

## **Session Program**

**28 July 2014 to 6 August 2014**



## **3rd International Conference on New Frontiers in Physics**

### ***Parallel 1***

# Friday 1 August

16:40

## Parallel 1

**Session** | **Location:** Kolymbari, Crete, Greece | **Convener:** Abdelhak Djouadi

16:40–17:00 **Quantum Steering in the Gaussian World**

**Speaker**  
Ioannis Kogias

17:00–17:35 **Electroweak Measurements from ATLAS**

**Speaker**  
Nectarios Benekos

17:35–17:55 **Prospects of Higgs and SM measurements at the HL-LHC**

**Speaker**  
Alexander Savin

17:55–18:15 **The Physics Case for the MoEDAL Experiment at LHC**

**Speaker**  
Dr Vasiliki Mitsou

18:45

## Saturday 2 August

15:50

### Parallel 1

**Session** | **Location:** Kolymbari, Crete, Greece | **Convener:** Prof. Nikos Mavromatos

15:50–16:10

#### **The Dark Energy Survey (DES): A New Tool for Cosmology**

**Speaker**

Gregory Tarle

16:10–16:30

#### **The CALorimetric Electron Telescope (CALET) for high-energy astroparticle physics on the International Space Station**

**Speaker**

Dr Sergio Bruno Ricciarini

16:30–16:50

#### **Neutrino Physics in the IceCube Subdetector, DeepCore**

**Speaker**

Melanie Day

16:50–17:10

#### **Study of the diffuse emissions with the H.E.S.S. experiment**

**Speaker**

Tania Garrigoux

17:10

## Tuesday 5 August

16:50

### Parallel 1

**Session** | **Location:** Kolymbari, Crete, Greece | **Convener:** Rainer Mankel

16:50–17:10

#### The Higgs portal and cosmology

##### Speaker

Oleg Lebedev

17:10–17:30

#### LHC signals of the $SO(5) \times U(1)$ gauge-Higgs unification

##### Speaker

Takuya Shimotani

17:30–17:50

#### Composite Higgs boson from vector-like Technicolor

##### Speaker

Roman Pasechnik

17:50–18:10

#### Realization of the lepton flavor structure from point interactions

##### Speaker

Yukihiro Fujimoto

18:10–18:30

#### Zero time tunneling, virtual particles

##### Speaker

Guenter NIMTZ

18:30–18:50

#### An Experiment for the Potential Direct Detection of Dark Energy

##### Speaker

Jon Coleman

19:15

## Wednesday 6 August

11:20

### Parallel 1

**Session** | **Convener:** Eric Van Herwijnen

11:20–11:40

**Measurements of the jet and vector boson in association with jets production, extraction of  $\alpha_s$  and PDF constrains at CMS****Speaker**

Giulia D'Imperio

11:40–12:00

**Forward physics at LHC for cosmic ray studies with the LHCf experiment****Speaker**

Lorenzo Bonechi

12:00–12:25

**ATLAS detector performance****Speaker**

Davide Caforio

12:25–12:50

**Summary of results on exotic searches from ATLAS****Speaker**

Jason Tam

12:50–13:10

**Bps multicenter black holes: mass formulas in N2 supergravity****Speaker**

Emilio Torrente Lujan

13:20