

**ESIPAP 2021 - COURSE 2-
Advanced lectures on
detectors and applications.**

Report of Contributions

Contribution ID: 0

Type: **not specified**

A few things about particle accelerators

Contribution ID: 1

Type: **not specified**

Introduction

Contribution ID: 2

Type: **not specified**

Units, quantities, kinematics, measurements

Contribution ID: 3

Type: **not specified**

Tutorial 1: kinematics, particle interaction and detector response

Contribution ID: 4

Type: **not specified**

Particle interactions in particle detectors

Contribution ID: 5

Type: **not specified**

Tutorial 2; analysis of classic experiments

Contribution ID: 6

Type: **not specified**

Systems used to identify and measure particle properties

Contribution ID: 7

Type: **not specified**

Tutorial 3: analysis of the ATLAS and CMS Higgs mass measurement papers

Contribution ID: 8

Type: **not specified**

Particle experiment design

Contribution ID: 9

Type: **not specified**

Tutorial 4: analysis of neutrino experiments

Contribution ID: **10**

Type: **not specified**

Detection of neutrinos (and other invisible particles)

Contribution ID: 11

Type: **not specified**

Full lecture notes, tutorial on CMB experiments, tutorial on LSS experiments

Presenter: MACIAS-PEREZ, Juan Francisco (L)

Contribution ID: 12

Type: **not specified**

Experimental astoparticle physics : lecture 2

Presenter: Prof. MONTANET, Francois (LPSC IN2P3/CNRS Univ. Grenoble)

Contribution ID: 13

Type: **not specified**

Experimental astroparticle physics : lecture 1

Presenter: Prof. MONTANET, Francois (LPSC IN2P3/CNRS Univ. Grenoble)

Contribution ID: 14

Type: **not specified**

Experimental Astroparticle Physics Lecture 2

Presenter: Prof. MONTANET, Francois (LPSC IN2P3/CNRS Univ. Grenoble)

Contribution ID: 15

Type: **not specified**

Experimental Astroparticle Physics (tutorial)

Presenter: DELMASTRO, Marco (CNRS/IN2P3 LAPP)

Contribution ID: **16**

Type: **not specified**

Tutorial 1

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

Contribution ID: 17

Type: **not specified**

Lecture 1

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

Contribution ID: **18**

Type: **not specified**

Tutorial 2

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

Contribution ID: **19**

Type: **not specified**

Lecture 2

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

Contribution ID: **20**

Type: **not specified**

Lecture 2

Statistic and estimators (mean, variance, maximum likelihood, chi-square fit)

Presenter: CLEMENT, Benoit Eric (Université Joseph Fourier/LPSC)

Contribution ID: 21

Type: **not specified**

Lecture 1

Basics in probability theory

Presenter: CLEMENT, Benoit Eric (Université Joseph Fourier/LPSC)

Contribution ID: 22

Type: **not specified**

Lecture 2

Presenter: COADOU, Yann (CPPM, Aix-Marseille Université, CNRS/IN2P3 (FR))

Contribution ID: 23

Type: **not specified**

Lecture 1

Presenter: COADOU, Yann (CPPM, Aix-Marseille Université, CNRS/IN2P3 (FR))

Contribution ID: 24

Type: **not specified**

Lecture 4

Presenter: COADOU, Yann (CPPM, Aix-Marseille Université, CNRS/IN2P3 (FR))

Contribution ID: 25

Type: **not specified**

Lecture 3

Presenter: COADOU, Yann (CPPM, Aix-Marseille Université, CNRS/IN2P3 (FR))

Contribution ID: 26

Type: **not specified**

Exam material

Contribution ID: 27

Type: **not specified**

Interaction of particles with matter Lecture 2

Presenter: DI CIACCIO, Lucia (Centre National de la Recherche Scientifique (FR))

Contribution ID: 28

Type: **not specified**

Inaugural Lecture by Peter Jenni (Albert-Ludwigs-University-Freiburg-CERN) The long journey to the Higgs boson & beyond at the LHC

Presenter: JENNI, Peter (Albert-Ludwigs-Universitaet Freiburg (DE))

Contribution ID: 29

Type: **not specified**

Experimental Cosmology Lecture 1

Summary

Presenter: MACIAS-PEREZ, Juan Francisco (LPSC, CNRS)

Contribution ID: **30**

Type: **not specified**

Arrival

Contribution ID: 31

Type: **not specified**

Presentation of ESIPAP & Presentation of Students

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

Contribution ID: 32

Type: **not specified**

INAUGURAL LESSON - Ultra high energy cosmic rays: experimental results and open questions in the multi-messenger era

Antonella Castellina
Istituto Nazionale di Astrofisica

Contribution ID: 33

Type: **not specified**

Experimental Subatomic Physics Lecture 3

Presenter: DELMASTRO, Marco (CNRS/IN2P3 LAPP)

Contribution ID: 34

Type: **not specified**

Experimental Subatomic Physics Lecture 5

Summary

Presenter: DELMASTRO, Marco (CNRS/IN2P3 LAPP)

