

Workshop on Detector R&D



Report of Contributions

Contribution ID: 0

Type: **not specified**

Welcome

Thursday, 7 October 2010 08:45 (5 minutes)

Presenter: KIM, Young-Kee (FNAL)

Session Classification: Perspectives

Contribution ID: 1

Type: **not specified**

Goals of the Workshop

Thursday, 7 October 2010 08:50 (10 minutes)

Presenter: Prof. BROCK, Raymond (Michigan State University)

Session Classification: Perspectives

Contribution ID: 2

Type: **not specified**

A Personal Perspective of the US High Energy Physics Detector R&D program

Thursday, 7 October 2010 09:00 (30 minutes)

Presenter: NICHOLSON, Howard (Mount Holyoke College)

Session Classification: Perspectives

Contribution ID: 3

Type: **not specified**

European Programs

Thursday, 7 October 2010 13:00 (30 minutes)

Presenter: Prof. NAKADA, Tatsuya (EPFL)

Session Classification: Experimental Physics Goals and Detector Challenges

Contribution ID: 4

Type: **not specified**

Argonne Detector R&D Programs and Facilities

Thursday, 7 October 2010 11:15 (30 minutes)

Primary author: WEERTS, Hendrick (Argonne National Laboratory)

Presenter: WEERTS, Hendrick (Argonne National Laboratory)

Session Classification: Laboratory Programs II

Contribution ID: 5

Type: **not specified**

Berkeley Detector R&D Programs and Facilities

Thursday, 7 October 2010 11:45 (30 minutes)

Presenter: SIEGRIST, James (Lawrence Berkeley National Laboratory)

Session Classification: Laboratory Programs II

Contribution ID: 6

Type: **not specified**

Brookhaven Detector R&D Programs and Facilities

Thursday, 7 October 2010 10:15 (30 minutes)

Presenter: LITTENBERG, Laurence (Brookhaven National Laboratory)

Session Classification: Laboratory Programs II

Contribution ID: 7

Type: **not specified**

SLAC Detector R&D Programs and Facilities

Thursday, 7 October 2010 10:45 (30 minutes)

Presenter: MACFARLANE, David (SLAC National Accelerator Laboratory)

Session Classification: Laboratory Programs II

Contribution ID: 8

Type: **not specified**

Fermilab Detector R&D Programs and Facilities

Thursday, 7 October 2010 09:30 (30 minutes)

Presenter: Dr RAMBERG, Erik (Fermi National Accelerator Laboratory)

Session Classification: Laboratory Programs I

Contribution ID: 9

Type: **not specified**

Test Beams: Capabilities and Limitations

Saturday, 9 October 2010 09:30 (30 minutes)

Presenter: HAST, Carsten (SLAC National Accelerator Laboratory)

Session Classification: Detector Challenges and New Developments III

Contribution ID: 10

Type: **not specified**

Challenges and Limitations in High Rate and Multiplicity Environments for tracking and vertexing

Friday, 8 October 2010 09:00 (30 minutes)

Presenter: GARCIA-SCIVERES, Maurice (LBNL)

Session Classification: Detector Challenges and New Developments I

Contribution ID: 11

Type: **not specified**

Challenges and Limitations in Low Background Measurements

Friday, 8 October 2010 10:30 (30 minutes)

Presenter: COLLAR, Juan (University of Chicago)

Session Classification: Detector Challenges and New Developments I

Contribution ID: 12

Type: **not specified**

Limitations to Precision Measurements of Jets

Friday, 8 October 2010 11:30 (30 minutes)

Presenter: Prof. HUSTON, Joey (Michigan State University)

Session Classification: Detector Challenges and New Developments I

Contribution ID: 13

Type: **not specified**

Requirements on EM Calorimetry for Future Experiments

Friday, 8 October 2010 11:00 (30 minutes)

Presenter: MA, Hong (Brookhaven National Laboratory)

Session Classification: Detector Challenges and New Developments I

Contribution ID: 14

Type: **not specified**

Limitations and New Directions in PID

Friday, 8 October 2010 13:30 (30 minutes)

