

**ESIPAP 2021 - COURSE 1 -
Physics of particle and
astroparticle detectors**

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 Partical Physics Tutorial 5

Monday 25 January 2021 10:45 (1h 30m)

Presenter: DELMASTRO, Marco (CNRS/IN2P3 LAPP)

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

Tuesday 26 January 2021 14:00 (1h 30m)

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

Tuesday 19 January 2021 14:00 (1h 30m)

Summary

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

Contribution ID: **30**

Type: **not specified**

Opening

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

Contribution ID: 33

Type: **not specified**

Experimental Particle Physics Lecture 3

Wednesday 20 January 2021 09:00 (1h 30m)

Presenter: DELMASTRO, Marco (CNRS/IN2P3 LAPP)

Contribution ID: **34**

Type: **not specified**

Experimental Subatomic Physics Lecture 5

Friday 22 January 2021 09:00 (1h 30m)

Summary

Presenter: DELMASTRO, Marco (CNRS/IN2P3 LAPP)

Contribution ID: 35

Type: **not specified**

Experimental particle physics Lecture 1

Tuesday 19 January 2021 09:00 (1h 30m)

Summary

Presenter: DELMASTRO, Marco (CNRS/IN2P3 LAPP)

Contribution ID: 36

Type: **not specified**

Experimental Cosmology Lecture 3

Wednesday 20 January 2021 13:30 (1h 30m)

Summary

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

Contribution ID: 37

Type: **not specified**

Experimental Subatomic Physics Tutorial 1

Wednesday 20 January 2021 10:45 (1h 30m)

Presenter: DELMASTRO, Marco (CNRS/IN2P3 LAPP)

Contribution ID: **38**

Type: **not specified**

Experimental Particle Physics Lecture 2

Tuesday 19 January 2021 10:45 (1h 30m)

Summary

Presenter: DELMASTRO, Marco (CNRS/IN2P3 LAPP)

Contribution ID: 39

Type: **not specified**

Experimental Astroparticle Physics Lecture 2

Thursday 21 January 2021 15:45 (1h 30m)

Summary

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

Contribution ID: 40

Type: **not specified**

Experimental Astroparticle Physics Lecture 1

Thursday 21 January 2021 14:00 (1h 30m)

Summary

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

Contribution ID: 41

Type: **not specified**

Experimental Cosmology Lecture 2

Tuesday 19 January 2021 15:45 (1h 30m)

Summary

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

Contribution ID: 42

Type: **not specified**

Experimental Subatomic Physics Tutorial 3

Friday 22 January 2021 10:45 (1h 30m)

Summary

Presenter: DELMASTRO, Marco (CNRS/IN2P3 LAPP)

Contribution ID: 43

Type: **not specified**

Experimental Cosmology Tutorial 1

Wednesday 20 January 2021 15:15 (1h 30m)

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

Contribution ID: 44

Type: **not specified**

Experimental Subatomic Physics lecture 4

Thursday 21 January 2021 09:00 (1h 30m)

Presenter: DELMASTRO, Marco (CNRS/IN2P3 LAPP)

Contribution ID: 45

Type: **not specified**

Radioprotection Lecture 2

Tuesday 26 January 2021 10:45 (1h 30m)

Presenters: Dr VINCKE, Helmut (CERN); VINCKE, Heinz (CERN)

Contribution ID: 46

Type: **not specified**

Experimental Subatomic Physics tutorial 2

Thursday 21 January 2021 10:45 (1h 30m)

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 2 : Solid State detector

Friday 29 January 2021 14:00 (1h 30m)

Presenter: HIMMERLICH, Anja (CERN)

Contribution ID: 49

Type: **not specified**

Lab. Session 2 : Solid State detector

Friday 29 January 2021 15:45 (1h 30m)

Presenter: HIMMERLICH, Anja (CERN)

Contribution ID: 50

Type: **not specified**

Experimental Subatomic Physics (tutorial)

Presenter: DELMASTRO, Marco (CNRS/IN2P3 LAPP)

Contribution ID: 51

Type: **not specified**

C++ Programming

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

Summary

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

Contribution ID: 52

Type: **not specified**

C++ Programming

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

Summary

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

Contribution ID: 53

Type: **not specified**

Lab. Session 1 : Characterization of Silicon Pixel Sensors for HEP

Friday 29 January 2021 09:00 (1h 30m)