Contribution ID: 35

Type: **not specified**

Experimental Subatomic Physics Lecture 1

Summary

Presenter: DELMASTRO, Marco (CNRS/IN2P3 LAPP)

Contribution ID: 36

Type: **not specified**

Experimental Cosmology Lecture 3

Summary

Presenter: MACIAS-PEREZ, Juan Francisco (LPSC, CNRS)

Contribution ID: 37

Type: **not specified**

Experimental Subatomic Physics Tutorial 1

Presenter: DELMASTRO, Marco (CNRS/IN2P3 LAPP)

Contribution ID: **38**

Type: **not specified**

Experimental Subatomic Physics Lecture 2

Summary

Presenter: MACIAS-PEREZ, Juan Francisco (LPSC, CNRS)

Contribution ID: 39

Type: **not specified**

Experimental Cosmology Tutorial 3

Summary

Presenter: MACIAS-PEREZ, Juan Francisco (LPSC, CNRS)

Contribution ID: 40

Type: **not specified**

Experimental Cosmology Tutorial 2

Summary

Presenter: MACIAS-PEREZ, Juan Francisco (LPSC, CNRS)

Contribution ID: 41

Type: **not specified**

Experimental Cosmology Lecture 2

Summary

Presenter: MACIAS-PEREZ, Juan Francisco (LPSC, CNRS)

Contribution ID: 42

Type: **not specified**

Experimental Subatomic Physics Tutorial 3

Summary

Presenter: DELMASTRO, Marco (CNRS/IN2P3 LAPP)

Contribution ID: 43

Type: **not specified**

Experimental Cosmology Tutorial 1

Presenter: MACIAS-PEREZ, Juan Francisco (LPSC, CNRS)

Contribution ID: 44

Type: **not specified**

Experimental Subatomic Physics lecture 4

Presenter: DELMASTRO, Marco (CNRS/IN2P3 LAPP)

Contribution ID: 45

Type: **not specified**

Experimental Astroparticle Physics Tutorial 1

Presenter: Prof. MONTANET, Francois (LPSC IN2P3/CNRS Univ. Grenoble)

Contribution ID: 46

Type: **not specified**

Experimental Subatomic Physics tutorial 2

Presenter: DELMASTRO, Marco (CNRS/IN2P3 LAPP)

Contribution ID: 47

Type: **not specified**

Experimental Astroparticle Physics Lecture 1

Presenter: Prof. MONTANET, Francois (LPSC IN2P3/CNRS Univ. Grenoble)

Contribution ID: 48

Type: **not specified**

Lab. Session : at CERN

Presenter: RUPPIN, Florian

Contribution ID: 49

Type: **not specified**

Lab. Session : at CERN (return schedule at 18:00)

Contribution ID: 50

Type: **not specified**

Experimental Subatomic Physics (tutorial)

Presenter: DELMASTRO, Marco (CNRS/IN2P3 LAPP)

Contribution ID: 51

Type: **not specified**

C++ Programming

Summary

Presenter: CHABERT, Eric (Institut Pluridisciplinaire Hubert Curien (FR))

Contribution ID: 52

Type: **not specified**

C++ Programming

Summary

Presenter: CHABERT, Eric (Institut Pluridisciplinaire Hubert Curien (FR))

Contribution ID: 53

Type: **not specified**

Lab. Session : at CERN

Contribution ID: 54

Type: **not specified**

Lab. Session : at CERN

Contribution ID: 55

Type: **not specified**

C++ Programming

Summary

Presenter: CHABERT, Eric (Institut Pluridisciplinaire Hubert Curien (FR))

Contribution ID: 56

Type: **not specified**

C++ Programming

Summary

Presenter: CHABERT, Eric (Institut Pluridisciplinaire Hubert Curien (FR))

Contribution ID: 57

Type: **not specified**

Tracking : Lecture 3

Presenter: BAUDOT, Jerome (Institut Pluridisciplinaire Hubert Curien (FR))

Contribution ID: 58

Type: **not specified**

Tracking : Tutorial

Presenter: BAUDOT, Jerome (Institut Pluridisciplinaire Hubert Curien (FR))

Contribution ID: 59

Type: **not specified**

Stochastic & Statistical Aspects : part 1 Lecture 1

Contribution ID: **60**

Type: **not specified**

Stochastic & Statistical Aspect : part 1 Lecture 2

Contribution ID: **61**

Type: **not specified**

Experimental Astroparticle Physics Lecture 3

Presenter: Prof. MONTANET, Francois (LPSC IN2P3/CNRS Univ. Grenoble)

Contribution ID: 62

Type: **not specified**

Interaction of Particles with Matter Tutorial 2

Summary

Presenter: DI CIACCIO, Lucia (Centre National de la Recherche Scientifique (FR))

Contribution ID: **63**

Type: **not specified**

Tracking : Lecture 1

Presenter: BAUDOT, Jerome (Institut Pluridisciplinaire Hubert Curien (FR))

Contribution ID: **64**

Type: **not specified**

Particle Identification

Presenter: UNAL, Guillaume (CERN)

Contribution ID: 65

Type: **not specified**

Particle Identification

Presenter: UNAL, Guillaume (CERN)

