

Bethe Forum on Detector Physics - Trends and Challenges



Report of Contributions

Contribution ID: 1

Type: **not specified**

Photocathodes - physics and detector applications

Monday 31 March 2014 16:00 (1 hour)

Presenter: MIRZOYAN, Razmik

Contribution ID: 2

Type: **not specified**

Digital and analog SiPMs for HEP and medicine

Monday 31 March 2014 17:00 (1 hour)

Presenter: Prof. GARUTTI, Erika (University of Hamburg)

Contribution ID: 3

Type: **not specified**

Overview of the Philips digital photon counting technology

Tuesday 1 April 2014 16:00 (1 hour)

Presenter: FRACH, Thomas

Contribution ID: 4

Type: **not specified**

SiPMs with spatial resolution

Thursday 3 April 2014 17:00 (1 hour)

Presenter: FISCHER, Peter

Contribution ID: 5

Type: **not specified**

The physics of radiation damage in semiconductors

Wednesday 2 April 2014 09:30 (1 hour)

Presenter: MOLL, Michael

Contribution ID: 6

Type: **not specified**

Radiation hardness of SiPMs

Tuesday 8 April 2014 14:00 (1 hour)

Presenter: Prof. GARUTTI, Erika (University of Hamburg)

Contribution ID: 7

Type: **not specified**

Development of radiation-tolerant silicon detectors

Wednesday 2 April 2014 16:00 (1 hour)

Presenter: MOLL, Michael

Contribution ID: 8

Type: **not specified**

Scintillation detectors in nuclear and high-energy physics

Tuesday 1 April 2014 17:00 (1 hour)

Presenter: NOVOTNY, Rainer

Contribution ID: 9

Type: **not specified**

Scintillation mechanisms

Thursday 3 April 2014 09:30 (1 hour)

Presenter: LECOQ, Paul

Contribution ID: **10**

Type: **not specified**

Hadron calorimetry options for future experiments in particle physics

Wednesday 2 April 2014 17:00 (1 hour)

Presenter: WIGMANS, Richard

Contribution ID: **11**

Type: **not specified**

Fast timing with scintillators

Thursday 3 April 2014 16:00 (1 hour)

Presenter: LECOQ, Paul

Contribution ID: 12

Type: **not specified**

On wrong and correct ways to analyze/interpret calorimeter test beam data

Thursday 3 April 2014 11:00 (1 hour)

Presenter: WIGMANS, Richard

Contribution ID: 13

Type: **not specified**

Current status and future of semiconductor pixel detectors

Friday 4 April 2014 09:30 (1 hour)

Presenter: GARCIA-SCIVERES, Maurice

Contribution ID: 14

Type: **not specified**

Basic considerations on spatial resolution of patterned detectors

Friday 4 April 2014 11:00 (1 hour)

Presenter: FISCHER, Peter

Contribution ID: 15

Type: **not specified**

The gaseous GridPix detector

Friday 4 April 2014 16:00 (1 hour)

Presenter: VAN DER GRAAF, Harry

Contribution ID: **16**

Type: **not specified**

Micropattern gaseous detectors: physics and applications I

Monday 7 April 2014 09:30 (1 hour)

Presenter: SAULI, Fabio

Contribution ID: 17

Type: **not specified**

Micropattern gaseous detectors: physics and applications II

Monday 7 April 2014 11:00 (1 hour)

Presenter: SAULI, Fabio

Contribution ID: 18

Type: **not specified**

Ton-scale Xe gas TPC concept for simultaneous searches for WIMP DM w/ directional sensitivity and neutrino-less 2β –decay

Monday 7 April 2014 16:00 (1 hour)

Presenter: NYGREN, David

Contribution ID: **19**

Type: **not specified**

Concept for neutrino-less double beta decay search in ^{82}Se

Tuesday 8 April 2014 09:30 (1 hour)

Presenter: NYGREN, David

Contribution ID: 20

Type: **not specified**

The development of pixel detectors in HEP experiments

Tuesday 8 April 2014 11:00 (1 hour)

Presenter: HORISBERGER, Roland

Contribution ID: 21

Type: **not specified**

Potential of strip and pixel applications at synchrotron light sources

Wednesday 9 April 2014 09:30 (1 hour)

Presenter: SCHMITT, Bernd

Contribution ID: 22

Type: **not specified**

Diamond Detectors

Wednesday 9 April 2014 11:00 (1 hour)

Presenter: PERNEGGER, Heinz

Contribution ID: 23

Type: **not specified**

Rare event detection with cryogenic detectors I

Thursday 10 April 2014 09:30 (1 hour)

Presenter: LANFRANCHI, Jean-Côme

Contribution ID: 24

Type: **not specified**

Rare event detection with cryogenic detectors II

Thursday 10 April 2014 11:00 (1 hour)

Presenter: LANFRANCHI, Jean-Côme

Contribution ID: 25

Type: **not specified**

Tipsy and Trixy ultrafast photon, electron and MIP detectors

Friday 11 April 2014 09:30 (1 hour)

Presenter: VAN DER GRAAF, Harry