

**ESIPAP 2017 - Module 2 -
Detector technologies and
applications**

Report of Contributions

Contribution ID: 0

Type: **not specified**

Storage exercise (11)

Presenter: HAEN, Christophe (CERN)

Contribution ID: 1

Type: **not specified**

FPGA exercise (5)

Presenter: GIGI, Dominique (CERN)

Contribution ID: 2

Type: **not specified**

VME exercise

Presenter: JOOS, Markus (CERN)

Contribution ID: 3

Type: **not specified**

Control S/W exercise (12)

Presenter: POZZO, Agostino (Sezione di Genova)

Contribution ID: 4

Type: **not specified**

uTCA exercise (6)

Presenter: SAKULIN, Hannes (CERN)

Contribution ID: 5

Type: **not specified**

DAQ system exercise (4)

Presenter: JOOS, Markus (CERN)

Contribution ID: 6

Type: **not specified**

Space project management

Presenter: Dr DROZ, Jan (CNES)

Contribution ID: 7

Type: **not specified**

Space agencies and policies

Presenter: Dr DROZ, Jan (CNES)

Contribution ID: 8

Type: **not specified**

Project operation

Presenter: Dr DROZ, Jan (CNES)

Contribution ID: 9

Type: **not specified**

gaseous detectors

Presenter: Dr BROM, Jean-Marie (Institut Pluridisciplinaire Hubert Curien (FR))

Contribution ID: **10**

Type: **not specified**

Principles of detection

Presenter: Dr BROM, Jean-Marie (Institut Pluridisciplinaire Hubert Curien (FR))

Contribution ID: 11

Type: **not specified**

Semiconductor detectors

Presenter: Dr BROM, Jean-Marie (Institut Pluridisciplinaire Hubert Curien (FR))

Contribution ID: 12

Type: **not specified**

Noble liquid detectors

Presenter: COLLOT, Johann (Centre National de la Recherche Scientifique (FR))

Contribution ID: 13

Type: **not specified**

Scintillation, Cerenkov, Transition Radiation detectors

Presenter: Dr BROM, Jean-Marie (Institut Pluridisciplinaire Hubert Curien (FR))

Contribution ID: 14

Type: **not specified**

Lecture 2

Presenter: PACE, Alberto (CERN)

Contribution ID: 15

Type: **not specified**

Lecture 1

Presenter: PACE, Alberto (CERN)

Contribution ID: **16**

Type: **not specified**

lecture 4

Presenter: PACE, Alberto (CERN)

Contribution ID: 17

Type: **not specified**

lecture 3

Presenter: PACE, Alberto (CERN)

Contribution ID: **18**

Type: **not specified**

Modular electronics

Presenter: JOOS, Markus (CERN)

Contribution ID: **19**

Type: **not specified**

VME bus

Presenter: JOOS, Markus (CERN)

Contribution ID: **20**

Type: **not specified**

FPGAs

Presenter: SAKULIN, Hannes (CERN)

Contribution ID: 21

Type: **not specified**

TDAQ software

Presenter: PASQUALUCCI, Enrico (Universita e INFN, Roma I (IT))

Contribution ID: 22

Type: **not specified**

Trigger II

Presenter: PASTORE, Francesca (Royal Holloway, University of London)

Contribution ID: 23

Type: **not specified**

Trigger I

Presenter: PASTORE, Francesca (Royal Holloway, University of London)

Contribution ID: 24

Type: **not specified**

Lecture 2

Presenter: Prof. TEN KATE, Herman (CERN)

Contribution ID: 25

Type: **not specified**

Lecture 1

Presenter: Prof. TEN KATE, Herman (CERN)

Contribution ID: 26

Type: **not specified**

Tutorial

Presenter: TEN KATE, Herman (CERN)

Contribution ID: 27

Type: **not specified**

Lecture

Presenter: Mr KRAUTH, Marc (IPHC Strasbourg)

Contribution ID: **28**

Type: **not specified**

Registration at ESI office & Accommodation

Monday, February 20, 2017 9:00 AM (3 hours)

Contribution ID: 29

Type: **not specified**

Detector Technologies

Wednesday, February 22, 2017 10:45 AM (1h 30m)

Presenter: BROM, Jean-Marie (Institut Pluridisciplinaire Hubert Curien (IPHC)-Inst. Nat. Phys)