Contribution ID: **66**

Type: **not specified**

Tracking : Lecture 2

Presenter: BAUDOT, Jerome (Institut Pluridisciplinaire Hubert Curien (FR))

Contribution ID: 67

Type: **not specified**

Radioprotection

Presenter: Dr VINCKE, Helmut (CERN)

Contribution ID: **68**

Type: **not specified**

Decision trees Lecture 3

Presenter: COADOU, Yann (CPPM, Aix-Marseille Université, CNRS/IN2P3 (FR))

Contribution ID: 69

Type: **not specified**

Decision trees Lecture 4

Presenter: COADOU, Yann (CPPM, Aix-Marseille Université, CNRS/IN2P3 (FR))

Contribution ID: 70

Type: **not specified**

Radioprotection

Summary

Presenter: Dr VINCKE, Helmut (CERN)

Contribution ID: 71

Type: **not specified**

Calorimetry : lecture 1

Presenter: SAUVAN, Jean-Baptiste (Centre National de la Recherche Scientifique (FR))

Contribution ID: 72

Type: **not specified**

Muon Detection lecture 1

Presenter: CHEVALIER, Laurent (CEA/IRFU,Centre d'etude de Saclay Gif-sur-Yvette (FR))

Contribution ID: 73

Type: **not specified**

Muon Detection lecture 2

Presenter: CHEVALIER, Laurent (CEA/IRFU,Centre d'etude de Saclay Gif-sur-Yvette (FR))

Contribution ID: 74

Type: **not specified**

Lab. Session : at CERN

Presenter: CHEVALIER, Laurent (CEA/IRFU,Centre d'etude de Saclay Gif-sur-Yvette (FR))

Contribution ID: 75

Type: **not specified**

Muon Detecttion Lecture 3

Presenter: CHEVALIER, Laurent (CEA/IRFU,Centre d'etude de Saclay Gif-sur-Yvette (FR))

Contribution ID: 76

Type: **not specified**

Muon Detection tutorial

Contribution ID: 77

Type: **not specified**

Imaging and Cherenkov Detectors : Lecture 3

Presenter: Prof. MONTANET, Francois (LPSC IN2P3/CNRS Univ. Grenoble)

Contribution ID: 78

Type: **not specified**

Lab. Session at CERN (return scheduled at 18:00)

Contribution ID: 79

Type: **not specified**

Imaging and Cherenkov Detectors : lecture 1

Presenter: Prof. MONTANET, Francois (LPSC IN2P3/CNRS Univ. Grenoble)

Contribution ID: **80**

Type: **not specified**

Lab. Session : at CERN

Presenter: Prof. MONTANET, Francois (LPSC IN2P3/CNRS Univ. Grenoble)

Contribution ID: **81**

Type: **not specified**

Lab. Session : at CERN (return schedule at 18:00)

Contribution ID: **82**

Type: **not specified**

Calorimetry : Lecture 2

Presenter: SAUVAN, Jean-Baptiste (Centre National de la Recherche Scientifique (FR))

Contribution ID: **83**

Type: **not specified**

Detector Simulation

Presenters: Dr RIBON, Alberto (CERN); POKORSKI, Witold (CERN)

Contribution ID: **84**

Type: **not specified**

Calorimetry : Lecture 3

Presenter: SAUVAN, Jean-Baptiste (Centre National de la Recherche Scientifique (FR))

Contribution ID: **85**

Type: **not specified**

Detector Simulation

Presenters: Dr RIBON, Alberto (CERN); POKORSKI, Witold (CERN)

Contribution ID: **86**

Type: **not specified**

Muon Detection

Presenter: CHEVALIER, Laurent (CEA/IRFU,Centre d'étude de Saclay Gif-sur-Yvette (FR))

Contribution ID: **87**

Type: **not specified**

Detector Simulation

Presenters: Dr RIBON, Alberto (CERN); POKORSKI, Witold (CERN)

Contribution ID: **88**

Type: **not specified**

Calorimetry : Lecture 4

Presenter: SAUVAN, Jean-Baptiste (Centre National de la Recherche Scientifique (FR))

Contribution ID: **89**

Type: **not specified**

Detector Simulation

Presenters: Dr RIBON, Alberto (CERN); POKORSKI, Witold (CERN)

Contribution ID: **90**

Type: **not specified**

Computing Sessions

Presenters: CHABERT, Eric (Institut Pluridisciplinaire Hubert Curien (FR)); CONTE, Eric (Institut Pluridisciplinaire Hubert Curien (FR))

Contribution ID: **91**

Type: **not specified**

Computing Sessions

Presenters: CHABERT, Eric (Institut Pluridisciplinaire Hubert Curien (FR)); CONTE, Eric (Institut Pluridisciplinaire Hubert Curien (FR))

Contribution ID: 92

Type: **not specified**

Computing Sessions

Presenters: CHABERT, Eric (Institut Pluridisciplinaire Hubert Curien (FR)); CONTE, Eric (Institut Pluridisciplinaire Hubert Curien (FR))

Contribution ID: 93

Type: **not specified**

Computing Sessions

Presenters: CHABERT, Eric (Institut Pluridisciplinaire Hubert Curien (FR)); CONTE, Eric (Institut Pluridisciplinaire Hubert Curien (FR))