Presenter: VA'VRA, Jerry (SLAC National Accelerator Laboratory)

Session Classification: Detector Challenges and New Developments II

Contribution ID: 15

Type: **not specified**

Detector Challenges and New Developments in MPGDs

Friday, 8 October 2010 12:00 (30 minutes)

Presenter: YU, Bo (Brookhaven National Laboratory)

Session Classification: Detector Challenges and New Developments I

Contribution ID: 16

Type: **not specified**

Reflections on Understanding Detectors and Instrumentation

Thursday, 7 October 2010 16:30 (20 minutes)

Presenter: PARA, Adam (Fermilab)

Session Classification: Experimental Physics Goals and Detector Challenges

Contribution ID: 17

Type: **not specified**

Panel Discussion: Challenges Facing University and Laboratory Detector R&D programs

Contribution ID: **18**

Type: **not specified**

Development of New Scintillators

Friday, 8 October 2010 14:30 (30 minutes)

Presenter: YEH, MinFang (Brookhaven National Laboratory)

Session Classification: Detector Challenges and New Developments II

Contribution ID: 19

Type: **not specified**

Development of New Photo Detectors

Friday, 8 October 2010 14:00 (30 minutes)

Presenter: WAGNER, Bob (Argonne National Laboratory)

Session Classification: Detector Challenges and New Developments II

Contribution ID: 20

Type: **not specified**

Challenges in Radio Detection Techniques

Friday, 8 October 2010 15:00 (30 minutes)

Presenter: Prof. VARNER, Gary (University of Hawaii)

Session Classification: Detector Challenges and New Developments II

Contribution ID: **21**

Type: **not specified**

talk

Contribution ID: 22

Type: **not specified**

Wine, Cheese and Posters

Contribution ID: 23

Type: **not specified**

Lepton Collider Physics Goals and Detector Challenges

Thursday, 7 October 2010 13:30 (30 minutes)

Presenter: JAROS, John (SLAC National Accelerator Laboratory)

Session Classification: Experimental Physics Goals and Detector Challenges

Contribution ID: 24

Type: **not specified**

LHC Upgrade Physics Goals and Detector Challenges

Thursday, 7 October 2010 14:00 (30 minutes)

Presenter: SEIDEN, Abe (UCSC)

Session Classification: Experimental Physics Goals and Detector Challenges

Contribution ID: 25

Type: **not specified**

Neutrino Experiment Physics Goals and Detector Challenges

Thursday, 7 October 2010 14:30 (30 minutes)

Presenter: Dr RAMEIKA, Regina (Fermilab)

Session Classification: Experimental Physics Goals and Detector Challenges

Contribution ID: 26

Type: **not specified**

Non-Accelerator Experiments Physics Goals and Challenges

Thursday, 7 October 2010 15:00 (30 minutes)

Presenter: HALL, Carter (University of Maryland)

Session Classification: Experimental Physics Goals and Detector Challenges

Contribution ID: 27

Type: **not specified**

Intensity Frontier Experiments and Challenges

Thursday, 7 October 2010 16:00 (30 minutes)

Presenter: MOLZON, William (UC Irvine)

Session Classification: Experimental Physics Goals and Detector Challenges

Contribution ID: 38

Type: **not specified**

Trigger and DAQ requirements for very high rate experiments

Friday, 8 October 2010 08:30 (30 minutes)

Presenter: SMITH, Wesley (University of Wisconsin)

Session Classification: Detector Challenges and New Developments I

Contribution ID: 39

Type: **not specified**

Radiation Limitations on Particle Detectors

Saturday, 9 October 2010 09:00 (30 minutes)

Presenter: Dr LI, Zheng (Brookhaven National Lab)

Session Classification: Detector Challenges and New Developments III

Contribution ID: 40

Type: **not specified**

New Semiconductor and Other Technologies

Saturday, 9 October 2010 08:30 (30 minutes)

Presenter: Dr LIPTON, Ronald Lipton (Fermilab)