Contribution ID: **30**

Type: **not specified**

Signal Processing and Electronics

Tuesday, February 21, 2017 9:00 AM (1h 30m)

Presenter: DZAHINI, Daniel (LPSC Laboratoire de Physique Subatomique et de Cosmologie (LPSC))

Contribution ID: **31**

Type: **not specified**

Reminder on Particle Interaction with Matter

Monday, February 20, 2017 3:45 PM (1h 30m)

Summary

Presenters: BROM, Jean-Marie (Institut Pluridisciplinaire Hubert Curien (FR)); BROM, Jean-Marie (Institut Pluridisciplinaire Hubert Curien (IPHC)-Inst. Nat. Phys)

Contribution ID: **32**

Type: **not specified**

Detector Technologies

Tuesday, February 21, 2017 2:00 PM (1h 30m)

Presenter: BROM, Jean-Marie (Institut Pluridisciplinaire Hubert Curien (IPHC)-Inst. Nat. Phys)

Contribution ID: 33

Type: **not specified**

Low Temperature Detectors

Wednesday, February 22, 2017 9:00 AM (1h 30m)

Summary

Presenter: MONFARDINI, Alessandro

Contribution ID: 34

Type: **not specified**

Signal Processing and Electronics

Tuesday, February 21, 2017 10:45 AM (1h 30m)

Presenter: DZAHINI, Daniel (LPSC Laboratoire de Physique Subatomique et de Cosmologie (LPSC))

Contribution ID: 35

Type: **not specified**

Detector Technologies

Tuesday, February 21, 2017 3:45 PM (1h 30m)

Presenter: BROM, Jean-Marie (Institut Pluridisciplinaire Hubert Curien (IPHC)-Inst. Nat. Phys)

Contribution ID: **36**

Type: **not specified**

Detector Technologies

Presenter: BROM, Jean-Marie (Institut Pluridisciplinaire Hubert Curien (IPHC)-Inst. Nat. Phys)

Contribution ID: 37

Type: **not specified**

Detector Technologies (tutorials)

Presenter: COLLOT, Johann (university Grenoble Alpes (FR))

Contribution ID: **38**

Type: **not specified**

Medical Applications

Monday, March 6, 2017 2:00 PM (1h 30m)

Presenter: EL BITAR, Ziad (CNRS)

Contribution ID: **39**

Type: **not specified**

Medical Applications

Tuesday, March 7, 2017 10:45 AM (1h 30m)

Presenter: EL BITAR, Ziad (CNRS)

Contribution ID: 40

Type: **not specified**

Detector Technologies : noble liquid detectors

Presenter: COLLOT, Johann (university Grenoble Alpes (FR))

Contribution ID: 41

Type: **not specified**

Additive Printing

Tuesday, March 7, 2017 2:00 PM (1h 30m)

Presenter: KRAUTH, Marc (C)

Contribution ID: 42

Type: **not specified**

Medical Applications

Presenter: EL BITAR, Ziad (CNRS)

Contribution ID: 43

Type: **not specified**

Medical Applications

Tuesday, March 7, 2017 9:00 AM (1h 30m)

Presenter: EL BITAR, Ziad (CNRS)

Contribution ID: 44

Type: **not specified**

Project Management

Wednesday, March 1, 2017 10:45 AM (1h 30m)

Presenter: Dr BONNAL, Pierre (CERN)

Contribution ID: 45

Type: **not specified**

Project Management

Wednesday, March 8, 2017 2:00 PM (1h 30m)

Presenter: Dr BONNAL, Pierre (CERN)

Contribution ID: 46

Type: **not specified**

Project Management

Wednesday, March 8, 2017 3:45 PM (1h 30m)

Presenter: Dr BONNAL, Pierre (CERN)

Contribution ID: 47

Type: **not specified**

Project Management

Wednesday, March 1, 2017 9:00 AM (1h 30m)

Presenter: Dr BONNAL, Pierre (CERN)

Contribution ID: 48

Type: **not specified**

C++ Programming

Wednesday, March 15, 2017 9:00 AM (1h 30m)

Presenter: PONCE, Sebastien (CERN)

Contribution ID: 49

Type: **not specified**

C++ Programming

Wednesday, March 15, 2017 10:45 AM (1h 30m)