Contribution ID: **94**

Type: **not specified**

Computing Sessions

Presenters: CHABERT, Eric (Institut Pluridisciplinaire Hubert Curien (FR)); CONTE, Eric (Université de Haute Alsace (FR))

Contribution ID: 95

Type: **not specified**

Computing Sessions

Presenters: CHABERT, Eric (Institut Pluridisciplinaire Hubert Curien (FR)); CONTE, Eric (Institut Pluridisciplinaire Hubert Curien (FR))

Contribution ID: **96**

Type: **not specified**

Computing Sessions

Presenters: CHABERT, Eric (Institut Pluridisciplinaire Hubert Curien (FR)); CONTE, Eric (Institut Pluridisciplinaire Hubert Curien (FR))

Contribution ID: 97

Type: **not specified**

Computing Sessions

Presenters: CHABERT, Eric (Institut Pluridisciplinaire Hubert Curien (FR)); CONTE, Eric (Institut Pluridisciplinaire Hubert Curien (FR))

Contribution ID: 98

Type: **not specified**

Stochastic & Statistical Aspects : Multivariate analysis and boosted decision trees

Presenter: COADOU, Yann (CPPM, Aix-Marseille Université, CNRS/IN2P3 (FR))

Contribution ID: 99

Type: **not specified**

Stochastic & Statistical Aspects : Multivariate analysis and boosted decision trees

Presenter: COADOU, Yann (CPPM, Aix-Marseille Université, CNRS/IN2P3 (FR))

Contribution ID: **100**

Type: **not specified**

Exam Calorimetry

Contribution ID: **101**

Type: **not specified**

Experimental Subatomic Physics Tutorial 4

Presenter: DELMASTRO, Marco (CNRS/IN2P3 LAPP)

Contribution ID: **102**

Type: **not specified**

Experimental Subatomic Physics Tutorial 5

Presenter: DELMASTRO, Marco (CNRS/IN2P3 LAPP)

Contribution ID: **103**

Type: **not specified**

Interaction of Particules with Matter Lecture 1

Presenters: DI CIACCIO, Lucia (Centre National de la Recherche Scientifique (FR)); DI CIACCIO, Lucia (Centre National de la Recherche Scientifique (FR))

Contribution ID: **104**

Type: **not specified**

Interaction of Particules with Matter Tutorial 1

Presenters: DI CIACCIO, Lucia (Centre National de la Recherche Scientifique (FR)); DI CIACCIO, Lucia (Centre National de la Recherche Scientifique (FR))

Contribution ID: **105**

Type: **not specified**

Detector Simulation

Summary

Presenter: POKORSKI, Witold (CERN)

Contribution ID: **106**

Type: **not specified**

Detector Simulation

Presenter: RIBON, Alberto (CERN)

Contribution ID: **107**

Type: **not specified**

Machine learning lecture 1

Presenter: COADOU, Yann (CPPM, Aix-Marseille Université, CNRS/IN2P3 (FR))

Contribution ID: **108**

Type: **not specified**

Machine learning lecture 2

Presenter: COADOU, Yann (CPPM, Aix-Marseille Université, CNRS/IN2P3 (FR))

Contribution ID: **109**

Type: **not specified**

Detector Simulation

Summary

Presenter: POKORSKI, Witold (CERN)

Contribution ID: **110**

Type: **not specified**

Detector Simulation

Presenter: RIBON, Alberto (CERN)

Contribution ID: 111

Type: **not specified**

Imaging and Cherenkov Detectors : lecture 2

Presenter: Prof. MONTANET, Francois (LPSC IN2P3/CNRS Univ. Grenoble)

Contribution ID: 112

Type: **not specified**

C++ Programming

Summary

Presenter: CHABERT, Eric (Institut Pluridisciplinaire Hubert Curien (FR))

Contribution ID: **113**

Type: **not specified**

Computing Sessions

Primary author: CHABERT, Eric (Institut Pluridisciplinaire Hubert Curien (FR))

Presenters: CHABERT, Eric (Institut Pluridisciplinaire Hubert Curien (FR)); CONTE, Eric (Institut Pluridisciplinaire Hubert Curien (FR))

Contribution ID: **114**

Type: **not specified**

OFFICIAL OPENING (welcome & building visit)

Contribution ID: 115

Type: **not specified**

CHECK-IN AT THE RESIDENCE & SHOPPING FOR GROCERIES

Contribution ID: **116**

Type: **not specified**

Novel High Gradient Particle Accelerators (Seminar)

Contribution ID: **117**

Type: **not specified**

Arrival

Contribution ID: **118**

Type: **not specified**

Presentation of ESIPAP

Monday, 15 February 2021 14:00 (30 minutes)

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

Contribution ID: **119**

Type: **not specified**

Welcome Lunch Offered by ESI

Contribution ID: **120**

Type: **not specified**

Presentation of ESIPAP & Presentation of students

Contribution ID: 121

Type: **not specified**

Reminder on Particle Interaction with Matter

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

Contribution ID: 122

Type: **not specified**

CHECK-IN AT THE RESIDENCE & SHOPPING FOR GROCERIES

Contribution ID: **123**

Type: **not specified**

Gaseous detectors

Tuesday, 16 February 2021 09:00 (1h 30m)

