

**2017 International
Germanium Detector
Technology Workshop**

Report of Contributions

Contribution ID: **0**

Type: **not specified**

Welcome

Monday, 4 December 2017 08:30 (15 minutes)

Presenters: POON, Alan; VETTER, Kai

Session Classification: Morning 1

Contribution ID: 1

Type: **not specified**

HPGe Detectors at mK temperature for DM search

Monday, 4 December 2017 08:45 (30 minutes)

Presenter: BILLARD, Julien (IPN Lyon)

Session Classification: Morning 1

Contribution ID: 2

Type: **not specified**

Probing SM and BSM Physics with Germanium Ionization Detectors

Monday, 4 December 2017 09:15 (30 minutes)

Presenter: WONG, Henry (Academia Sinica)

Session Classification: Morning 1

Contribution ID: 3

Type: **not specified**

Ge detectors for neutrinoless double beta decay searches

Monday, 4 December 2017 09:45 (30 minutes)

Presenter: JANICSKO, Jozsef (IKZ Berlin)

Session Classification: Morning 1

Contribution ID: 4

Type: **not specified**

Mercury, Mars, and the Asteroid Belt: Germanium-Based Gamma-Ray Spectrometers as an Emerging Tool for Planetary Science

Monday, 4 December 2017 11:45 (30 minutes)

Presenter: BURKS, Morgan (LLNL)

Session Classification: Morning 2

Contribution ID: 5

Type: **not specified**

The Compton Spectrometer and Imager: Ge detectors for gamma-ray astrophysics

Monday, 4 December 2017 11:15 (30 minutes)

Presenter: TOMSICK, John (SSL/UCB)

Session Classification: Morning 2

Contribution ID: 6

Type: **not specified**

Decay Spectroscopy and other Applications at FRIB

Monday, 4 December 2017 12:15 (30 minutes)

Presenter: LIDDICK, Sean (NSCL)

Session Classification: Morning 2

Contribution ID: 7

Type: **not specified**

Tracking and imaging detector arrays

Monday, 4 December 2017 10:45 (30 minutes)

Presenter: BOSTON, Andy (Liverpool)

Session Classification: Morning 2

Contribution ID: 8

Type: **not specified**

3-D Gamma-Ray Imaging with HPGe Detectors

Monday, 4 December 2017 13:45 (30 minutes)

Presenter: BARNOWSKI, Ross (LBNL/UCB)

Session Classification: Afternoon 1

Contribution ID: 9

Type: **not specified**

HPGe detector development at Mirion-Canberra

Monday, 4 December 2017 14:15 (20 minutes)

Presenter: HABY, Taylor

Session Classification: Afternoon 1

Contribution ID: **10**

Type: **not specified**

HPGe detector development at AMETEK/ORTEC

Monday, 4 December 2017 14:35 (20 minutes)

Presenter: ROTH, Elaine (AMETEK)

Session Classification: Afternoon 1

Contribution ID: **11**

Type: **not specified**

3-min rapid presentations

Monday, 4 December 2017 14:55 (30 minutes)

Presenter: POSTER PRESENTERS

Session Classification: Afternoon 1

Contribution ID: 12

Type: **not specified**

Phonon-induced plasma expansion in cryogenic Ge detectors: evidences and consequences for charge collection

Monday, 4 December 2017 15:55 (30 minutes)

Presenter: BRONIATOWSKI, Alex (Orsay)

Session Classification: Afternoon 2

Contribution ID: 13

Type: **not specified**

Minimizing Charge Leakage through Ge/Insulator/Metal interfaces

Monday, 4 December 2017 16:45 (30 minutes)

Presenter: MIRABOLFATHI, Nader (Texas A&M)

Session Classification: Afternoon 2

Contribution ID: 14

Type: **not specified**

Athermal Phonon Thermalization

Monday, 4 December 2017 16:25 (20 minutes)

Presenter: PYLE, Matt (UCB)

Session Classification: Afternoon 2

Contribution ID: 15

Type: **not specified**

Growth and Characterization of Large HPGe crystals

Monday, 4 December 2017 17:15 (20 minutes)