Presenter: PONCE, Sebastien (CERN)

Contribution ID: 50

Type: **not specified**

Trigger

Friday, March 3, 2017 2:00 PM (1h 30m)

Presenter: PASTORE, Francesca (Royal Holloway, University of London)

Contribution ID: 51

Type: **not specified**

Trigger

Presenter: PASTORE, Francesca (Royal Holloway, University of London)

Contribution ID: 52

Type: **not specified**

Data Handling Technologies

Monday, February 27, 2017 3:45 PM (1h 30m)

Presenter: PACE, Alberto (CERN)

Contribution ID: 53

Type: **not specified**

Data Handling Technologies

Monday, February 27, 2017 2:00 PM (1h 30m)

Presenter: PACE, Alberto (CERN)

Contribution ID: 54

Type: **not specified**

Trigger and Data Acquisition Software

Tuesday, February 28, 2017 2:00 PM (1h 30m)

Presenter: PASQUALUCCI, Enrico (Universita e INFN, Roma I (IT))

Contribution ID: 55

Type: **not specified**

FPGA

Tuesday, March 7, 2017 5:15 PM (1h 30m)

Presenter: SAKULIN, Hannes (CERN)

Contribution ID: 56

Type: **not specified**

Data Handling Technologies

Friday, March 3, 2017 9:00 AM (1h 30m)

Presenter: PACE, Alberto (CERN)

Contribution ID: 57

Type: **not specified**

Data Handling Technologies

Friday, March 3, 2017 10:45 AM (1h 30m)

Presenter: PACE, Alberto (CERN)

Contribution ID: 58

Type: **not specified**

Working Time

Contribution ID: 59

Type: **not specified**

Working Time

Contribution ID: **60**

Type: **not specified**

Lab. Sessions in Grenoble

Thursday, March 2, 2017 9:00 AM (1h 30m)

Contribution ID: **61**

Type: **not specified**

Lab. Sessions in Grenoble

Thursday, March 2, 2017 10:45 AM (1h 30m)

Contribution ID: **62**

Type: **not specified**

Lab. Sessions in Grenoble

Thursday, March 2, 2017 2:00 PM (1h 30m)

Contribution ID: **63**

Type: **not specified**

Lab. Sessions in Grenoble

Thursday, March 2, 2017 3:45 PM (1h 30m)

Contribution ID: **64**

Type: **not specified**

C++ Programming

Thursday, March 16, 2017 9:00 AM (1h 30m)

Presenter: PONCE, Sebastien (CERN)

Contribution ID: 65

Type: **not specified**

C++ Programming

Thursday, March 16, 2017 10:45 AM (1h 30m)

Presenter: PONCE, Sebastien (CERN)

Contribution ID: **66**

Type: **not specified**

Composite Materials for Particle Detectors

Monday, March 6, 2017 9:00 AM (1h 30m)

Presenter: ANDERSSON, Eric (Lawrence Berkeley National Lab. (US))

Contribution ID: 67

Type: **not specified**

Composite Materials for Particle Detectors

Monday, March 6, 2017 10:45 AM (1h 30m)

Presenter: ANDERSSON, Eric (Lawrence Berkeley National Lab. (US))

Contribution ID: **68**

Type: **not specified**

Signal Processing and Electronics

Wednesday, February 22, 2017 2:00 PM (1h 30m)

Presenter: DZAHINI, Daniel (LPSC Laboratoire de Physique Subatomique et de Cosmologie (LPSC))

Contribution ID: **69**

Type: **not specified**

Signal Processing and Electronics

Wednesday, February 22, 2017 3:45 PM (1h 30m)

Presenter: DZAHINI, Daniel (LPSC Laboratoire de Physique Subatomique et de Cosmologie (LPSC))

Contribution ID: 70

Type: **not specified**

Working Time

Contribution ID: 71

Type: **not specified**

Working Time

Contribution ID: 72

Type: **not specified**

Signal Processing and Electronics

Thursday, February 23, 2017 9:00 AM (1h 30m)

Presenter: DZAHINI, Daniel (LPSC Laboratoire de Physique Subatomique et de Cosmologie (LPSC))

Contribution ID: 73

Type: **not specified**

Signal Processing and Electronics

Thursday, February 23, 2017 10:45 AM (1h 30m)