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

Contribution ID: 124

Type: **not specified**

Signal Processing and Electronics

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

Contribution ID: 125

Type: **not specified**

C++ Programming

Wednesday, 24 February 2021 09:00 (1h 30m)

Summary

Presenter: PONCE, Sebastien (CERN)

Contribution ID: 126

Type: **not specified**

Practical on cosmic muon detection

Summary

Presenter: Prof. MONTANET, Francois (LPSC IN2P3/CNRS Univ. Grenoble)

Contribution ID: 127

Type: **not specified**

Low Temperature Detectors

Wednesday, 17 February 2021 09:00 (1h 30m)

Presenter: CALVO, Martino (Institut Néel Grenoble)

Contribution ID: 128

Type: **not specified**

Detector Technologies

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

Contribution ID: **129**

Type: **not specified**

Detector Technologies

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

Contribution ID: **130**

Type: **not specified**

Semiconductor detectors

Wednesday, 17 February 2021 10:45 (1h 30m)

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

Contribution ID: 131

Type: **not specified**

Signal Processing and Electronics

Wednesday, 17 February 2021 14:00 (1h 30m)

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

Contribution ID: 132

Type: **not specified**

Signal Processing and Electronics

Wednesday, 17 February 2021 15:45 (1h 30m)

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

Contribution ID: 133

Type: **not specified**

Signal Processing and Electronics

Thursday, 18 February 2021 09:00 (1h 30m)

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

Contribution ID: 134

Type: **not specified**

Signal Processing and Electronics

Thursday, 18 February 2021 10:45 (1h 30m)

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

Contribution ID: 135

Type: **not specified**

Cherenkov and transition radiation detectors

Thursday, 18 February 2021 14:00 (1h 30m)

Presenter: JORAM, Christian (CERN)

Contribution ID: 136

Type: **not specified**

Gravitational wave detection

Thursday, 18 February 2021 15:45 (1h 30m)

Presenter: GOUATY, Romain (LAPP)

Contribution ID: **137**

Type: **not specified**

Scintillation detectors

Friday, 19 February 2021 09:00 (1h 30m)

Presenter: AUFRAY HILLEMANN, Etienne (CERN)

Contribution ID: 138

Type: **not specified**

Signal Processing and Electronics

Friday, 19 February 2021 10:45 (1h 30m)

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

Contribution ID: **139**

Type: **not specified**

Gaseous neutron detectors for slow neutron facilities

Friday, 19 February 2021 14:00 (1h 30m)

Presenter: GUERARD, Bruno (ILL)

Contribution ID: **140**

Type: **not specified**

Detector Tutorials

Friday, 19 February 2021 15:45 (1h 30m)

Summary

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

Contribution ID: 141

Type: **not specified**

Composite Materials for Particle Detectors

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

Contribution ID: 142

Type: **not specified**

Composite Materials for Particle Detectors

No Class - Homework

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

Contribution ID: 143

Type: **not specified**

C++ Programming

Tuesday, 23 February 2021 09:00 (1h 30m)

Presenter: PONCE, Sebastien (CERN)

Contribution ID: 144

Type: **not specified**

Ultra Cold Neutrons

Presenter: PIGNOL, Guillaume (LPSC)

Contribution ID: 145

Type: **not specified**

Python programming

Tuesday, 23 February 2021 14:00 (1h 30m)

Presenter: Dr POTAMIANOS, Karolos (University of Oxford (GB))

Contribution ID: **146**

Type: **not specified**

Python programming

Tuesday, 23 February 2021 15:45 (1h 30m)

Presenter: Dr POTAMIANOS, Karolos (University of Oxford (GB))

Contribution ID: **147**

Type: **not specified**

FGPA

Presenter: SAKULIN, Hannes (CERN)

Contribution ID: **150**

Type: **not specified**

Python programming

Wednesday, 24 February 2021 14:00 (1h 30m)

Presenter: Dr POTAMIANOS, Karolos (University of Oxford (UK))

Contribution ID: **151**

Type: **not specified**

Python programming

Wednesday, 24 February 2021 15:45 (1h 30m)

Presenter: Dr POTAMIANOS, Karolos (University of Oxford (UK))

Contribution ID: 152

Type: **not specified**

Building Large Accelerators (JUAS Seminar)

Presenter: LEBRUN, Philippe (European Scientific Institute (FR))

Contribution ID: **153**

Type: **not specified**

C++ Programming

Thursday, 25 February 2021 09:00 (1h 30m)

Presenter: PONCE, Sebastien (CERN)

Contribution ID: 154

Type: **not specified**

Lab Training Session Sessions at CERN (Return Schedule at 18:00)

Contribution ID: 155

Type: **not specified**

Data Handling Technologies

Presenter: PACE, Alberto (CERN)

Contribution ID: 156

Type: **not specified**

Data Handling Technologies

Presenter: PACE, Alberto (CERN)

