

**International Workshop on
LHC, Astrophysics, Medical
and Environmental Physics.
Shkodra (Albania), 6-8 October
2014**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction and presentation of CERN

Monday 6 October 2014 09:35 (30 minutes)

Presenter: Prof. TSESMELIS, Emmanuel (CERN)

Session Classification: Opening session

Contribution ID: 2

Type: **not specified**

Official welcome: Greetings by Prof. Artan Haxhi Rector of the Shkodra University

Monday 6 October 2014 09:00 (20 minutes)

Session Classification: Opening session

Contribution ID: 3

Type: **not specified**

CERN Accelerator system and futur development

Monday 6 October 2014 10:05 (35 minutes)

Presenter: Dr KURTYKA, Tadeusz (CERN)

Session Classification: Opening session

Contribution ID: 4

Type: **not specified**

Atlas detector

Monday 6 October 2014 11:00 (25 minutes)

Presenter: GAZIS, Evangelos (National Technical Univ. of Athens (GR))

Session Classification: HEP experimental

Contribution ID: 5

Type: **not specified**

Alice detector and Heavy Ion physics

Wednesday 8 October 2014 13:30 (40 minutes)

Presenter: FOKA, Yiota (GSI - Helmholtzzentrum für Schwerionenforschung GmbH (DE))

Session Classification: HEP experimental

Contribution ID: 6

Type: **not specified**

Atlas detector upgrades, impact to Medical Physics

Monday 6 October 2014 11:25 (25 minutes)

Presenter: Prof. SAMPSONIDIS, Dimos (Aristotle University of Thessaloniki)

Session Classification: HEP experimental

Contribution ID: 7

Type: **not specified**

LHC as Probe of Standard Model

Contribution ID: 8

Type: **not specified**

Higgs discovery

Presenter: DE FILIPPIS, Nicola (Universita e INFN (IT))

Contribution ID: 9

Type: **not specified**

CMS detector and its upgrades

Presenter: DOBRZYNSKI, Ludwik (Ecole Polytechnique (FR))

Contribution ID: **10**

Type: **not specified**

Higgs discovery and it's properties

Monday 6 October 2014 12:20 (40 minutes)

Presenter: PULJAK, Ivica (Technical University of Split FESB)

Session Classification: HEP experimental

Contribution ID: 11

Type: **not specified**

Physics prospects at LHC: BSM results and SUSY search

Monday 6 October 2014 16:15 (45 minutes)

Presenter: DE ROECK, Albert (CERN)

Session Classification: HEP experimental

Contribution ID: 12

Type: **not specified**

Physics prospects at LHC : BSM results and Susy search

Presenter: , Albert De Roeck

Contribution ID: 13

Type: **not specified**

Computing at LHC

Wednesday 8 October 2014 14:10 (30 minutes)

Presenter: Dr DE FILIPPIS, Nicola (INFN Bari)

Session Classification: HEP experimental

Contribution ID: 14

Type: **not specified**

HEP technologies and they transfer to industry

Wednesday 8 October 2014 14:40 (45 minutes)

Presenter: Prof. IASELLI, Giuseppe (Universita e INFN (IT))

Session Classification: HEP experimental

Contribution ID: 15

Type: **not specified**

Title: Strong and gravitational forces: what do they have in common?

Tuesday 7 October 2014 08:45 (15 minutes)

Presenter: Prof. BORICI, Artan (Tirana University)

Session Classification: HEP theory

Contribution ID: 16

Type: **not specified**

Lattice QCD simulations with domain wall fermions

Presenter: Dr HYKA, Dafina (Tirana University)

Contribution ID: 17

Type: **not specified**

Chiral symmetry on the lattice: broken hypercubic symmetry

Tuesday 7 October 2014 09:00 (15 minutes)

Presenter: Dr ZEQIRLLARI, Rudina (Tirana University)

Session Classification: HEP theory

Contribution ID: **18**

Type: **not specified**

Exotic Black Holes

Tuesday 7 October 2014 12:10 (35 minutes)

Presenter: Prof. DERUELLE, Nathalie

Session Classification: Astrophysics 1

Contribution ID: 19

Type: **not specified**

New prospects in Astrophysics

Wednesday 8 October 2014 15:30 (30 minutes)

Presenter: Prof. RUFFINI, Remo (University "La Sapienza", P.za A. Moro 5 - 00185 Roma)

Session Classification: LHC results and future Prospects

Contribution ID: 20

Type: **not specified**

Overview of observational cosmology

Tuesday 7 October 2014 11:35 (35 minutes)

Presenter: , Vanina Ruhlmann-Kleider (Saclay)

Session Classification: Astrophysics 1

Contribution ID: 21

Type: **not specified**

Oxygen in the Universe

Tuesday 7 October 2014 13:50 (35 minutes)