Presenter: DZAHINI, Daniel (LPSC Laboratoire de Physique Subatomique et de Cosmologie (LPSC))

Contribution ID: 74

Type: **not specified**

C++ Programming

Tuesday, March 14, 2017 9:00 AM (1h 30m)

Presenter: PONCE, Sebastien (CERN)

Contribution ID: 75

Type: **not specified**

C++ Programming

Tuesday, March 14, 2017 10:45 AM (1h 30m)

Presenter: PONCE, Sebastien (CERN)

Contribution ID: 76

Type: **not specified**

Python Programming

Tuesday, March 14, 2017 2:00 PM (1h 30m)

Presenter: ODIER, Jerome (Centre National de la Recherche Scientifique (FR))

Contribution ID: 77

Type: **not specified**

Python Programming

Tuesday, March 14, 2017 3:45 PM (1h 30m)

Presenter: ODIER, Jerome (Centre National de la Recherche Scientifique (FR))

Contribution ID: 78

Type: **not specified**

Lab. Sessions at CERN

Friday, March 10, 2017 9:00 AM (1h 30m)

Contribution ID: 79

Type: **not specified**

Lab. Sessions at CERN

Friday, March 10, 2017 10:45 AM (1h 30m)

Contribution ID: **80**

Type: **not specified**

Lab. Sessions at CERN

Friday, March 10, 2017 2:00 PM (1h 30m)

Contribution ID: **81**

Type: **not specified**

Lab. Sessions at CERN

Friday, March 10, 2017 3:45 PM (1h 30m)

Contribution ID: **82**

Type: **not specified**

Lab. Sessions at CERN

Thursday, March 9, 2017 9:00 AM (1h 30m)

Contribution ID: **83**

Type: **not specified**

Lab. Sessions at CERN

Thursday, March 9, 2017 10:45 AM (1h 30m)

Contribution ID: **84**

Type: **not specified**

Lab. Sessions at CERN

Thursday, March 9, 2017 2:00 PM (1h 30m)

Contribution ID: **85**

Type: **not specified**

Lab. Sessions at CERN

Thursday, March 9, 2017 3:45 PM (1h 30m)

Contribution ID: **86**

Type: **not specified**

Magnets for Particle Detectors

Monday, March 13, 2017 10:45 AM (1h 30m)

Presenter: TEN KATE, Herman (CERN)

Contribution ID: 87

Type: **not specified**

Magnets for Particle Detectors

Monday, March 13, 2017 2:00 PM (1h 30m)

Presenter: TEN KATE, Herman (CERN)

Contribution ID: **88**

Type: **not specified**

Magnets for Particle Detectors

Monday, March 13, 2017 3:45 PM (1h 30m)

Presenter: TEN KATE, Herman (CERN)

Contribution ID: **89**

Type: **not specified**

VME bus and Modular Electronics

Monday, February 27, 2017 9:00 AM (1h 30m)

Presenter: JOOS, Markus (CERN)

Contribution ID: **90**

Type: **not specified**

VME bus and Modular Electronics

Monday, February 27, 2017 10:45 AM (1h 30m)

Presenter: JOOS, Markus (CERN)

Contribution ID: **91**

Type: **not specified**

Working time to finish lab. reports

Contribution ID: 92

Type: **not specified**

Ultra Cold Neutrons

Tuesday, February 28, 2017 10:45 AM (1h 30m)

Presenter: PIGNOL, Guillaume

Contribution ID: 93

Type: **not specified**

Ultra Cold Neutrons

Tuesday, February 28, 2017 9:00 AM (1h 30m)

Presenter: PIGNOL, Guillaume

Contribution ID: 94

Type: **not specified**

Grid Computing

Wednesday, March 15, 2017 3:45 PM (1h 30m)

Presenter: Dr BISCARAT, Catherine (LPSC Grenoble, IN2P3/CNRS)

Contribution ID: 95

Type: **not specified**

Ultra Cold Neutrons

Wednesday, March 1, 2017 2:00 PM (1h 30m)

Presenter: PIGNOL, Guillaume

Contribution ID: **96**

Type: **not specified**

Ultra Cold Neutrons

Wednesday, March 1, 2017 3:45 PM (1h 30m)