Presenter: WANG, Guojian (USD)

Session Classification: Afternoon 2

Contribution ID: 16

Type: **not specified**

Cosmogenic activation of Ge

Monday, 4 December 2017 17:35 (20 minutes)

Presenter: WHITE, Brandon (LANL)

Session Classification: Afternoon 2

Contribution ID: 17

Type: **not specified**

Single-crystalline germanium nanomembrane photodetectors

Tuesday, 5 December 2017 08:30 (30 minutes)

Presenter: MA, Zhenqiang (UW-Madison)

Session Classification: Morning 1

Contribution ID: **18**

Type: **not specified**

Large inverted point-contact detectors

Tuesday, 5 December 2017 09:00 (30 minutes)

Presenter: RADFORD, David (ORNL)

Session Classification: Morning 1

Contribution ID: **19**

Type: **not specified**

Characterization of inverted coaxial segmented NPC detectors

Tuesday, 5 December 2017 09:30 (25 minutes)

Presenter: SALATHE, Marco (LBNL)

Session Classification: Morning 1

Contribution ID: 20

Type: **not specified**

Pulse Simulation and Bayesian Pulse Fitting

Tuesday, 5 December 2017 09:55 (25 minutes)

Presenter: SHANKS, Ben (ORNL)

Session Classification: Morning 1

Contribution ID: 21

Type: **not specified**

Optimization of Amorphous Germanium Electrical Contacts on High Purity Germanium Radiation Detectors

Tuesday, 5 December 2017 10:40 (30 minutes)

Presenter: AMMAN, Mark

Session Classification: Morning 2

Contribution ID: 22

Type: **not specified**

R&D on passivation techniques and novel contacts in HPGe detectors

Tuesday, 5 December 2017 11:10 (30 minutes)

Presenter: MAGGIONI, Gianluigi (LNL-INFN)

Session Classification: Morning 2

Contribution ID: 23

Type: **not specified**

Study of HPGe surface properties and temperature dependence at MPI

Tuesday, 5 December 2017 14:40 (20 minutes)

Presenter: ZSIGMOND, Anna Julia (MPP)

Session Classification: Afternoon 1

Contribution ID: 24

Type: **not specified**

Low thermal loss cryostats for electrically cooled multidetector systems

Tuesday, 5 December 2017 15:00 (20 minutes)

Presenter: KOJOUHAROV, Ivan (GSI)

Session Classification: Afternoon 1

Contribution ID: 25

Type: **not specified**

ORTEC solutions for specialty detector market

Tuesday, 5 December 2017 15:20 (15 minutes)

Presenter: GEURKOV, Gregor (AMETEK)

Session Classification: Afternoon 1

Contribution ID: 26

Type: **not specified**

Canberra cooling technology and system designed for unusual environment

Presenter: PIRARD, Benoit (Mirion)

Contribution ID: 27

Type: **not specified**

Calculation of Ge crystal form factors for ~eV energy transfer

Tuesday, 5 December 2017 16:45 (25 minutes)

Presenter: GRIFFIN, Sinead (UCB/LBNL)

Session Classification: Afternoon 2

Contribution ID: 28

Type: **not specified**

Quenching Factors in High Purity Germanium Detectors

Tuesday, 5 December 2017 17:10 (25 minutes)

Presenter: BARBEAU, Phil (Duke)

Session Classification: Afternoon 2

Contribution ID: 29

Type: **not specified**

Ultra-low temperature, ultra-low noise readouts

Tuesday, 5 December 2017 15:55 (25 minutes)

Presenter: BARTON, Paul (LBNL)

Session Classification: Afternoon 2

Contribution ID: **30**

Type: **not specified**

HEMT-based charge preamplifiers

Tuesday, 5 December 2017 16:20 (25 minutes)

Presenter: PHIPPS, Arran (Stanford)

Session Classification: Afternoon 2

Contribution ID: **31**

Type: **not specified**

PIRE-GEMADARC

Tuesday, 5 December 2017 17:35 (15 minutes)

Presenter: MEI, Dong-ming (USD)

Session Classification: Afternoon 2