

Workshop programme

International Workshop on recent LHC results and related topics.

8-9 October 2012, Tirana, Albania

Topics

The LHC project
Higgs search
Lattice QCD
Development on Astrophysics
Experimental techniques in Physics

Organizing committee

C. Alexandrou (Cyprus)
A. Borici (Tirana) Co-chair
B. Cico (Tirana)
D. Denegri (CERN)
L. Dobrzynski (Paris) Co-chair
M. Hafizi (Tirana)
G. Iaselli (Bari)
Th. Karaja (Tirana)
M. Koni (Tirana)
R. Mochkovitch (Paris)
V. Tahiri (Vlora)



The workshop will take place in the

*University of Tirana's Senate conference hall
Mother Theresa square
Tirana, Albania*

Day 1
Monday, 8 October

Registration

9:30 - 10:00

Official welcome speeches and Greetings

10:00 - 11:00

Chair : Prof. Mynyr Koni

- *Tirana' University official*
- *Representative of the French Embassy*
- *Representative of the Italian Embassy*
- ***Prospects in High Energy Physics*** D, Denegri CERN/IRFU, Saclay, France

Coffee Break 11:00 - 11:30

Session 1: Overview of the Astrophysics and Lattice field worlds.

11:30 - 13:30

Chair: Prof. Artan Boriçi

"Lattice computations for high energy physics",

K. Jansen, Desy Zeuthen

Understanding the physics of gamma-ray bursts: where do we stand ?,

Robert Mochkovitch, Institut d'Astrophysique, Paris, France

Searching for dark baryons in galaxies,

Francesco De Paolis, Universita di Lecce, Italy

Lunch Break 13:30 - 14:30

Session 2: Lattice QCD.

14:30 - 15:45

Chair: Prof. K. Jansen

"Hadron Structure and Strong Interaction constants from Lattice QCD",

Antonios Tsapalis, Athens

Quark-antiquark potential from fermiQCD,

Xhako, Tirana

Hadron spectrum from fermiQCD,

Zeqirllari, Tirana

Coffee Break 15:45 - 16:15

Session 3: Development on Astrophysics

16:15 - 17:45

Chair: Prof. Mimoza Hafizi

Free-floating planets, microlensing method and Euclide mission,

Lindita Hamolli, Tirana University, Albania

Spectrum-energy relations of long GRBs,

Sonila Boçi, Tirana University, Albania

Albania and Astrophysics,

Mimoza Hafizi, Tirana University, Albania

The origin of the prompt emission: internal shocks or something else?

Robert Mochkovitch, Institut d'Astrophysique, Paris, France

Session 4: Poster session

17:45 - 19:30

Chair: Prof. Valbona Tahiri

Day 2
Tuesday, 9 October

Session 1: *The LHC project*

9:00 - 11:00

Chair: Prof. Betim Cico

LHC : description, performances and prospects,

T. Kurtyka, CERN

LHC detectors,

L. Dobrzynski, Ecole polytechnique, Palaiseau, France

Coffee Break 11:00 - 11:30

Session 2: LHC. Contribution to Physics

11:30 - 13:00

Chair : Prof. G. Iaselli

Physics of LHC,

D, Denegri CERN/IRFU, Saclay, France

Search for Higgs at the LHC,

N. De Filippis, Bari, Italy

Lunch break 13:00 - 14:30

Session 3 : *Experimental techniques in Physics*

14:30 - 17:00

Chair: Prof. D. Denegri

Basic detector instrumentation for high energy physics".

G. Iaselli,, Bari, Italy

Basis electronic concepts for particle physics and beyond,

Flavio, Bari, Italy

FPGA techniques in Albania et it's usage in Physics,

Betim Cico, Polytechnic University, Tirana

Computing developments in Albania, at it's application in Physics,

Neki Frasher, Polytechnic University, Tirana

Coffee Break 17:00 - 17:30

Session 4: *CERN, POLIBA, France and Albania perspectives,*

17:30 - 19:00

Chair: Prof. Theodor Karaja

Computing at the LHC, L. Dobrzynski, Ecole polytechnique, Palaiseau, France

Cern Perspectives, T. Kurtyka CERN

Present status of physics in Albania and perspectives, A. Boriçi

Panel discussion

End of workshop