Presenter: KROEGER, Jens (Ruprecht Karls Universitaet Heidelberg (DE))

Contribution ID: 54

Type: **not specified**

Lab. Session : at CERN

Contribution ID: 55

Type: **not specified**

C++ Programming

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

Summary

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

Contribution ID: 56

Type: **not specified**

C++ Programming

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

Summary

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

Contribution ID: 57

Type: **not specified**

Tracking : Lecture 3

Thursday 28 January 2021 09:00 (1h 30m)

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

Contribution ID: 58

Type: **not specified**

Tracking : Tutorial

Thursday 28 January 2021 10:45 (1h 30m)

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

Contribution ID: 59

Type: **not specified**

Machine Learning Lecture 3

Thursday 28 January 2021 14:00 (1h 30m)

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

Contribution ID: **60**

Type: **not specified**

Machine Learning Lecture 4

Thursday 28 January 2021 15:45 (1h 30m)

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

Contribution ID: **61**

Type: **not specified**

Radioprotection Lecture 1

Tuesday 26 January 2021 09:00 (1h 30m)

Presenters: Dr VINCKE, Helmut (CERN); VINCKE, Heinz (CERN)

Contribution ID: **62**

Type: **not specified**

Interaction of Particles with Matter Tutorial 2

Tuesday 26 January 2021 15:45 (1h 30m)

Summary

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

Contribution ID: **63**

Type: **not specified**

Tracking : Lecture 1

Wednesday 27 January 2021 09:00 (1h 30m)

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

Contribution ID: **64**

Type: **not specified**

EXAMINATION : TRACKING

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

Wednesday 27 January 2021 10:45 (1h 30m)

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

Contribution ID: 67

Type: **not specified**

Machine Learning Lecture 1

Wednesday 27 January 2021 14:00 (1h 30m)

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

Contribution ID: **68**

Type: **not specified**

Calorimetry Lecture 4

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

Presenters: OCHANDO, Christophe (Centre National de la Recherche Scientifique (FR)); SAUVAN, Jean-Baptiste (Centre National de la Recherche Scientifique (FR))

Contribution ID: **69**

Type: **not specified**

Muon Detection Lecture 1

Tuesday 2 February 2021 14:00 (1h 30m)

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

Contribution ID: 70

Type: **not specified**

Machine Learning Lecture 2

Wednesday 27 January 2021 15:45 (1h 30m)

Summary

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

Contribution ID: 71

Type: **not specified**

Calorimetry : lecture 1

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

Presenters: Dr OCHANDO, Christophe (Centre National de la Recherche Scientifique (FR)); SAUVAN, Jean-Baptiste (Centre National de la Recherche Scientifique (FR))

Contribution ID: 72

Type: **not specified**

Muon Detection lecture 3

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

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

Contribution ID: 73

Type: **not specified**

Muon Detection Tutorial

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

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

Contribution ID: 74

Type: **not specified**

Lab. Session 3 : Resistive Plate Chambers

Friday 5 February 2021 10:45 (1h 30m)

Presenters: MANDELLI, Beatrice (CERN); GUIDA, Roberto (CERN)

Contribution ID: 75

Type: **not specified**

Imaging and Cherenkov Detectors Lecture 3

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

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

Contribution ID: 76

Type: **not specified**

Particle Identification Lecture 1

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

Presenter: UNAL, Guillaume (CERN)

Contribution ID: 77

Type: **not specified**

Particle Identification Lecture 2

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

Presenter: UNAL, Guillaume (CERN)

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

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

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

Contribution ID: **80**

Type: **not specified**

Lab. Session 4 : Microscopic modelling of gaseous detectors

Friday 5 February 2021 14:00 (1h 30m)

Presenters: RENNEN, Josh (Univ. of Valencia and CSIC (ES)); VEENHOF, Rob (Uludag University (TR))

Contribution ID: **81**

Type: **not specified**

Lab. Session 4 : Microscopic modelling of gaseous detectors

Friday 5 February 2021 15:45 (1h 30m)

Presenters: RENNERT, Josh (Univ. of Valencia and CSIC (ES)); VEENHOF, Rob (Uludag University (TR))