Presenter: PIGNOL, Guillaume

Contribution ID: 97

Type: **not specified**

Working time to finish lab. reports

Contribution ID: **98**

Type: **not specified**

Working time to finish lab. reports

Contribution ID: **99**

Type: **not specified**

Space Projects

Presenter: DROZ, Jan

Contribution ID: **100**

Type: **not specified**

Space Agencies and Policies, Space Project management

Presenter: DROZ, Jan

Contribution ID: **101**

Type: **not specified**

Project Operation

Presenter: DROZ, Jan

Contribution ID: **102**

Type: **not specified**

Detector Technologies

Thursday, February 23, 2017 2:00 PM (1h 30m)

Presenter: BROM, Jean-Marie (Institut Pluridisciplinaire Hubert Curien (IPHC)-Inst. Nat. Phys)

Contribution ID: **103**

Type: **not specified**

Grid Computing

Wednesday, March 15, 2017 2:00 PM (1h 30m)

Presenter: Dr BISCARAT, Catherine (LPSC Grenoble, IN2P3/CNRS)

Contribution ID: **104**

Type: **not specified**

Presentation of ESIPAP & Presentation of Students 2017

Monday, February 20, 2017 2:00 PM (1h 30m)

Contribution ID: **105**

Type: **not specified**

Working Time

Contribution ID: **106**

Type: **not specified**

Medical Applications

Monday, March 6, 2017 3:45 PM (1h 30m)

Presenter: EL BITAR, Ziad (CNRS)

Contribution ID: **107**

Type: **not specified**

Space Projects

Friday, March 17, 2017 9:00 AM (1h 30m)

Presenters: RONGIER, Isabelle; DROZ, Jan

Contribution ID: **108**

Type: **not specified**

Space Projects

Friday, March 17, 2017 10:45 AM (1h 30m)

Presenters: RONGIER, Isabelle; DROZ, Jan

Contribution ID: **109**

Type: **not specified**

Space Projects

Friday, March 17, 2017 2:00 PM (1h 30m)

Presenters: RONGIER, Isabelle; DROZ, Jan

Contribution ID: **110**

Type: **not specified**

Conference

Monday, February 27, 2017 6:00 PM (1h 30m)

Contribution ID: 111

Type: **not specified**

Signal Processing and Electronics

Thursday, February 23, 2017 3:45 PM (1h 30m)

Presenter: DZAHINI, Daniel (LPSC Laboratoire de Physique Subatomique et de Cosmologie (LPSC))

Contribution ID: 112

Type: **not specified**

Signal Processing and Electronics

Friday, February 24, 2017 9:00 AM (1h 30m)

Presenter: DZAHINI, Daniel (LPSC Laboratoire de Physique Subatomique et de Cosmologie (LPSC))

Contribution ID: **113**

Type: **not specified**

Detector Technologies (tutorials)

Friday, February 24, 2017 2:00 PM (1h 30m)

Presenter: COLLOT, Johann (university Grenoble Alpes (FR))

Contribution ID: **114**

Type: **not specified**

Detector Technologies: noble liquid detectors

Friday, February 24, 2017 10:45 AM (1h 30m)

Presenter: COLLOT, Johann (university Grenoble Alpes (FR))

Contribution ID: 115

Type: **not specified**

Detector Technologies Detectors for X-Ray Facilities

Presenter: COLLOT, Johann (university Grenoble Alpes (FR))

Contribution ID: **116**

Type: **not specified**

Additive Printing Projet

Tuesday, March 7, 2017 3:45 PM (1h 30m)

Presenter: KRAUTH, Marc (C)

Contribution ID: 117

Type: **not specified**

Mechanical Vibration Simulation in Complex Detectors (CERN)

Contribution ID: **118**

Type: **not specified**

ESI WELCOME & BUILDING VISIT

Monday, February 20, 2017 12:00 PM (30 minutes)

Contribution ID: **119**

Type: **not specified**

Photon Counting Imaging

Friday, February 24, 2017 3:45 PM (1h 30m)

Summary

Presenter: MOREL, Christian (CPPM)

Contribution ID: **120**

Type: **not specified**

Medical Radioisotopes

Wednesday, March 8, 2017 10:45 AM (1h 30m)

Presenter: KOESTER, Ulli (Institut Laue-Langevin (FR))