

**XIV ICFA School on
Instrumentation in
Elementary Particle Physics**



Report of Contributions

Contribution ID: 1

Type: **not specified**

Arrival and Registration

Monday 27 November 2017 08:30 (30 minutes)

Contribution ID: 2

Type: **not specified**

Opening

Monday 27 November 2017 09:00 (1 hour)

Presenters: CATTAL, Ariella (ICFA - Instrumentation Panel Chair); DIAZ, Angelina (CEADEN - Directora); RAYDEL, Montesinos Perurena (UCI - Vicerector Primero)

Contribution ID: 3

Type: **not specified**

Overview of CERN, Activities and Discoveries

Monday 27 November 2017 10:00 (1 hour)

Presenter: KRAMMER, Manfred (CERN)

Contribution ID: 4

Type: **not specified**

Scintillators I

Monday 4 December 2017 08:30 (1 hour)

Presenter: LECOQ, Paul (CERN)

Contribution ID: 5

Type: **not specified**

Electronics and Signal Processing II

Monday 4 December 2017 09:30 (1 hour)

Presenter: DE LA TAILLE, Christophe (OMEGA (FR))

Contribution ID: 6

Type: **not specified**

Future Accelerators II

Monday 4 December 2017 11:00 (1 hour)

Presenter: FERRARIO, Massimo (INFN-LNF)

Contribution ID: 7

Type: **not specified**

Neutrino Physics and Detectors I

Monday 4 December 2017 12:00 (1 hour)

Presenter: OYAMA, Yuichi (KEK)

Contribution ID: **8**

Type: **not specified**

LHC Physics and Detectors

Wednesday 6 December 2017 11:00 (1 hour)

Presenter: ROLANDI, Gigi (CERN)

Contribution ID: 9

Type: **not specified**

LHC Physics and Detectors II

Wednesday 6 December 2017 14:00 (1 hour)

Presenter: ROLANDI, Gigi (CERN)

Contribution ID: **10**

Type: **not specified**

Heavy Ion Physics and Detectors

Wednesday 6 December 2017 15:00 (2 hours)

Presenter: SCHUTZ, Yves (IPHC, Strasbourg)

Contribution ID: **11**

Type: **not specified**

Cosmic Rays Physics and Detectors I-II

Thursday 7 December 2017 08:30 (2 hours)

Presenter: MOSTAFA, Miguel (Penn State University)

Contribution ID: 12

Type: **not specified**

Physics for Medical Applications I

Thursday 7 December 2017 11:00 (1 hour)

Presenter: CERELLO, Piergiorgio (Universita e INFN Torino (IT))

Contribution ID: 13

Type: **not specified**

Nanotechnologies I

Thursday 7 December 2017 12:00 (1 hour)

Presenter: RODDARO, Stefano (University of Pisa and INFN, Italy)

Contribution ID: **14**

Type: **not specified**

Scintillators II

Tuesday 5 December 2017 08:30 (1 hour)

Presenter: LECOQ, Paul (CERN)

Contribution ID: 15

Type: **not specified**

Electronics and Signal Processing III

Tuesday 5 December 2017 09:30 (1 hour)

Presenter: DE LA TAILLE, Christophe (OMEGA (FR))

Contribution ID: **16**

Type: **not specified**

Future Accelerators III

Tuesday 5 December 2017 11:00 (1 hour)

Presenter: FERRARIO, massimo (INFN-LNF)

Contribution ID: 17

Type: **not specified**

Neutrino Physics and Detectors II

Tuesday 5 December 2017 12:00 (1 hour)

Presenter: OYAMA, Yuichi (KEK)

Contribution ID: **18**

Type: **not specified**

Alternative Energies

Friday 8 December 2017 08:30 (2 hours)

Presenter: ALIMONTI, Gianluca (Università degli Studi e INFN Milano (IT))

Contribution ID: **19**

Type: **not specified**

Physics for Medical Applications II-III

Friday 8 December 2017 11:00 (2 hours)

Presenter: CERELLO, Piergiorgio (Universita e INFN Torino (IT))

Contribution ID: **20**

Type: **not specified**

Nanotechnologies II

Friday 8 December 2017 14:30 (1 hour)

Contribution ID: **21**

Type: **not specified**

XFEL

Friday 8 December 2017 15:30 (1 hour)

Presenter: MNICH, Joachim (Deutsches Elektronen-Synchrotron (DE))

Contribution ID: 22

Type: **not specified**

Round Table

Friday 8 December 2017 16:30 (1 hour)

Contribution ID: 23

Type: **not specified**

Achievements and Physics Prospects in Asia

Monday 27 November 2017 11:30 (1 hour)

Presenter: HABA, Junji (KEK)

Contribution ID: 24

Type: **not specified**

The Gravitational Waves era (videoconference)

Monday 27 November 2017 14:00 (1 hour)

Presenter: GONZALEZ, Gabriela

Contribution ID: 25

Type: **not specified**

Future of Particle Physics (videoconference)

Monday 27 November 2017 15:00 (1 hour)

Presenter: SHIPSEY, Ian (University of Oxford (GB))

Contribution ID: 26

Type: **not specified**

Introduction to Solar Laboratories

Monday 27 November 2017 16:00 (30 minutes)

Presenters: DOBSON, Marc (CERN); SAKULIN, Hannes (CERN); VAN SPROLANT, William

Contribution ID: 27

Type: **not specified**

Introduction to Solid State Detectors

Tuesday 28 November 2017 09:00 (1 hour)

Presenter: BORTOLETTO, Daniela (University of Oxford (GB))

Contribution ID: 28

Type: **not specified**

Solid State Detectors I

Tuesday 28 November 2017 10:00 (1 hour)