Session Classification: Detector Challenges and New Developments III

Contribution ID: 41

Type: **not specified**

View from NSF

Contribution ID: 42

Type: **not specified**

Views from the Funding Agencies

Contribution ID: 43

Type: **not specified**

Workshop Summary

Contribution ID: 45

Type: **not specified**

Case Studies of Successful Lab - University Collaboration

Contribution ID: 46

Type: **not specified**

Radiation Detection R&D: Two HPGe Array Examples

Friday, 8 October 2010 16:00 (1 hour)

Presenter: Dr AALSETH, Craig (Pacific Northwest National Laboratory)

Session Classification: Wine and Cheese Seminar

Contribution ID: 47

Type: **not specified**

Trigger and DAQ challenges for the next generation non-accelerator experiments

Friday, 8 October 2010 09:30 (30 minutes)

Presenter: KLEIN, Spencer (LBNL)

Session Classification: Detector Challenges and New Developments I

Contribution ID: 48

Type: **not specified**

Dinner at Chez Leon

Thursday, 7 October 2010 19:00 (2 hours)

Contribution ID: 55

Type: **not specified**

Physical Sciences Laboratories at Wisconsin

Thursday, 7 October 2010 17:00 (15 minutes)

Presenter: FEYZI, Farshid (University of Wisconsin-Madison)

Session Classification: Experiences and Challenges of University and Laboratory Detector R&D programs

Contribution ID: 56

Type: **not specified**

Cornell

Contribution ID: 57

Type: **not specified**

Discussion and Workshop Conclusion

Contribution ID: 58

Type: **not specified**

Workshop Summary

Saturday, 9 October 2010 11:00 (45 minutes)

Presenter: Prof. BORTOLETTO, Daniela (Purdue University)

Session Classification: Workshop Summary and Next Steps

Contribution ID: 59

Type: **not specified**

Views from the Funding Agencies

Contribution ID: **60**

Type: **not specified**

Discussion and Workshop Conclusion

Saturday, 9 October 2010 11:45 (45 minutes)

Session Classification: Workshop Summary and Next Steps

Contribution ID: **64**

Type: **not specified**

Pizza and Posters

Friday, 8 October 2010 17:00 (2 hours)

Session Classification: Posters and Pizza

Contribution ID: **66**

Type: **not specified**

Argoneut

Thursday, 7 October 2010 17:15 (15 minutes)

Presenter: Dr SODERBERG, Mitch (Yale University)

Session Classification: Experiences and Challenges of University and Laboratory Detector R&D programs

Contribution ID: 67

Type: **not specified**

Large Area Photo Detector Project

Thursday, 7 October 2010 17:30 (15 minutes)

Presenter: FRISCH, Henry (University of Chicago)

Session Classification: Experiences and Challenges of University and Laboratory Detector R&D programs

Contribution ID: **68**

Type: **not specified**

BNL Experience

Presenter: LITTENBERG, Laurence (Brookhaven National Laboratory)

Contribution ID: **80**

Type: **not specified**

View from DOE

Saturday, 9 October 2010 10:00 (15 minutes)

Session Classification: Detector Challenges and New Developments III

Contribution ID: **91**

Type: **not specified**

View from NSF

Friday, 8 October 2010 15:30 (10 minutes)

Presenter: JAMES, Reidy (NSF)

Session Classification: Detector Challenges and New Developments II

Contribution ID: 92

Type: **not specified**

Collider Detector Research and Development Program at DOE

Presenter: Dr BORCHERDING, Fred (DOE Office of HEP)

Contribution ID: 93

Type: **not specified**

Collider Detector Research and Development Program at DOE

Thursday, 7 October 2010 18:00 (15 minutes)

Presenter: Dr BORCHERDING, Fred (DOE Office of HEP)

Session Classification: Developing a Future Program

Contribution ID: 94

Type: **not specified**

Discussion

Thursday, 7 October 2010 18:15 (30 minutes)

Session Classification: Developing a Future Program