Contribution ID: **82**

Type: **not specified**

TMVA Lab

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

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

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

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

Presenters: OCHANDO, Christophe (Centre National de la Recherche Scientifique (FR)); 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**

Muon Detection Lecture 2

Tuesday 2 February 2021 15:45 (1h 30m)

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

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

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

Contribution ID: **91**

Type: **not specified**

Computing Sessions

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

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

Contribution ID: **92**

Type: **not specified**

Computing Sessions

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

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

Contribution ID: 93

Type: **not specified**

Computing Sessions

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

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

Contribution ID: 94

Type: **not specified**

Computing Sessions

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

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

Contribution ID: 95

Type: **not specified**

Computing Sessions

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

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

Contribution ID: **96**

Type: **not specified**

Computing Sessions

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

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

Contribution ID: 97

Type: **not specified**

Computing Sessions

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

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 Astroparticle Physics Lecture 3

Friday 22 January 2021 14:00 (1h 30m)

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

Contribution ID: **102**

Type: **not specified**

Experimental Astroparticle Physics Tutorial 1

Friday 22 January 2021 15:45 (1h 30m)

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

Contribution ID: **103**

Type: **not specified**

Interaction of Particules with Matter Lecture 1

Monday 25 January 2021 14:00 (1h 30m)

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

Monday 25 January 2021 15:45 (1h 30m)

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

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

Summary

Presenter: Dr RIBON, Alberto (CERN)

Contribution ID: **106**

Type: **not specified**

Detector Simulation

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

Presenter: RIBON, Alberto (CERN)

Contribution ID: **107**

Type: **not specified**

Calorimetry Lecture 2

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

Presenters: OCHANDO, Christophe (Centre National de la Recherche Scientifique (FR)); SAUVAN, Jean-Baptiste (Centre National de la Recherche Scientifique (FR))

Contribution ID: **108**

Type: **not specified**

TMVA Lab

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

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

Contribution ID: **109**

Type: **not specified**

Detector Simulation

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

Summary

Presenter: Dr RIBON, Alberto (CERN)

Contribution ID: **110**

Type: **not specified**

Detector Simulation

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

Presenter: RIBON, Alberto (CERN)

Contribution ID: **111**

Type: **not specified**

Imaging and Cherenkov Detectors : lecture 2

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

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

Contribution ID: **112**

Type: **not specified**

C++ Programming

Summary

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

Contribution ID: **113**

Type: **not specified**

Computing Sessions

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**

Presentation of ESIPAP

Monday 18 January 2021 15:00 (30 minutes)

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

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**

OFFICIAL OPENING (welcome & building visit)

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**

Detector Technologies

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**

Lab Training Session @CERN (Bus leaves at 7:30 - Return scheduled at 12:15)

Composite Lab (François Boyer)

Summary

Presenter: BOYER, Francois (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

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**

Detector Technologies

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

Contribution ID: **131**

Type: **not specified**

Signal Processing and Electronics

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

Contribution ID: **132**

Type: **not specified**

Signal Processing and Electronics

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

Contribution ID: 133

Type: **not specified**

Signal Processing and Electronics

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

Contribution ID: 134

Type: **not specified**

Signal Processing and Electronics

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

Contribution ID: 135

Type: **not specified**

Detector Technologies

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

Contribution ID: **136**

Type: **not specified**

Signal Processing and Electronics

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

Contribution ID: **137**

Type: **not specified**

Signal Processing and Electronics

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

Contribution ID: **138**

Type: **not specified**

Detector Technologies noble liquid detectors

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

Contribution ID: **139**

Type: **not specified**

Detector Technologies (tutorial)

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

Contribution ID: **140**

Type: **not specified**

Gravitational wave detection

Summary

Presenter: Mr GOUATY, Romain (LAPP)

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: ANDERSSSEN, Eric (Lawrence Berkeley National Lab. (US))

Contribution ID: **143**

Type: **not specified**

Project Management

Presenters: BONNAL, Pierre (CERN); WIJNANDS, Thijs (CERN)

Contribution ID: **144**

Type: **not specified**

Ultra Cold Neutrons

Presenter: PIGNOL, Guillaume (LPSC)