Presenter: BORTOLETTO, Daniela (University of Oxford (GB))

Contribution ID: 29

Type: **not specified**

Introduction to Gaseous Detectors

Tuesday 28 November 2017 11:30 (1 hour)

Presenter: KETZER, Bernhard (University of Bonn (DE))

Contribution ID: **30**

Type: **not specified**

Gaseous Detectors I

Tuesday 28 November 2017 14:00 (1 hour)

Presenter: KETZER, Bernhard (University of Bonn (DE))

Contribution ID: **31**

Type: **not specified**

Introduction to Calorimetry

Tuesday 28 November 2017 15:00 (1 hour)

Presenter: DIEMOZ, Marcella (Sapienza Universita e INFN, Roma I (IT))

Contribution ID: **32**

Type: **not specified**

Solid State Detectors II

Wednesday 29 November 2017 09:00 (1 hour)

Presenter: BORTOLETTO, Daniela (University of Oxford (GB))

Contribution ID: **33**

Type: **not specified**

Gaseous Detectors II

Wednesday 29 November 2017 10:00 (1 hour)

Presenter: KETZER, Bernhard (University of Bonn (DE))

Contribution ID: **34**

Type: **not specified**

Calorimeters I

Wednesday 29 November 2017 11:30 (1 hour)

Presenter: DIEMOZ, Marcella (Sapienza Universita e INFN, Roma I (IT))

Contribution ID: 35

Type: **not specified**

Solid State Detectors III

Thursday 30 November 2017 09:00 (1 hour)

Presenter: BORTOLETTO, Daniela (University of Oxford (GB))

Contribution ID: **36**

Type: **not specified**

Gaseous Detectors III

Thursday 30 November 2017 10:00 (1 hour)

Presenter: KETZER, Bernhard (University of Bonn (DE))

Contribution ID: 37

Type: **not specified**

Calorimeters II

Thursday 30 November 2017 11:30 (1 hour)

Presenter: DIEMOZ, Marcella (Sapienza Universita e INFN, Roma I (IT))

Contribution ID: **38**

Type: **not specified**

Particle ID and RICHs I

Friday 1 December 2017 09:00 (1 hour)

Presenter: FORTY, Roger (CERN)

Contribution ID: **39**

Type: **not specified**

Dark Matter and Detectors I

Friday 1 December 2017 10:00 (1 hour)

Presenter: APRILE, Elena (Columbia University)

Contribution ID: 40

Type: **not specified**

Dark Matter and Detectors II

Friday 1 December 2017 11:30 (1 hour)

Presenter: APRILE, Elena (Columbia University)

Contribution ID: 41

Type: **not specified**

Particle ID and RICHs II

Saturday 2 December 2017 09:00 (1 hour)

Presenter: FORTY, Roger (CERN)

Contribution ID: 42

Type: **not specified**

Future Accelerators I

Saturday 2 December 2017 10:00 (1 hour)

Presenter: FERRARIO, massimo (INFN-LNF)

Contribution ID: 43

Type: **not specified**

Electronics and Signal Processing I

Saturday 2 December 2017 11:30 (1 hour)

Presenter: DE LA TAILLE, Christophe (OMEGA (FR))

Contribution ID: 44

Type: **not specified**

SiPM characterization with CAEN educational kit

Wednesday 29 November 2017 14:00 (4 hours)

Presenters: GARUTTI, Erika (Hamburg University (DE)); CACCIA, Massimo (Sezione Particelle Elementari); ZVOLSKY, Milan; SANTORO, Romualdo (CERN)

Session Classification: Laboratories

Contribution ID: 45

Type: **not specified**

Characterization of solid state detectors with several testing systems

Wednesday 29 November 2017 14:00 (4 hours)

Presenters: BATES, Richard (University of Glasgow (GB)); EKLUND, Lars (University of Glasgow (GB)); MILOVANOVIC, Marko (Jozef Stefan Institute, Ljubljana); PACIFICO, Nicola (CERN); NASTEVA, Irina (Federal University of of Rio de Janeiro (BR))

Session Classification: Laboratories

Contribution ID: 46

Type: **not specified**

Slow control system and exercise to control apparatus

Wednesday 29 November 2017 14:00 (4 hours)

Presenters: FRANCO, Antonio (Universita e INFN, Bari (IT)); DE CATALDO, Giacinto (Universita e INFN, Bari (IT))

Session Classification: Laboratories

Contribution ID: 47

Type: **not specified**

The RICH detection system

Wednesday 29 November 2017 14:00 (4 hours)

Presenters: PESTOTNIK, Rok (Jozef Stefan Institute (SI)); KORPAR, Samo (Jozef Stefan Institute (SI))

Session Classification: Laboratories

Contribution ID: 48

Type: **not specified**

GEANT4 simulation for medical application and cancer treatme

Wednesday 29 November 2017 14:00 (4 hours)

Presenters: PETRINGA, Giada (LNS Catania); PANDOLA, Luciano (INFN-LNS); CIRRONE, Pablo

Session Classification: Laboratories

Contribution ID: 49

Type: **not specified**

Solar energy cells: how to construct a system based on solar energy

Wednesday 29 November 2017 14:00 (4 hours)

Presenters: SAKULIN, Hannes (CERN); DOBSON, Marc (CERN); VAN SPROLANT, William

Session Classification: Laboratories

Contribution ID: 50

Type: **not specified**

Reprogrammable logic in HEP experiment

Wednesday 29 November 2017 14:00 (4 hours)

Presenters: DE CUVELAND, Jan (Johann-Wolfgang-Goethe Univ. (DE)); KIRSCH, Stefan (Johann--
Wolfgang-Goethe Univ. (DE))

Session Classification: Laboratories