

Poster Session I

The complete list of authors can be taken from the submitted abstract.

Tuesday, September 13

- P1.1** **Recombination of Correlated Electron-Hole Pairs with Account of Hot Capture with Emission of Optical Phonons**
Vitaly Mikhailin
- P1.2** **Scintillation Decay Time of Ce³⁺, Pr³⁺ and Nd³⁺**
Takayuki Yanagida
- P1.3** **Essential Improvement of Scintillation Parameters in Composites from Nanocrystalline Dielectrics and Organic Phosphors**
N. Klassen
- P1.4** **Differential Registration of Various Radiation Flows by means of Nanocrystalline Scintillators and Sapphire Fibers**
N. Klassen
- P1.5** **Nonproportionality Studies through the Application of High Isostatic Pressure**
Martín Gascón
- P1.6** **Effect of Aspect Ratio, Surface State and Optical Coupling on the Light Output of Scintillators**
K. Pauwels
- P1.7** **Meta-Materials with Intrinsic Optical Gain: A New Possibility to Achieve Single Photon Counting with ps Time Resolution?**
K. Attenkofer
- P1.8** **Instrumentation for X-Ray Excited and Laser Induced Fluorescence Lifetime Spectroscopy – Time Resolved Decay Spectra for Characterization of Fluorescence Materials Using Two-Dimensional Photon counting**
N.-P. Pook, C.-J. Fruhner
- P1.9** **Light Yield as a Function of Amplifier Shaping Time and its Relation to Scintillation Decay Curves**
Petr Prusa
- P1.10** **Ce and Eu Activated ⁶LiF-Sr_xCa_{1-x}F₂ Eutectic Scintillator for Neutron Detection**
Takayuki Yanagida

- P1.11** **Lithium Aluminate Crystals as Scintillator for Thermal Neutron Detection**
Yutaka Fujimoto
- P1.12** **Performance Test of PIN Photodiode Line Scanner for Thermal Neutron**
D. Totsuka
- P1.13** **Temperature Dependence of LiCaAlF₆ and LiYF₄ Neutron Scintillators**
Hiromitsu Takahashi
- P1.14** **Measurements of Dose Rates on Board a Stratospheric Balloon Using a Phoswich Detector**
Esther M. Dönsdorf
- P1.15** **Quantitative Scintillation Screen Studies and Related Model Calculations**
E. Gütlich
- P1.16** **Luminescence and Scintillation Properties of Doped Porous Sol-Gel Matrices**
A. Masalov
- P1.17** **Rare Earth Activated Oxyfluoride Glasses and Glass-Ceramics for Scintillation Applications**
U. Rogulis
- P1.18** **Radiation Defect in Oxyfluoride Glass Ceramics: EPR Hyperfine Structure**
Dzintars Berzins
- P1.19** **LPE Growth and Scintillation Properties of (Zn,Mg)O Single Crystalline Film**
Akira Yoshikawa
- P1.20** **Indium-Doped ZnO Scintillator with 3-ps Response Time for Accurate Synchronization of Optical and X-Ray Free Electron Laser Pulses**
Kohei Yamanoi
- P1.21** **Luminescence of Cerium Doped Zirconia Nanocrystals**
Donats Millers
- P1.22** **Efficient X-Ray Phosphors Based on Non-Stoichiometric MeZrO₃ (Me = Ca, Sr, Ba)**
P. Bohacek
- P1.23** **Impurity Mapping on ZnO Crystals by Fluorescence Imaging**
Masataka Kano
- P1.24** **Potential High-Spatial Resolution In-Situ Imaging of Soft X-Ray Laser Pulses with ZnO Crystal**
T. Nakazato

- P1.25** **Novel Scintillating Material- ZnO transparent ceramics**
I.V. Khoduk
- P1.26** **Redox Reactions Role in Formation of CaS-Based Luminophors**
Mikhail Danilkin
- P1.27** **Photoluminescence of Isovalently Doped ZnSe Crystals**
J. Mickevičius