Contribution ID: **145**

Type: **not specified**

Trigger

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

Contribution ID: **146**

Type: **not specified**

Trigger and Data Acquisition Software

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

Contribution ID: **147**

Type: **not specified**

FGPA

Presenter: SAKULIN, Hannes (CERN)

Contribution ID: **150**

Type: **not specified**

Data Handling Technologies

Presenter: PACE, Alberto (CERN)

Contribution ID: **151**

Type: **not specified**

Data Handling Technologies

Presenter: PACE, Alberto (CERN)

Contribution ID: **152**

Type: **not specified**

Building Large Accelerators (JUAS Seminar)

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

Contribution ID: **153**

Type: **not specified**

Data Handling Technologies

Presenter: PACE, Alberto (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**

Medical Applications

Presenter: EL BITAR, Ziad (CNRS)

Contribution ID: **161**

Type: **not specified**

Medical Applications

Presenter: EL BITAR, Ziad (CNRS)

Contribution ID: **162**

Type: **not specified**

Medical Applications

Presenter: EL BITAR, Ziad (CNRS)

Contribution ID: **163**

Type: **not specified**

Medical Applications

Presenter: EL BITAR, Ziad (CNRS)

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**

Photon Counting Imaging

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

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

Presenter: KRAUTH, Marc (C)

Contribution ID: **169**

Type: **not specified**

Project Management

Presenter: BONNAL, Pierre (CERN)

Contribution ID: 170

Type: **not specified**

Lab Training Session Sessions at LPSC in Grenoble (Bus leaves at 7:30))

Lunch at LPSC

Night in Grenoble

Contribution ID: 171

Type: **not specified**

Lab Training Session Sessions in Grenoble (Night in Grenoble)

Contribution ID: 172

Type: **not specified**

Lab Training Session Sessions at LPSC in Grenoble (starts at 9:30)

Shuttle leaves at 14:30 from Grenoble to Archamps

Contribution ID: 173

Type: **not specified**

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

Contribution ID: 174

Type: **not specified**

Magnets for Particle Detectors

Presenter: TEN KATE, Herman (CERN)

Contribution ID: 175

Type: **not specified**

Magnets for Particle Detectors

Presenter: TEN KATE, Herman (CERN)

Contribution ID: 176

Type: **not specified**

Magnets for Particle Detectors

Presenter: TEN KATE, Herman (CERN)

Contribution ID: 177

Type: **not specified**

C++ Programming

Presenter: PONCE, Sebastien (CERN)

Contribution ID: **178**

Type: **not specified**

C++ Programming

Presenter: PONCE, Sebastien (CERN)

Contribution ID: **179**

Type: **not specified**

Python Programming

Summary

Presenter: POTAMIANOS, Karolos (Deutsches Elektronen-Synchrotron (DE))

Contribution ID: **180**

Type: **not specified**

Python Programming

Summary

Contribution ID: **181**

Type: **not specified**

C++ Programming

Presenter: PONCE, Sebastien (CERN)

Contribution ID: **182**

Type: **not specified**

C++ Programming

Presenter: PONCE, Sebastien (CERN)

Contribution ID: **183**

Type: **not specified**

Grid Computing

Summary

Presenter: POTAMIANOS, Karolos (Deutsches Elektronen-Synchrotron (DE))

Contribution ID: **184**

Type: **not specified**

Grid Computing

Summary

Presenter: POTAMIANOS, Karolos (Deutsches Elektronen-Synchrotron (DE))

Contribution ID: **185**

Type: **not specified**

C++ Programming

Presenter: PONCE, Sebastien (CERN)

Contribution ID: **186**

Type: **not specified**

C++ Programming

Presenter: PONCE, Sebastien (CERN)

Contribution ID: **187**

Type: **not specified**

Exam : MA

Contribution ID: **188**

Type: **not specified**

Conference Ariane Odyssey

Isabelle Rongier & Jan Droz

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 3 : Resistive Plate Chambers

Friday 5 February 2021 09:00 (1h 30m)

Presenters: MANDELLI, Beatrice (CERN); GUIDA, Roberto (CERN)

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**

Detector Technologies

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

Contribution ID: 215

Type: **not specified**

Signal Processing and Electronics

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

Contribution ID: **216**

Type: **not specified**

Signal Processing and Electronics

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**

Project Management

Presenters: BONNAL, Pierre (CERN); WIJNANDS, Thijs (CERN)

