

**HEP 2016 - Conference on
Recent Developments in High
Energy Physics and
Cosmology 12-15 May 2016,
Thessaloniki, Greece**



Report of Contributions

Contribution ID: 35

Type: **not specified**

Opening

Presenter: PETKOU, Anastasios (Unknown)

Contribution ID: **36**

Type: **not specified**

ATLAS @ LHC: status and recent results

Thursday 12 May 2016 10:15 (40 minutes)

Presenter: MCPHERSON, Rob (University of Victoria (CA))

Contribution ID: 37

Type: **not specified**

CMS: recent results and status

Thursday 12 May 2016 10:55 (40 minutes)

Presenter: KOUSOURIS, Konstantinos (NTUA)

Contribution ID: 39

Type: **not specified**

An Extension of the MSSM with Diphoton Resonances

Thursday 12 May 2016 12:00 (30 minutes)

Presenter: LAZARIDIS, George (AUTH)

Contribution ID: 40

Type: **not specified**

Hunting mirror mesons at the LHC

Thursday 12 May 2016 12:30 (30 minutes)

Presenter: TRIANTAPHYLLOU, George (National Technical University of Athens)

Contribution ID: 41

Type: **not specified**

Probing new Physics with Higgs + 2jets

Thursday 12 May 2016 13:00 (25 minutes)

Presenter: PAGANIS, Stathes (National Taiwan University)

Contribution ID: 42

Type: **not specified**

Search for High Mass ZZ/WW Resonances in CDF/Tevatron

Thursday 12 May 2016 13:25 (25 minutes)

Presenter: GIOKARIS, Nikos (National and Kapodistrian University of Athens (GR))

Contribution ID: 43

Type: **not specified**

Exotic QCD states at LHC

Thursday 12 May 2016 15:30 (30 minutes)

Presenter: POMPILI, Alexis (Universita e INFN, Bari (IT))

Contribution ID: 44

Type: **not specified**

Search for new physics in jets+X final states with CMS at 13 TeV

Thursday 12 May 2016 16:00 (30 minutes)

Presenter: SAOULIDOU, Niki (National and Kapodistrian University of Athens (GR))

Contribution ID: 45

Type: **not specified**

The global feature extractor (gFEX) in the ATLAS trigger system for Run 3 of the LHC

Thursday 12 May 2016 16:30 (30 minutes)

Presenter: KOUSKOURA, Vasiliki (Brookhaven National Laboratory (US))

Contribution ID: 46

Type: **not specified**

Search for Narrow Resonances Decaying to Dijets in Proton-Proton Collisions at 13 TeV

Thursday 12 May 2016 17:30 (20 minutes)

Presenter: TZIAFERI, Eirini (National and Kapodistrian University of Athens (GR))

Contribution ID: 47

Type: **not specified**

Coffee

Contribution ID: 48

Type: **not specified**

Particle Flow Jet Identification Criteria with CMS at 13 TeV

Thursday 12 May 2016 17:50 (20 minutes)

Presenter: DIAMANTOPOULOU, Melpomeni (National and Kapodistrian University of Athens (GR))

Contribution ID: 49

Type: **not specified**

Configuring the Micromegas Level-1 Data Driver Card for the ATLAS experiment

Friday 13 May 2016 18:20 (20 minutes)

Presenter: MOUSTAKAS, Dimitris (Piraeus University of Applied Sciences)

Contribution ID: 50

Type: **not specified**

Operation and performance of the Hellenic Open University Cosmic Ray detector array

Friday 13 May 2016 18:40 (20 minutes)

Presenter: MANTHOS, Ioannis (University of the Aegean)

Contribution ID: 51

Type: **not specified**

Pixel Clustering for the Fast Tracker for the ATLAS Upgrade and Applications on Image Processing

Saturday 14 May 2016 17:50 (20 minutes)

Presenter: GKAITATZIS, Stamatios (Aristotle Univ. of Thessaloniki (GR))

Contribution ID: 52

Type: **not specified**

Precision calculations for LHC

Friday 13 May 2016 09:15 (40 minutes)

Presenter: PAPAPOULOS, Konstantinos (Nat. Cent. for Sci. Res. Demokritos (GR))

Contribution ID: 53

Type: **not specified**

MicroPattern Gaseous Detectors

Friday 13 May 2016 10:30 (35 minutes)