Contribution ID: 157

Type: **not specified**

Exam : SPE

Contribution ID: 158

Type: **not specified**

Composite Materials for Particle Detectors

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

Contribution ID: 159

Type: **not specified**

Composite Materials for Particle Detectors

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

Contribution ID: **160**

Type: **not specified**

Magnet for Particle Detector

Monday, 1 March 2021 14:00 (1h 30m)

Presenter: TEN KATE, Herman (CERN)

Contribution ID: **161**

Type: **not specified**

Magnet for Particle Detector

Monday, 1 March 2021 15:45 (1h 30m)

Presenter: TEN KATE, Herman (CERN)

Contribution ID: **162**

Type: **not specified**

Composite materials for particle detectors

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

Contribution ID: **163**

Type: **not specified**

Composite materials for particle detectors

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

Contribution ID: **164**

Type: **not specified**

Additive Printing

Presenter: KRAUTH, Marc (C)

Contribution ID: **165**

Type: **not specified**

Additive Printing

Presenter: KRAUTH, Marc (C)

Contribution ID: **166**

Type: **not specified**

Project Management

Wednesday, 3 March 2021 10:45 (1h 30m)

Summary

Presenter: WIJNANDS, Thijs (CERN)

Contribution ID: **167**

Type: **not specified**

Medical Applications (with Johann Collot)

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

Contribution ID: **168**

Type: **not specified**

Additive Printing

Wednesday, 3 March 2021 14:00 (1h 30m)

Presenter: KRAUTH, Marc (C)

Contribution ID: **169**

Type: **not specified**

Project Management

Presenter: BONNAL, Pierre (CERN)

Contribution ID: 170

Type: **not specified**

Project Management

Thursday, 4 March 2021 09:00 (1h 30m)

Summary

Presenter: WIJNANDS, Thijs (CERN)

Contribution ID: 171

Type: **not specified**

Lab Training Session Sessions in Grenoble (Night in Grenoble)

Contribution ID: 172

Type: **not specified**

EXAMINATION : SPE

Contribution ID: 173

Type: **not specified**

Lab Training Session Sessions in Grenoble (Return scheduled at 19:00)

Contribution ID: 174

Type: **not specified**

Medical imaginig : Medical Physics challenges in diagnostic imaging

Monday, 8 March 2021 10:45 (1h 30m)

Speaker: Jean-François Adam, UGA; INSERM SYnchrotron Radiation for biomedicine

Contribution ID: 175

Type: **not specified**

Tutored applied Project design

Monday, 8 March 2021 14:00 (1h 30m)

Contribution ID: 176

Type: **not specified**

Tutored applied Project design

Monday, 8 March 2021 15:45 (1h 30m)

Contribution ID: 177

Type: **not specified**

Radiotherapy : Medical physics challenges in modern radiotherapy

Tuesday, 9 March 2021 09:00 (1h 30m)

Jean-François Adam, UGA; team INSERM SYNchrotron Radiation for biomedicine

Contribution ID: 178

Type: **not specified**

Medical imaging : Photon (x-ray) Imaging

Tuesday, 9 March 2021 10:45 (1h 30m)

Presenter: MOREL, Christian (Centre National de la Recherche Scientifique (FR))

Contribution ID: 179

Type: **not specified**

Tutored applied Project design

Wednesday, 10 March 2021 14:00 (1h 30m)

Summary

Contribution ID: **180**

Type: **not specified**

Tutored applied Project design

Wednesday, 10 March 2021 15:45 (1h 30m)

Summary

Contribution ID: **181**

Type: **not specified**

Radiotherapy : Beam monitoring in high-intensity radiotherapy treatments beams

Wednesday, 10 March 2021 09:00 (1h 30m)

Yannick Arnoud; UGA; LPSC équipe applications médicales

Presenter: ARNOUD, Yannick (LPSC Laboratoire de Physique Subatomique et de Cosmologie (LPSC))

Contribution ID: **182**

Type: **not specified**

Medical Imaging : Advances in nuclear medicine

Wednesday, 10 March 2021 10:45 (1h 30m)

Jean-Noël Badel, Physicien Médical PhD; centre de lutte contre le cancer Léon Bérard, Lyon

Contribution ID: **183**

Type: **not specified**

Tutored applied Project design

Tuesday, 9 March 2021 14:00 (1h 30m)

Summary

Contribution ID: **184**

Type: **not specified**

Tutored applied Project design

Tuesday, 9 March 2021 15:45 (1h 30m)

Summary

Contribution ID: **185**

Type: **not specified**

Radiotherapy : Quality Assurance for small beam radiotherapy and HDR brachytherapy

Thursday, 11 March 2021 09:00 (1h 30m)

Patrick Pittet, Ingénieur de recherche , Institut des nanotechnologies de Lyon

Contribution ID: **186**

Type: **not specified**

Medical imaging : x-ray phase contrast imaging in medecine

Thursday, 11 March 2021 10:45 (1h 30m)

Emmanuel Brun , chargé de recherche equipe INSERM SYnchrotron Radiation for biomedicine

Contribution ID: **187**

Type: **not specified**

Exam : MA

Contribution ID: **188**

Type: **not specified**

Radiotherapy : How to boost radiation therapies using nanoparticless

Friday, 12 March 2021 09:00 (1h 30m)