Contribution ID: **220**

Type: **not specified**

FPGA

Presenter: SAKULIN, Hannes (CERN)

Contribution ID: **221**

Type: **not specified**

Data Handling Technologies

Presenter: PACE, Alberto (CERN)

Contribution ID: **222**

Type: **not specified**

Project Management

Presenter: WIJNANDS, Thijs (CERN)

Contribution ID: **223**

Type: **not specified**

Project Management

Presenter: WIJNANDS, Thijs (CERN)

Contribution ID: 224

Type: **not specified**

Lab Training Sessions at CERN (Bus leaves at 7:30 - Lunch @ CERN - Return scheduled at 13:15)

Lunch @ CERN

PET Lab Yves Lemoigne

Presenter: Dr LEMOIGNE, Yves (TERA Foundation (IT))

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**

Ultra Cold Neutrons

Presenter: PIGNOL, Guillaume (LPSC)

Contribution ID: **228**

Type: **not specified**

Ultra Cold Neutrons

Presenter: PIGNOL, Guillaume (LPSC)

Contribution ID: **229**

Type: **not specified**

Ultra Cold Neutrons

Presenter: PIGNOL, Guillaume (LPSC)

Contribution ID: **230**

Type: **not specified**

Additive Printing Project

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**

AHEAD Lab : Detection of extensive air showers

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

Contribution ID: 234

Type: **not specified**

AHEAD Lab : Detection of extensive air showers

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

Contribution ID: 235

Type: **not specified**

Medical Radioisotopes

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

Contribution ID: **236**

Type: **not specified**

ZOOM LINK OF THE DAY

<https://zoom.us/j/91429588507?pwd=VU10ZHFwRzNPQ0JvMXhDZXQwbllwUT09>

ID de réunion : 914 2958 8507

Code secret : 263730

Contribution ID: **237**

Type: **not specified**

ZOOM LINK FOR COURSE 1

Link : <https://zoom.us/j/9020515599?pwd=dHAySmZlZXRLcXFoRkY5WHh4S0JoQT09>

Meeting ID : 902 051 5599

Password : 74160

Contribution ID: **238**

Type: **not specified**

ZOOM LINK OF THE WEEK 2

Link : <https://zoom.us/j/95285657617?pwd=anpyTW0rdDhSRVFGc3ZGcEkvdWp5QT09>

ID meeting : 952 8565 7617

Password: 648328

Contribution ID: **239**

Type: **not specified**

Lab. Session 1 : Characterization of Silicon Pixel Sensors for HEP

Friday 29 January 2021 10:45 (1h 30m)

Presenter: KROEGER, Jens (Ruprecht Karls Universitaet Heidelberg (DE))

Contribution ID: **240**

Type: **not specified**

Students presentation & faculty presentation

Monday 18 January 2021 16:10 (35 minutes)

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

Contribution ID: **241**

Type: **not specified**

C++ Programming

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

Contribution ID: **242**

Type: **not specified**

Computing sessions

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

Contribution ID: **243**

Type: **not specified**

ZOOM LINK OF THE WEEK 3

TBC

Contribution ID: **244**

Type: **not specified**

ZOOM LINK OF THE WEEK 4

TBC

Contribution ID: 245

Type: **not specified**

Experimental Partical Physics Tutorial 4

Monday 25 January 2021 09:00 (1h 30m)

Presenter: DELMASTRO, Marco (CNRS/IN2P3 LAPP)

Contribution ID: **246**

Type: **not specified**

Presentation of ESI

Monday 18 January 2021 15:30 (15 minutes)

Presenter: HOLLAND, Robert Lionel (European Scientific Institute (FR))

Contribution ID: **247**

Type: **not specified**

ESI practical information

Monday 18 January 2021 15:45 (25 minutes)

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

Contribution ID: **248**

Type: **not specified**

HOW DO YOU FEEL?

Tuesday 19 January 2021 17:15 (20 minutes)

Presenters: COLLOT, Johann (Centre National de la Recherche Scientifique (FR)); RIBET, Lise Lea (European Scientific Institute (FR))

Contribution ID: **249**

Type: **not specified**

Lab Session : point on the organisation

Wednesday 20 January 2021 16:45 (20 minutes)

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