Presenter: Prof. STASINSKA, Grazyna (Observatoire de Paris)

Session Classification: Astrophysics 2

Contribution ID: 22

Type: **not specified**

Present and future EEuropean astronomical observing facilities, and the Opticon Access program

Tuesday 7 October 2014 14:25 (35 minutes)

Presenter: Prof. DENNEFELD, Michel (University P.M. Curie, and IAP, Paris)

Session Classification: Astrophysics 2

Contribution ID: 23

Type: **not specified**

What we know, what we think we know and what we don't know about the physics

Wednesday 8 October 2014 09:00 (30 minutes)

Presenter: Prof. ROBERT, Mochkovitch (Institut d'Astrophysique de Paris)

Session Classification: Astrophysics, GBR

Contribution ID: 24

Type: **not specified**

Spectral lags in Gamma Ray Bursts

Wednesday 8 October 2014 09:30 (15 minutes)

Presenter: Dr BOÇI, Sonila (Faculty of Natural Sciences, Tirana)

Session Classification: Astrophysics, GBR

Contribution ID: 25

Type: **not specified**

Evaluation of the Quality of the Automated Swift-XRT Pipeline

Wednesday 8 October 2014 09:45 (15 minutes)

Presenter: Dr BARDHO, Onelda (Artemis - Observatoire de la Cote d'Azur)

Session Classification: Astrophysics, GBR

Contribution ID: 26

Type: **not specified**

The significance of the Higgs Boson discovery and prospects in High Energy Physics (tbc)

Presenter: ELLIS, John (CERN)

Contribution ID: 27

Type: **not specified**

Sensor development for environmental science (tbc)

Contribution ID: 28

Type: **not specified**

Overview on Medical Physics

Monday 6 October 2014 14:00 (40 minutes)

Presenter: Dr LEMOIGNE, Yves (IFMP, CERN)

Session Classification: Medical Physics

Contribution ID: 29

Type: **not specified**

Introduction to Hadron therapy

Monday 6 October 2014 14:40 (25 minutes)

Presenter: ALTIERI, Palma Rita (Universita e INFN (IT))

Session Classification: Medical Physics

Contribution ID: **30**

Type: **not specified**

Basic ultrasounds 1

Tuesday 7 October 2014 09:15 (45 minutes)

Presenter: Prof. CACHARD, Christian (Université Lyon 1, France)

Session Classification: Medical Physics

Contribution ID: 31

Type: **not specified**

Ultrasound imaging

Tuesday 7 October 2014 10:00 (45 minutes)

Presenter: Dr LIEBGOTT, Hervé (Institut Universitaire de France & CREATIS, Lyon, France)

Session Classification: Medical Physics

Contribution ID: 32

Type: **not specified**

Medical physics in university: medical education and hospital settings

Wednesday 8 October 2014 11:15 (40 minutes)

Presenter: Prof. MILADINOVA, Daniela (Faculty of Medicine, Skopje, Macedonia)

Session Classification: Medical Physics

Contribution ID: 33

Type: **not specified**

Transducers for ultrasounds

Tuesday 7 October 2014 16:30 (45 minutes)

Presenter: Prof. CACHARD, Christian (Université Lyon 1, France)

Session Classification: Medical Physics

Contribution ID: **34**

Type: **not specified**

Doppler ultrasounds

Tuesday 7 October 2014 17:15 (45 minutes)

Presenter: Prof. CACHARD, Christian (Université Lyon 1, France)

Session Classification: Medical Physics

Contribution ID: 35

Type: **not specified**

Ultrasounds Advanced imaging and thérapy.

Tuesday 7 October 2014 18:00 (45 minutes)

Presenter: Dr LIEBGOTT, Hervé (Institut Universitaire de France & CREATIS, Lyon, France)

Session Classification: Medical Physics

Contribution ID: 36

Type: **not specified**

Science and Education in Albania

Monday 6 October 2014 09:20 (15 minutes)

Presenter: Prof. HAFIZI, Mimoza (Tirana University)

Session Classification: Opening session

Contribution ID: 37

Type: **not specified**

The supermassive black hole at the Galactic center

Wednesday 8 October 2014 10:00 (40 minutes)

Presenter: Prof. DEPAOLIS, Francesco

Session Classification: Astrophysics, Gravitational Microlensing

Contribution ID: **38**

Type: **not specified**

Gravitational microlensing and the finite dimensions of the stars

Wednesday 8 October 2014 10:40 (20 minutes)

Presenter: Dr HAMOLLI, Lindita

Session Classification: Astrophysics, Gravitational Microlensing

Contribution ID: 39

Type: **not specified**

Results from the Standard Model Physics at LHC and some perspectives in particle Physics.