Erika Porcel, physicienne médicale , Maître de conférences , Université Paris Saclay

Summary

Contribution ID: **189**

Type: **not specified**

Space Projects (Seminar)

Presenters: Mrs RONGIER, Isabelle (ASL); Mr DROZ, Jan (CNES)

Contribution ID: **190**

Type: **not specified**

Space Projects (Seminar)

Presenters: Mrs RONGIER, Isabelle (ASL); Mr DROZ, Jan (CNES)

Contribution ID: **191**

Type: **not specified**

END OF ESIPAP 2018

Contribution ID: **192**

Type: **not specified**

Project Management

Presenter: BONNAL, Pierre (CERN)

Contribution ID: **193**

Type: **not specified**

Free-Electron Lasers (seminar)

Presenter: PRAT COSTA, Eduard (PSI - Paul Scherrer Institute)

Contribution ID: **194**

Type: **not specified**

LHC & Future High-Energy Circular Collider (Seminar)

Presenter: BRUNING, Oliver (CERN)

Contribution ID: **195**

Type: **not specified**

AFTER WORK AT ESI

Contribution ID: **196**

Type: **not specified**

AFTER WORK AT ESI

Contribution ID: **197**

Type: **not specified**

Lab. Session : at CERN

Bus leaves at 7:00 from ESIPAP

Presenter: CHEVALIER, Laurent (CEA/IRFU,Centre d'etude de Saclay Gif-sur-Yvette (FR))

Contribution ID: **198**

Type: **not specified**

Particle accelerators, instruments of discovery in physics (Seminar)

Presenter: LEBRUN, Philippe (European Scientific Institute (FR))

Contribution ID: **199**

Type: **not specified**

AFTER WORK AT ESI

Contribution ID: **200**

Type: **not specified**

AFTER WORK AT ESI

Contribution ID: **201**

Type: **not specified**

AFTER WORK AT ESI

Contribution ID: **202**

Type: **not specified**

Project Management

Presenter: BONNAL, Pierre (CERN)

Contribution ID: **203**

Type: **not specified**

Project Management

Presenter: BONNAL, Pierre (CERN)

Contribution ID: **204**

Type: **not specified**

AFTER WORK AT ESI

Contribution ID: **205**

Type: **not specified**

FPGA

Presenter: SAKULIN, Hannes (CERN)

Contribution ID: **206**

Type: **not specified**

AFTER WORK AT ESI

Contribution ID: **207**

Type: **not specified**

Free-Electron Lasers (JUAS)

Presenter: PRAT COSTA, Eduard (PSI - Paul Scherrer Institute)

Contribution ID: **208**

Type: **not specified**

LHC & Future High-Energy Circular Collider (JUAS)

Presenter: BRUNING, Oliver (CERN)

Contribution ID: **209**

Type: **not specified**

AFTER WORK AT ESI

Contribution ID: **210**

Type: **not specified**

EXAM : Experimental Cosmology

Contribution ID: **211**

Type: **not specified**

AFTER WORK AT ESI

Contribution ID: 212

Type: **not specified**

Futur High-Energy Linear Colliders

Presenter: RINOLFI, Louis (European Scientific Institute (FR))

Contribution ID: **213**

Type: **not specified**

Evaluation of the week

Contribution ID: **214**

Type: **not specified**

Noble liquid detectors

Tuesday, 16 February 2021 10:45 (1h 30m)

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

Contribution ID: 215

Type: **not specified**

Introduction to Signal Processing and Electronics

Tuesday, 16 February 2021 14:00 (1 hour)

Eric Delagnes

Presenter: DELAGNES, Eric (Université Paris-Saclay (FR))

Contribution ID: **216**

Type: **not specified**

Signal Processing and Electronics

Tuesday, 16 February 2021 15:00 (2h 15m)

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

Contribution ID: 217

Type: **not specified**

Particle accelerators, instruments of discovery in Physics (JUAS Seminar)

Presenter: LEBRUN, Philippe (European Scientific Institute (FR))

Contribution ID: **218**

Type: **not specified**

Accelerator driven system (Seminar JUAS)

Presenter: BAYLAC, Maud (LPSC)

Contribution ID: **219**

Type: **not specified**

C++ Programming

Tuesday, 23 February 2021 10:45 (1h 30m)

Presenter: PONCE, Sebastien (CERN)

Contribution ID: **220**

Type: **not specified**

FPGA

Presenter: SAKULIN, Hannes (CERN)

Contribution ID: **221**

Type: **not specified**

Data Handling

Thursday, 25 February 2021 14:00 (1h 30m)

Presenter: PACE, Alberto (CERN)

Contribution ID: 222

Type: **not specified**

C++ Programming

Thursday, 25 February 2021 10:45 (1h 30m)

Presenter: PONCE, Sebastien (CERN)

Contribution ID: 223

Type: **not specified**

Data Handling

Thursday, 25 February 2021 15:45 (1h 30m)

Presenter: PACE, Alberto (CERN)

Contribution ID: 224

Type: **not specified**

Data Handling

Friday, 26 February 2021 09:00 (1h 30m)

