

# Corfu Summer Institute on Elementary Particle Physics and Gravity 2016

**URL Address:**  
**<http://physics.ntua.gr/corfu2016>**

# Summer School and Workshop on the Standard Model and Beyond

## 31 August - 12 September 2016

Topics: Electroweak Theory, QCD, Lattice QCD, ATLAS - Physics Results, CMS - Physics Results, LHCb - Physics Results, Higgs Physics, Neutrinos, Flavour Physics, Effective Field Theories, SUSY/SUGRA, Extra Dimensions, String Theory and Gauge/Gravity Duality, Introduction to Noncommutativity, LHC vs Physics Beyond the Standard Model, Beyond the Standard Model, Introduction of SUSY and the MSSM, Astroparticle Physics, Dark Matter searches, Cosmology and Astroparticle Physics , Future Accelerators at the High Energy Frontier, CLIC, ILC, FCC + TLEP, Codes/Tools, Gravitational Waves.

**Organizing Committee:** *F. del Aguila, J. A. Aguilar Saavedra, I. Antoniadis, R. Barbieri, M. B. Gavela, N. Glover, W. Hollik, J. Kalinowski, G. Koutsoumbas, C. Papadopoulos, R. Pittau, M.N. Rebelo, A. Ringwald, G. Rodrigo, S. Sarkar, E. Tsesmelis, G. Zanderighi*

# Recent Developments in Strings and Gravity

## 12 - 17 September 2016

Topics: Supersymmetric Field Theories,  
Supergravity, Superstrings, Current Applications of AdS/CFT Correspondence,  
Integrability in Gauge and String Theories, Higher Spins, Generalized Geometry,  
Black Holes, Entanglement Entropy, Quantum Information

Organizing Committee: C. Bachas, I. Bakas, G. Dvali, A. Kehagias,  
U. Lindström, D. Lüst, G. Zoupanos

# ATLAS Hadronic Calibration Workshop 2016

## 18 - 23 September 2016

Topics: Measurement of jets energy scale and resolution,  
Boosted jets sub-structure in high  $pT$  regimes,  
Jet pile-up mitigation,  
Optimisation of reconstruction of missing transverse energy,  
Jet performance in High-Luminosity LHC (prospects)

**Organizing Committee:** C. Issever, D. Miller, D. Varouchas

**Outreach Activities** A. Arageorgis, I. Dalianis, G. Koutsoumbas, N. Tracas

**Local Organizing Committee:** K. N. Anagnostopoulos, P. Anastasopoulos, A. Chatzistavrakidis, D. Giataganas, F. Farakos, I. Florakis, A. Kehagias, S. Maltezos, D. Varouchas, G. Zoupanos.