ray scanners to integrated technology via a ceramic-based fabrication route

Speaker

Petr Sokolov (NRC "Kurchatov institute")

Luminescence Characteristic of Phosphate Glasses Scintillators

Speaker

Siriprapa Kaewjaeng

The development of new Ce3+ doped silicophosphate glass for X-ray scintillator and application to synchrotron x-ray imaging

Speaker

Nuanthip Wantana (Nakhon Pathom Rajabhat University, Thailand)

3D Printing of Sol-Gel Synthesized BGO Nanoparticle Ceramics for Radiation Detection

Speaker

Vivek Anand (Indian Institute of Technology Roorkee, India)

Effects of halide component on luminescence and scintillation performance of Ce3+ doped inorganic phosphate glasses for radiation detection

Speaker

YAOWALUK TARIWONG (Center of Radiation Research and Medical Imaging, Department of Radiologic Technology, Faculty of Associated Medical Sciences, Chiang Mai University, Chiang Mai, Thailand)

Sm3+-doped Sodium Yttrium Borate Glass for X-ray Imaging Scintillator

Speaker

Eakgapon Kaewnuam (Muban Chombueng Rajabhat University)

Tb^{3+}-Doped Alkali Boro-Phosphate Glasses as Promising Scintillators for X-Ray Imaging Applications

Speaker

Nuchjaree Kiwsakunkran (Physics Program, Faculty of Science and Technology, Nakhon Pathom Rajabhat University, Nakhon Pathom, 73000, Thailand)

Scintillation and Synchrotron X-ray Tomography Performance of Ce^{3+}-Activated Oxyhalide Glass Scintillators

Speaker

suchart kothan (Center of Radiation Research and Medical Imaging, Department of Radiologic Technology, Faculty of Associated Medical Sciences, Chiang Mai University, Chiang Mai, 50200, Thailand)

Fast Fabrication of Eu2O3-Doped Silicate Glass Scintillator Prepared by Microwave Melting Technique

Speaker

Nakarin Singkiburin (Physics Program, Faculty of Science and Technology, Nakhon Pathom Rajabhat University, Thailand)

6:40 PM

Wed, May 27

9:00 AM

Invited talk: Rosana Martinez Turtos

Session

9:45 AM

9:45 AM

Session 9 : Mechanisms and theory of scintillation

Session

9:45 – 9:57 AM

Continued Progress in Spectroscopic Characterization of Scintillators with Cation Isoelectronic Impurities

Speaker

Yuriy Zorenko (Kazimierz Wielki University in Bydgoszcz in Bydgoszcz)

9:57 – 10:09 AM

Core-level excitation and excitonic processes in heavy ternary fluorides

Speaker

Vitali Nagirnyi (Institute of Physics, University of Tartu)

10:09 – 10:21 AM

Unveiling the Microscopic Mechanism of Mg Co-doped GAGG:Ce Scintillators: From Defect Thermodynamics to Quantum Optical Acceleration

Speaker

Yiran Hou

10:21 – 10:33 AM

Bridging UV and soft X-ray excitation in luminescent materials for scintillation and dosimetry

Speaker

Roberto Lorenzi (University of Milan - Bicocca)

10:33 – 10:45 AM

Lattice dynamics of Cs3Cu2I5 scintillator investigated by temperature-dependent inelastic neutron scattering

Speaker

Lorant Csige (HUN-REN Institute for Nuclear Research)

10:50 AM

10:50 AM

Coffee break

Session

11:20 AM

11:20 AM

Session 10 : Applications of scintillators in fundamental research, health, environment, energy, metrology, and industrial controls: Part 2

Session

11:20 – 11:38 AM

[Key-note] Color-tunable Scintillating Nuclear Battery based on dye-sensitized plastic scintillators

Speaker

Francesca Cova (University of Milano - Bicocca)

11:38 – 11:50 AM

Empirical Test of Gamma Emission Tomography to Inspect Partial-defect within PWR-type Spent Nuclear Fuel

Speaker
Hyung-Joo Choi (Department of Radiation Convergence Engineering, Yonsei University, Republic of Korea)

11:50 AM – 12:02 PM

Introduction of the High-Energy Neutron and Ion Implant Accelerator Facility at the KOMAC

Speaker
Young Seok Hwang (Korea Atomic Energy Research Institute)

12:02 – 12:14 PM

Understanding Scintillation in Focused sub-10keV Electron Beam Irradiation for novel Electron Microscopy Detectors

Speaker
Monika Molnar (Technical University Delft)

12:14 – 12:26 PM

MET: A High-Sensitivity Multiple Emission Tomography Scanner Based On Inorganic Scintillators

Speaker
Marco Pizzichemi (CERN)

12:26 – 12:38 PM

Investigation of High-Sensitivity TOF-PET Modules with Depth-of-Interaction Capability

Speaker
Giulia Terragni (CERN)

12:38 – 12:50 PM

In Situ Dose Measurements in Brachytherapy and External Beam Radiotherapy Using Scintillation Fiber-Optic Detectors