Presenter: PACE, Alberto (CERN)

Contribution ID: 225

Type: **not specified**

Evaluation of the Week 6

Contribution ID: 226

Type: **not specified**

Ultra Cold Neutrons

Presenter: PIGNOL, Guillaume (LPSC)

Contribution ID: 227

Type: **not specified**

Magnet for Particle Detector

Monday, 1 March 2021 10:45 (1h 30m)

Presenter: TEN KATE, Herman (CERN)

Contribution ID: 228

Type: **not specified**

Ahead Lab : detection of extensive air cosmic showers

Tuesday, 2 March 2021 09:00 (1h 30m)

Presenter: Prof. MONTANET, Francois (LPSC IN2P3/CNRS Univ. Grenoble)

Contribution ID: 229

Type: **not specified**

Ahead Lab : detection of extensive air cosmic showers

Tuesday, 2 March 2021 10:45 (1h 30m)

Presenter: Prof. MONTANET, Francois (LPSC IN2P3/CNRS Univ. Grenoble)

Contribution ID: **230**

Type: **not specified**

Additive Printing

Wednesday, 3 March 2021 15:45 (1h 30m)

Presenter: KRAUTH, Marc (C)

Contribution ID: 231

Type: **not specified**

Evaluation of the Week 8

Contribution ID: **232**

Type: **not specified**

Welcome drink

Contribution ID: **233**

Type: **not specified**

FPGA

Monday, 22 February 2021 14:00 (1h 30m)

Presenter: SAKULIN, Hannes (CERN)

Contribution ID: 234

Type: **not specified**

FPGA

Contribution ID: 235

Type: **not specified**

Trigger

Monday, 22 February 2021 09:00 (1h 30m)

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

Contribution ID: 236

Type: **not specified**

Detector : general aspects

Monday, 15 February 2021 15:45 (1h 30m)

Presenter: WERMES, Norbert (University of Bonn (DE))

Contribution ID: 237

Type: **not specified**

Trigger and Data Acquisition Software

Monday, 22 February 2021 10:45 (1h 30m)

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

Contribution ID: 238

Type: **not specified**

C++ Programming

Wednesday, 24 February 2021 10:45 (1h 30m)

Presenter: PONCE, Sebastien (CERN)

Contribution ID: **239**

Type: **not specified**

Data Handling

Friday, 26 February 2021 10:45 (1h 30m)

Presenter: PACE, Alberto (CERN)

Contribution ID: 240

Type: **not specified**

Applied design project preparatory meeting

Friday, 26 February 2021 14:00 (1h 30m)

Contribution ID: **241**

Type: **not specified**

Lab. Session

Contribution ID: 242

Type: **not specified**

Project Management

Wednesday, 3 March 2021 09:00 (1h 30m)

Summary

Presenter: WIJNANDS, Thijs (CERN)

Contribution ID: 243

Type: **not specified**

Project Management

Thursday, 4 March 2021 10:45 (1h 30m)

Summary

Presenter: WIJNANDS, Thijs (CERN)

Contribution ID: 244

Type: **not specified**

Lab. Session - Alpha particle pulse measurement in diamond detectors

Thursday, 4 March 2021 14:00 (1h 30m)

Contribution ID: 245

Type: **not specified**

Lab. Session - Alpha particle pulse measurement in diamond detectors

Thursday, 4 March 2021 15:45 (1h 30m)

Contribution ID: 246

Type: **not specified**

Medical Radiosotopes

Monday, 8 March 2021 09:00 (1h 30m)

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

Contribution ID: 247

Type: **not specified**

Tutored applied Project design

Thursday, 11 March 2021 14:00 (1h 30m)

Contribution ID: **248**

Type: **not specified**

Tutored applied Project design

Thursday, 11 March 2021 15:45 (1h 30m)

Contribution ID: 249

Type: **not specified**

Medical Imaging

Contribution ID: 250

Type: **not specified**

Ultrasound : more than just a non ionizing imaging modality

Friday, 12 March 2021 10:45 (1h 30m)

Hervé Liebgott - membre junior de l'Institut Universitaire de France (Promotion 2014), Professeur à l'université de Lyon 1 et responsable de l'équipe imagerie ultrasonore à CREATIS.

Contribution ID: 251

Type: **not specified**

ZOOM LINK OF THE WEEK 5

Contribution ID: 252

Type: **not specified**

ZOOM LINK OF THE WEEK 6

TBC

Contribution ID: 253

Type: **not specified**

ZOOM LINK OF THE WEEK 7

TBC

Contribution ID: 254

Type: **not specified**

ZOOM LINK OF THE WEEK 8

TBC

Contribution ID: 255

Type: **not specified**

Students presentation & faculty presentation

Monday, 15 February 2021 15:00 (30 minutes)

Contribution ID: **256**

Type: **not specified**

Presentation of ESI

Monday, 15 February 2021 14:30 (15 minutes)

Contribution ID: 257

Type: **not specified**

ESI practical information

Monday, 15 February 2021 14:45 (15 minutes)

Presenter: RIBET, Lise Lea (European Scientific Institute (FR))