Presenter: GERALIS, Theodoros (Nat. Cent. for Sci. Res. Demokritos (GR))

Contribution ID: 54

Type: **not specified**

B-mode polarization anisotropies in the CMB

Saturday 14 May 2016 12:30 (20 minutes)

Presenter: LOUCATOS, Sotiris (IRFU CEA-Saclay and APC)

Contribution ID: 55

Type: **not specified**

Self-Interacting Right-Handed Neutrino (Warm) Dark Matter and Galactic Structure

Friday 13 May 2016 11:30 (30 minutes)

Presenter: MAVROMATOS, Nikos (University of London (GB))

Contribution ID: 56

Type: **not specified**

An Effective Theory for Electroweak Dark Matter

Friday 13 May 2016 12:30 (30 minutes)

Presenter: KARAMITROS, Dimitrios (University of Ioannina)

Contribution ID: 57

Type: **not specified**

Higher dimensional SdS black holes: Greybody factors and power spectra for emission of scalar fields non-minimally coupled to gravity.

Friday 13 May 2016 13:00 (30 minutes)

Presenter: PAPPAS, Thomas

Contribution ID: 58

Type: **not specified**

Search for Dark Matter in the mono-Higgs final state with ATLAS

Friday 13 May 2016 15:00 (30 minutes)

Presenter: NIKOLOPOULOS, Konstantinos (University of Birmingham (GB))

Contribution ID: 59

Type: **not specified**

Lunch

Contribution ID: **60**

Type: **not specified**

The calibration of the electromagnetic calorimeter of ATLAS and the impact of RUN1 results

Friday 13 May 2016 15:30 (30 minutes)

Presenter: ICONOMIDOU-FAYARD, Lydia (Laboratoire de l'Accelérateur Lineaire (FR))

Contribution ID: **61**

Type: **not specified**

First search for magnetic monopoles from the MoEDAL LHC experiment

Friday 13 May 2016 16:00 (30 minutes)

Presenter: Dr MITSOU, Vasiliki (IFIC Valencia)

Contribution ID: 62

Type: **not specified**

Level-1 Data Driver Card of the ATLAS New Small Wheel Upgrade Compatible with the Phase II 1 MHz Readout Scheme

Friday 13 May 2016 16:30 (20 minutes)

Presenter: GKOUNTOUMIS, Panagiotis (National Technical Univ. of Athens (GR))

Contribution ID: 63

Type: **not specified**

Gas System for the ATLAS NSW Micromegas Detectors: Design Aspects and Advanced Validation Methods for their QA/QC

Friday 13 May 2016 16:50 (20 minutes)

Presenter: KOUTELIERIS, George (NATIONAL TECHNICAL UNIVERSITY OF ATHENS (NTUA))

Contribution ID: 64

Type: **not specified**

Jet cross section and strong coupling constant measurements from the CMS experiment at the LHC.

Friday 13 May 2016 17:40 (20 minutes)

Presenter: FLOURIS, Giannis (University of Ioannina (GR))

Contribution ID: 65

Type: **not specified**

Search for Multijet Resonances in the 8-jet Final State at CMS

Friday 13 May 2016 18:00 (20 minutes)

Presenter: PARADAS, Evangelos (University of Ioannina (GR))

Contribution ID: **66**

Type: **not specified**

Search for scalar bottom quark pair production with the ATLAS detector

Thursday 12 May 2016 18:10 (20 minutes)

Presenter: KOURLITIS, Evangelos (University of Sheffield (GB))

Contribution ID: 67

Type: **not specified**

General Assembly

Presenter: EESFYE

Contribution ID: **68**

Type: **not specified**

Aspects of string phenomenology and scale hierarchies

Saturday 14 May 2016 09:30 (50 minutes)

Presenter: ANTONIADIS, Ignatios (CERN)

Contribution ID: 69

Type: **not specified**

Constraining the neutron star equation of state through gravitational wave observations

Saturday 14 May 2016 11:50 (40 minutes)

Presenter: STERGIOULAS, Nikolaos (Aristotle University of Thessaloniki)

Contribution ID: 70

Type: **not specified**

The CMS Trigger Upgrade

Saturday 14 May 2016 11:30 (20 minutes)

Presenter: FOUNTAS, Costas (University of Ioannina (GR))