Speaker
Janusz Winiecki (Collegium Medicum - Nicholas Copernicus University, Poland and Oncology Center in Bydgoszcz, Poland)

12:50 PM

12:50 PM

Lunch and Excursions

Session

6:50 PM

Thu, May 28

9:00 AM – 9:45 AM

Invited talk: Hyunsu Lee

Session

9:45 AM – 10:50 AM

Session 11 : Scintillators for neutron detection and imaging: Part 2

Session

9:45 – 9:57 AM

Advances in 3D-printed plastic scintillators: new results on timing performance, PSD, optimization, and environmental durability

Speaker
Vivek Anand (Indian Institute of Technology Roorkee, India)

9:57 – 10:09 AM

Size matters not: fast neutron detection with fiber-coupled sub-mm3 organic scintillator.

Speaker
Alexis Dupont-Bembinoff (Ecole Polytechnique Fédérale de Lausanne (EPFL))

10:09 – 10:21 AM

Fabrication of Novel Deuterated Plastic Scintillators for Neutron Spectroscopy

Speaker
Daniel Rutstrom (Air Force Institute of Technology)

10:21 – 10:33 AM

Rapid Photocured Plastic Scintillators for Radiation Detection and Additive Manufacturing Applications

Speaker
Chandler Moore (Air Force Institute of Technology)

10:33 – 10:45 AM

Spatially Resolved Neutron–Gamma Discrimination Using Neutron-Sensitive Scintillators and Event-Mode Imaging

Speaker
Nicholas Mendez (Los Alamos National Laboratory)

10:50 AM – 11:20 AM

Coffee break

Session

11:20 AM

Session 12 : Applications of scintillators in fundamental research, health, environment, energy, metrology, and industrial controls: Part 3

Session

11:20 – 11:32 AM **Light Signal Study with the AMoRE Cryogenic Light Detector**

Speaker
Bijaya Sharma (IBS School, UST)

11:32 – 11:44 AM

CUPID: Search for neutrinoless double beta decay with scintillating Li2MoO4 crystals

Speaker
Hao Chen (Fudan University)

11:44 – 11:56 AM

Cryogenic Performance of a Diffuse BGO Scintillator Array in the KAPAE Phase II Detector

Speaker
Dongwoo Jeong (KNU)

11:56 AM – 12:08 PM

Development of an Upgraded NaI(Tl) Crystal Encapsulation for the COSINE-100U Experiment: Maximizing Light Yield for Low-Mass Dark Matter Searches

Speaker
Insoo Lee (IBS)

12:08 – 12:20 PM **The SABRE North project at Gran Sasso Laboratory**

Speaker
Krzysztof Szczepaniec (I.N.F.N. Laboratori Nazionali del Gran Sasso)

12:20 – 12:32 PM

Development of a Cryogenic CsI and SiPM-based Detector with Ultra-high Light Yield for CEνNS Experiments

Speaker
Xilei Sun (Institute of High Energy Physics, CAS)

12:35 PM

12:35 PM

Lunch
Session

2:00 PM

2:00 PM

Session 13 : Characterizations of scintillators
Session

2:00 – 2:12 PM

The Industry-Scale (Gd,Y)AlO_3:Ce Single Crystal: optical, luminescence and scintillation characterization

Speaker
MARTIN NIKL (Institute of Physics of the Czech Academy of Sciences)

2:12 – 2:24 PM

Luminescence and energy transfer processes in Sc containing garnets

Speaker
Dmitry Spasskiy (Institute of Physics, University of Tartu)

2:24 – 2:36 PM

Influence of double aliovalent codoping on the luminescence of YAG:Ce scintillator

Speaker
Saulius Nargelas (Vilnius University)

2:36 – 2:48 PM

Energy Transfer and Luminescence Regulation Enabling Enhanced Scintillation Efficiency for High-Resolution X-Ray Imaging in Mn2+/Eu2+-Doped Cs3Cu2I5 Single Crystals

Speaker

Qiang Gao (State Key Laboratory of Functional Crystals and Devices, Shanghai Institute of Ceramics, Chinese Academy of Sciences, 201899, Shanghai, China)

2:48 – 3:00 PM

Impact of Cs+ doping on the Scintillation Performance of $Tl(Gd_{0.99}Ce_{0.01})_2Cl_7$ Single Crystals

Speaker

Gul Rooh (Kyungpook National University, Korea)

3:00 – 3:12 PM

Polymer-Enhanced $Cs_3Cu_2I_5$ Perovskite Scintillator Films with Improved Stability and X-Ray Imaging Quality

Speaker

Ha Neul Kim (Dept. of Photonics and Nanoelectronics, BK21 FOUR ERICA-ACE Center, Hanyang University ERICA, Ansan , 15588, Republic of Korea)

3:12 – 3:24 PM

Effect of Tertiary and Quaternary Polystyrene-Based Plastic Scintillators on Energy Transfer Efficiency in Radiation Detection