Wednesday 8 October 2014 16:00 (45 minutes)

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

Session Classification: LHC results and future Prospects

Contribution ID: 40

Type: **not specified**

CMS detector and its upgrades

Monday 6 October 2014 11:50 (30 minutes)

Presenter: DOBRZYNSKI, Ludwik (Ecole Polytechnique (FR))

Session Classification: HEP experimental

Contribution ID: 41

Type: **not specified**

Sensor development for environmental science

Tuesday 7 October 2014 15:30 (30 minutes)

Presenter: Prof. SPAGNOLO, Vincenzo (Politecnico di Bari)

Session Classification: Environment

Contribution ID: 42

Type: **not specified**

RADIOLOGICAL IMPACT ASSESSMENT IN THE SOUTHEASTERN MEDITERRANEAN AREA

Tuesday 7 October 2014 15:00 (30 minutes)

Presenter: Prof. VOSNIAKOS, F. (Alexander Technological Educational Institute of Thessaloniki and Balkan Environmental Association Thessaloniki, Greece)

Session Classification: Environment

Contribution ID: 43

Type: **not specified**

Hadron therapy in Greece

Monday 6 October 2014 15:05 (25 minutes)

Presenter: Prof. THEODOROU, Kiki (Associate Professor in Medical Physics at Medical School, University of Thessaly)

Session Classification: Medical Physics

Contribution ID: 44

Type: **not specified**

Higgs boson physics: prospects for Run-2 and 3

Monday 6 October 2014 15:30 (45 minutes)

Presenter: DE FILIPPIS, Nicola (Universita e INFN (IT))

Session Classification: HEP experimental

Contribution ID: 45

Type: **not specified**

Medical Physics in a private Clinic

Wednesday 8 October 2014 11:55 (20 minutes)

Presenter: Dr SONJA, Petkovska (Clinical Center Acibadem Sistina, Radiotherapy department)

Session Classification: Medical Physics

Contribution ID: 46

Type: **not specified**

ADVANCED MRI TECHNIQUES FOR DIFFERENTIAL DIAGNOSIS

Tuesday 7 October 2014 18:45 (25 minutes)

Presenter: Prof. THEODOROU, Kiki (Medical School, University of Thessaly)

Session Classification: Medical Physics

Contribution ID: 47

Type: **not specified**

Medical Physics : Workshop Summary

Wednesday 8 October 2014 12:15 (20 minutes)

Presenter: LEMOIGNE, Yves (IFMP/CERN)

Session Classification: Medical Physics

Contribution ID: 48

Type: **not specified**

Workshop conclusions

Wednesday 8 October 2014 16:45 (15 minutes)

Presenters: Prof. BEKTESHI ADEM; DOBRZYNSKI, Ludwik (Ecole Polytechnique (FR)); Prof. HAFISI, Mimosa

Session Classification: LHC results and future Prospects

Contribution ID: 49

Type: **not specified**

Basic Ultrasound 2

Tuesday 7 October 2014 10:45 (25 minutes)

Presenter: Prof. CACHARD, Christian (Université Lyon 1, France)

Session Classification: Medical Physics

Contribution ID: 50

Type: **not specified**

Heavy metals accumulation by *Ceratophyllum demersum* and *Vallisneria spiralis* in Shkodra lake ecosystem

Tuesday 7 October 2014 16:35 (20 minutes)

Presenter: Prof. BEKTESHI, Adem (Universiteti i Shkodës “Luigj Gurakuqi”, Shkodër, Albania)

Session Classification: Environment

Contribution ID: 51

Type: **not specified**

Greetings from Ministry of Education and Sport, Albania

Monday 6 October 2014 18:40 (10 minutes)

Presenter: Mrs NIKOLLA, Lindita (Minister of Education, Albania)

Session Classification: Excursion to the Shkodra old Castle

Contribution ID: 52

Type: **not specified**

**Signature ceremony of the Agreement between CERN
and the Albanian Minister of Education and
Sport**
**Signature ceremony of the Agreement between
CERN and the Albanian Minister of Education and
Sport**

Monday 6 October 2014 19:00 (10 minutes)

Session Classification: Excursion to the Shkodra old Castle

Contribution ID: 53

Type: **not specified**

Presentation of the Agreement between CERN and Albania

Monday 6 October 2014 18:50 (10 minutes)

Presenter: Dr TSESMELIS, Emmanuel (CERN)

Session Classification: Excursion to the Shkodra old Castle

Contribution ID: 54

Type: **not specified**

Welcome by Embassy of France in Tirana

Monday 6 October 2014 18:30 (10 minutes)

Presenter: Mr GUILBERT, Didier (Premier Conseiller)

Session Classification: Excursion to the Shkodra old Castle