Contribution ID: 71

Type: **not specified**

Black hole horizons and quantum information

Presenter: PAPANODIMAS, Kyriakos (CERN)

Contribution ID: 72

Type: **not specified**

ZZ production measurements in ATLAS and limits on anomalous triple gauge couplings

Saturday 14 May 2016 13:10 (20 minutes)

Presenter: KORDAS, Kostas (Aristotle Univ. of Thessaloniki (GR))

Contribution ID: 73

Type: **not specified**

Underwater Neutrino Telescopes: Focusing on high energy neutrinos

Saturday 14 May 2016 15:20 (30 minutes)

Presenter: TZAMARIOUDAKI, Aikaterini (Nat. Cent. for Sci. Res. Demokritos (GR))

Contribution ID: 74

Type: **not specified**

Search for a CP-odd Higgs decaying to Zh with the first 13 TeV ATLAS data

Saturday 14 May 2016 12:50 (20 minutes)

Presenter: ARGYROPOULOS, Spyridon (University of Iowa (US))

Contribution ID: 75

Type: **not specified**

A whole tower of massive Standard Model particles

Saturday 14 May 2016 15:50 (30 minutes)

Presenter: ANASTASOPOULOS, Pascal (Unknown)

Contribution ID: 76

Type: **not specified**

TBA

Presenter: TZIVELOGLOU, Pantels (VUB)

Contribution ID: 77

Type: **not specified**

The anomalous transport of axial charge in QGP, induced by topological fluctuations

Presenter: IATRAKIS, Ioannis (Utrecht University)

Contribution ID: 78

Type: **not specified**

Introduction to non-Abelian Tensor Gauge Field Theory

Saturday 14 May 2016 10:20 (35 minutes)

Presenter: KONITOPOULOS, Spyros (NCSR Demokritos)

Contribution ID: 79

Type: **not specified**

An alternative approach for Standard Model background estimation in the dijet resonance search with CMS at 13 TeV.

Thursday 12 May 2016 18:30 (20 minutes)

Presenter: KARASAVVAS, Dimitrios (National and Kapodistrian University of Athens (GR))

Contribution ID: **80**

Type: **not specified**

Searching for Dark Energy and Dark Matter with CAST experiment

Saturday 14 May 2016 16:50 (20 minutes)

Presenter: GARDIKIOTIS, Antonios (University of Patras (GR))

Contribution ID: **81**

Type: **not specified**

Triggering optimization studies for the GRBNeT autonomous detection unit

Saturday 14 May 2016 17:10 (20 minutes)

Presenter: SINOPOULOU, Anna

Contribution ID: **82**

Type: **not specified**

The Fast Tracker (FTK) upgrade for the ATLAS trigger system: concept, status and its control system

Saturday 14 May 2016 17:30 (20 minutes)

Presenter: MAZNAS, Ioannis (Aristotle Univ. of Thessaloniki (GR))

Contribution ID: **83**

Type: **not specified**

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Contribution ID: **86**

Type: **not specified**

Overview of experimental heavy-ion results at LHC

Thursday 12 May 2016 15:00 (30 minutes)

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

Contribution ID: 87

Type: **not specified**

750 GeV diphoton excess from E_6 in F-theory GUTs

Thursday 12 May 2016 18:50 (20 minutes)

Presenter: KAROZAS, Athanasios (University of Ioannina)

Contribution ID: **88**

Type: **not specified**

The new roadmap for the European Astroparticle Physics

Friday 13 May 2016 09:55 (35 minutes)

Presenter: KATSANEVAS - LOUCATOS

Contribution ID: **89**

Type: **not specified**

WZ boson pair production at 13 TeV with the ATLAS detector

Saturday 14 May 2016 15:00 (20 minutes)

Presenter: ILLADIS, Dimitrios (Aristotle Univ. of Thessaloniki (GR))

Contribution ID: **90**

Type: **not specified**

Hyperbolic Anosov-Kolmogorov C-systems and MIXMAX generator for Monte-Carlo Simulations at CERN in ROOT and GEANT4

Friday 13 May 2016 12:00 (30 minutes)

Presenter: SAVVIDIS, Georgios (Nat. Cent. for Sci. Res. Demokritos (GR))

Contribution ID: **91**

Type: **not specified**

TBA

Presenter: SAMPSONIDOU, Despoina (Aristotle Univ. of Thessaloniki (GR))