Speaker

Rajesh Paulraj (Sri Sivasubramaniya Nadar College of Engineering, Chennai, India)

3:24 – 3:36 PM

Trans-Stilbene Photoluminescence and Scintillation Property Evolution with Temperature

Speaker

Federico Moretti (Lawrence Berkeley National Laboratory)

3:40 PM

3:40 PM

Coffee break

Session

4:10 PM

4:10 PM

Session 14 : Nano- and metamaterials, hybrids, organic, and liquid scintillators: Part 3

Session

4:10 – 4:22 PM

Limiting exciton diffusion enhances the photoluminescence of $CsPbBr_3$ nanocrystal films at high excitation densities

Speaker

Simon Jessen (Aarhus University)

4:22 – 4:34 PM

Breaking the Concentration-Self-Absorption Trade-Off in Perovskite Nanoscintillators

Speaker

Francesco Carulli (Università di Milano-Bicocca)

4:34 – 4:46 PM

Development of cesium lead halide nanocomposite scintillators for high energy physics

Speaker
Jan Král (Institute of Physics of Czech Academy of Sciences, CTU in Prague)

4:46 – 4:58 PM

Near-infrared scintillation of lead halide perovskite nanocrystals for ultra-high dose rate dosimetry

Speaker
Vittoria Vigorito (University of Milano-Bicocca)

4:58 – 5:10 PM

Development of Cs3Cu2I5:Tl Optical-Guiding Crystal Scintillators and Geant4-Based Analysis of Micron-Scale Core Miniaturization

Speaker
Yuhei Nakata (Tohoku University)

5:10 – 5:22 PM

Low-temperature afterglow investigations of GGAG:Ce(4 mol%) scintillators synthesized via solvothermal method

Speaker
SHEETAL RAWAT (Pandit Deendayal Energy University)

5:30 PM

5:30 PM

Brainstorming of the future of Scintillation Science
Session

6:30 PM

8:00 PM

Banquet: Gala dinner
Session

10:00 PM

Fri, May 29

9:00 AM

Session 15 : Characterizations of scintillators: Part 3

Session

9:00 – 9:18 AM

[Key-note] Research on the novel glass scintillator for high-energy radiation detection

Speaker
Sen QIAN (IHEP CAS)

9:18 – 9:30 AM

Radiation Effects and Luminescence Properties of Optical Materials for Fusion Diagnostics and Scintillator Applications.

Speaker
Anatoli Popov (Institute of Solid State Physics University of Latvia)

9:30 – 9:42 AM

R&D on Radiation-Tolerant Organic Scintillators for High-Energy Physics Experiments

Speaker
Julie Delenne (CERN)

9:42 – 9:54 AM

Characterization of Lutetium-based cryogenic scintillating calorimeters.

Speaker
Mathew Stukel (SNOLAB)

9:54 – 10:06 AM

Impact of Swift Heavy ^{84}Kr Ions Irradiation on the Luminescent Properties of $R_3Al_5O_{12}$:Ce (R = Lu, Y, Tb) Single Crystalline Film Scintillators

Speaker
Alma Dauletbekova (L N Gumilyov Eurasian National University)

10:06 – 10:18 AM

Challenges in development of an undulator-based photoluminescence spectroscopy beamline

Speaker
Kirill Chernenko (MAX IV Laboratory, Lund University)

10:18 – 10:30 AM

Temperature Dependent Scintillation of Plastic Scintillators between 300 K and 4 K

Speaker
Nicholas Swidinsky (Queen's University)

10:30 AM

10:30 AM

Coffee break

Session

10:45 AM

10:45 AM

Session 16 : Applications of scintillators in fundamental research, health, environment, energy, metrology, and industrial controls: Part 4

Session

10:45 – 11:03 AM

[Key-note] Introduction to the KPLO Gamma-Ray Spectrometer and Major Scientific Results

Speaker

Kyeong Ja Kim

11:03 – 11:15 AM

Overcoming the Notorious Radiation Softness of Acrylate-Based Plastic Scintillators

Speaker

Anil Kumar Gourishetty (Indian Institute of Technology Roorkee, India)

11:15 – 11:27 AM

Garnet-Based Composite Scintillators for Radiation Dosimetry in BNCT Applications

Speaker

Sandra Witkiewicz-Lukaszek (Kazimierz Wielki University in Bydgoszcz and National Centre for Nuclear Research in Otwock/Świerk)

11:27 – 11:39 AM

pFGI: A High-Sensitivity Portable Fast Gamma Imager Using Large-Area Monolithic NaI(Tl) Scintillation Detectors

Speaker

Goeun Lee (Other)

11:39 – 11:51 AM

LiveX – A dual field of view detector for synchrotron studies of metal solidification

Speaker

Sion Richards (UKRI - Science and Technology Facilities Council)

11:55 AM

11:55 AM

Conference Closing Ceremony

Session

12:10 PM