

**Nuclear Radiation Detection
Materials—2011**

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Nuclear Radiation Detection Materials—2011

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CONTENTS

Preface ix

Materials Research Society Symposium Proceedings xi

SCINTILLATORS

Transparent Lu₂O₃:Eu Ceramics 3

Zachary M. Seeley, Joshua D. Kuntz,
Nerine J. Cherepy, and Stephen A. Payne

**Nuclear Radiation Detection Scintillators Based
on ZnSe(Te) Crystals** 9

Volodymyr D. Ryzhikov

Nonlinear Quenching Rates in SrI₂ and CsI Scintillator Hosts 15

Joel Q. Grim, Qi Li, K.B. Ucer, R.T. Williams,
A. Burger, P. Bhattacharya, E. Tupitsyn,
G.A. Bizarri, and W.W. Moses

Bridgman Growth of SrI₂ 21

Leonard Alaribe, Christian Disch, Alex Fauler,
Ralf Engels, Egbert Keller, Angelica Cecilia,
Tomy dos Santos Rolo, and Michael Fiederle

CdZnTe

*** Growth of Detector-grade CZT by Traveling Heater Method
(THM): An Advancement** 29

U.N. Roy, S. Weiler, J. Stein, M. Groza,
A. Burger, A.E. Bolotnikov, G.S. Camarda,
A. Hossain, G. Yang, and R.B. James

**Low Temperature Crystal Growth and Characterization
of Cd_{0.9}Zn_{0.1}Te for Radiation Detection Applications** 39

Ramesh M. Krishna, Timothy C. Hayes,
Peter G. Muzykov, and Krishna C. Mandal

*Invited Paper

**Improvement of CdMnTe Detector Performance
by MnTe Purification45**
K.H. Kim, A.E. Bolotnikov, G.S. Camarda,
R. Tappero, A. Hossain, Y. Cui,
G. Yang, R. Gul, and R.B. James

*** Characterization of Pd Impurities and Finite-Sized Defects
in Detector Grade CdZnTe51**
M.C. Duff, J.P. Bradley, Z.R. Dai, N. Teslich,
A. Burger, M. Groza, and V. Buliga

**Effects of Dislocations and Sub-grain Boundaries
on X-ray Response Maps of CdZnTe Radiation Detectors.61**
A. Hossain, A.E. Bolotnikov, G.S. Camarda,
Y. Cui, R. Gul, K. Kim, B. Raghothamachar,
G. Yang, and R.B. James

**Study of Structural Defects in CdZnTe Crystals by High
Resolution Electron Microscopy.67**
A. Hossain, A.E. Bolotnikov, G.S. Camarda,
Y. Cui, R. Gul, K-H. Kim, K. Kisslinger, D. Su,
G. Yang, L.H. Zhang, and R.B. James

MODELLING AND CALCULATIONS

**Performance Evaluation of Neutron Detectors Incorporating
Intrinsic Gd Using a GEANT4 Modeling Approach75**
Abigail A. Bickley, Christopher Young,
Benjamin Thomas, John W. McClory,
Peter A. Dowben, and James C. Petrosky

**Material Parameter Basis for Major and Minor Trends
in Nonproportionality of Scintillators.81**
Qi Li, Joel Q. Grim, R.T. Williams,
G.A. Bizarri, and W.W. Moses

**Dimensionally Reduced Heavy Atom Semiconductors
as Candidate Materials for γ -ray Detection:
The Case of Cs₂Hg₆S₇.87**
Ioannis Androulakis, Hao Li, Christos Malliakas,
John A. Peters, Zhifu Liu, Bruce W. Wessels,
Jung-Hwan Song, Hosub Jin, Arthur J. Freeman,
and Mercouri G. Kanatzidis

*Invited Paper

OTHER MATERIALS

- * **Czochralski Growth of Indium Iodide and Other Wide Bandgap Semiconductor Compounds**95
I. Nicoara, D. Nicoara, C. Bertorello, G.A. Slack,
A.G. Ostrogorsky, M. Groza, and A. Burger
- Dysprosium-containing Nanocrystals for Thermal Neutron Detection**105
Antonio C. Rivera, Natasha N. Glazener,
Nathaniel C. Cook, Nathan J. Withers,
John B. Plumley, Brian A. Akins, Ken Carpenter,
Gennady A. Smolyakov, Robert D. Busch,
and Marek Osiński
- * **Semiconductor Detectors Fabricated From TlBr Crystals**111
Keitaro Hitomi, Tsutomu Tada, Seong-Yun Kim,
Yan Wu, Hiromichi Yamazaki, Tadayoshi Shoji,
and Keizo Ishii
- UV Emitting Single Crystalline Film Scintillators Grown by LPE Method: Current Status and Perspective**119
Yuriy Zorenko, Vitaliy Gorbenko, Volodymyr Savchyn,
Taras Voznyak, Mirosław Batenschuk,
Albrecht Winnacker, Qi Xia, and Christoph Brabec
- Bismuth-loaded Polymer Scintillators for Gamma Ray Spectroscopy**125
Benjmain L. Rupert, Nerine J. Cherepy,
Benjamin W. Sturm, Robert D. Sanner,
Zurong Dai, and Stephen A. Payne
- Alkali Metal Chalcogenides for Radiation Detection**133
J.A. Peters, Zhifu Liu, B.W. Wessels, I. Androulakis,
C.P. Sebastian, Hao Li, and M.G. Kanatzidis
- ZnCdSeTe Semiconductor Compounds: Preparation and Properties**139
Vello Valdna, Maarja Grossberg, Jaan Hiie,
Urve Kallavus, Valdek Mikli, Taavi Raadik,
Rainer Traksmaa, and Mart Viljus

*Invited Paper

**Comparative Study of HgI₂, PbI₂ and TlBr Films
Aimed for Ionizing Radiation Detection in Medical Imaging.145**
 Marcelo Mulato, José F. Condeles, Julio C. Ugucioni,
 Ademar M. Caldeira-Filho, and Natalia Destefano

**Photoemission and Cathodoluminescence of Doped Lithium
Tetraborate Crystals Being Developed for Neutron Detection.151**
 Christina L. Dugan, Robert L. Hengehold,
 Stephen R. McHale, Yaroslav Losovyj,
 John W. McClory, and James C. Petrosky

Author Index157

Subject Index159

PREFACE

Symposium U, "Nuclear Radiation Detection Materials," held April 26–28 at the 2011 MRS Spring Meeting in San Francisco, California, provides the latest results and discussion of nuclear radiation detection materials. The symposium gave an overview of the crystal growth of the radiation detector materials, the characterization and the technology issues.

There is a strong need for new materials and methods for a variety of radiation detection applications. The types of detector materials include semiconductors and scintillators, which are represented by a variety of new scintillator materials, novel semiconductors, and traditional detection materials. This symposium was the continuation of the symposium from 2009 and it shows a rapidly growing field with several important improvements for the development of future radiation detectors.

Michael Fiederle
Dale L. Perry
Arnold Burger
Larry Franks
Kazuhito Yasuda
Kelvin Lynn

November 2011

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