

SCIENTIFIC ACTIVITY

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## Taller de Altas Energías 2013

2013, Sep 15 -- Sep 28

Organizers:

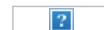
M. Martinez (ICREA/IFAE Barcelona)  
S. Peñaranda (U. de Zaragoza)+34 974 551 475  
info@benasque.org

CONFERENCE DATA

Application deadline for  
this conference is July  
15.[APPLICATION FORM](#)[CHECK YOUR  
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OUR BUILDING



### Monday, September 16

08:30h Registration

09:30h Welcome / introduction

10:00h **AstroParticles (TH) I**

Emma de Oña-Wilhelmi - IEEC-CSIC

11:30h **AstroParticles (TH) II**

Emma de Oña-Wilhelmi - IEEC-CSIC

12:30h **AstroParticles (Exp) I**

Javier Rico - IFAE

15:00h **AstroParticles (CTA Project)**

Javier Rico - IFAE

16:30h Tutorial Astroparticles

**Student Seminars (18:00 - 19:00)**18:00h **Baryon number violation in tau decays**

Javier Fuentes

18:15h **Radiative Decays in LHCb**

Carla Marin

18:30h **Supersymmetric Custodial Triplets**

Mateo Garcia

18:45h **Search for Scalar Top Quarks decaying into charm-quarks + neutralinos**

Roger Caminal

### Tuesday, September 17

09:00h **QFT I**

J.I. Illana - U. Granada

10:00h **QFT II**

J.I. Illana - U. Granada

11:00h **Coffee break**11:30h **QFT III**

J.I. Illana - U. Granada

12:30h **Accelerator Physics**

C. Biscari - ALBA

13:30h **Lunch**15:00h **Tutorial QFT/EWK**16:00h **Coffee break**16:30h **Tutorial QFT/EWK**19:00h **End of session**

### Wednesday, September 18

09:00h **QCD & Jets & MC Modeling (TH)**

M. Cacciari - LPTHE Jussieu

10:00h **QCD & Jets & MC Modeling (TH)**

M. Cacciari - LPTHE Jussieu

11:00h **Coffee break**

11:30h **QCD & Jets & MC Modeling (TH)**

M. Cacciari - LPTHE Jussieu

12:30h **The LHC Experiments**

T. Rodrigo - IFCA

13:30h **Lunch**

15:00h **Jet Physics Results**

J. Terrón - UAM

16:00h **Jet Physics Results**

J. Terrón - UAM

17:00h **Coffee break**

17:30h **Tutorial QCD-Jets**

19:00h **End of session**

## Thursday, September 19

09:00h **Heavy Ions (TH)**

J. Albacete - U. Granada

10:00h **Heavy Ions (Exp)**

J. Albacete - U. Granada

11:00h **Coffee break**

11:30h **Statistics I**

G. Cowan - London U.

12:30h **Statistics II**

G. Cowan - London U.

13:30h **Lunch**

15:00h **Statistics III**

G. Cowan - London U.

16:00h **Coffee break**

16:30h **Tutorial - Statistics**

19:00h **End of session**

## Friday, September 20

09:00h **Flavour Phy (TH) I**

T. Pich - IFIC

10:00h **Flavour Phy (TH) II**

T. Pich - IFIC

11:00h **Cofee break**

11:30h **Flavour Phy (Exp) I**

B. Adeva - U. Santiago

12:30h **Flavour Phy (Exp) II**

B. Adeva - U. Santiago

13:30h **Lunch**

15:00h **Neutrino Physics**

F. Sánchez - IFAE

16:00h **Neutrino Physics**

F. Sánchez - IFAE

17:00h **Cofee break**

17:30h **Tutorial Flavour Physics / Neutrinos**

19:00h **End of Session**

## Saturday, September 21

09:00h **Higgs TH**

A. Casas - IFT/UAM-CSIC

10:00h **Higgs TH including BSM Higgs**

A. Casas - IFT/UAM-CSIC

11:00h **Coffee break**

11:30h **Higgs Results I**

M. Kado - LAL Orsay

12:30h **Higgs Results II**

M. Kado - LAL Orsay

13:30h **Lunch**  
 15:00h **Tutorial Higgs**  
 17:00h **End of session**

## Monday, September 23

09:00h **TOP PHYS (TH)**  
 A. Saavedra - U. Granada  
 10:00h **TOP PHYS including BSM TOP (TH)**  
 A. Saavedra - U. Granada  
 11:00h **Coffee break**  
 11:30h **Top/EWK Results**  
 M. Vos - IFIC  
 12:30h **Top/EWK Results**  
 M. Vos - IFIC  
 13:30h **Lunch**  
 15:00h **TOP/ EWK Results**  
 M. Vos - IFIC  
 16:00h **Coffee break**  
 16:30h **Tutorial Top Physics**

### Student Seminars (18:00 - 19:00)

18:00h **ATLAS Jet Performance Under HL-LHC Conditions**  
 Mirko Casolino  
 18:15h **Hadronic tau decays tau  $\rightarrow$  Keta ( $\eta'$ ) neutrino**  
 Sergi Gonzalez-Solis  
 18:30h **WIMP dark matter as radiative neutrino mass Messenger**  
 Quim Palacio  
 18:45h **Effect of the implementation of extra intermediate strips in the spacial resolution of a silicon strip detector**  
 Javier Jimenez  
 19:00h **End of session**

## Tuesday, September 24

09:00h **Advanced QFT**  
 M. A. Vázquez-Mozo - U. Salamanca  
 10:00h **Advanced QFT**  
 M. A. Vázquez-Mozo - U. Salamanca  
 11:00h **Coffee break**  
 11:30h **Introduction to Lattice QCD**  
 C. Pena - UAM  
 12:30h **Introduction to Lattice QCD**  
 C. Pena - UAM  
 13:30h **Lunch**  
 15:00h **LC Physics**  
 J. Fuster - IFIC  
 16:00h **Coffee break**  
 16:30h **Tutorial QFT**

18:00h **Student Seminars**

19:00h **End of session**

## Wednesday, September 25

09:00h **BSM SUSY (TH) I**  
 M. Kraemer - RWTH Aachen University  
 10:00h **BSM SUSY (TH) II**  
 M. Kraemer - RWTH Aachen University  
 11:00h **Coffee break**  
 11:30h **SUSY Results**  
 M. D'Onofrio - Liverpool

- 12:30h **SUSY Results**  
M. D'Onofrio - Liverpool
- 13:30h **Lunch**
- 15:00h **Dark Matter Searches**  
I. Irastorza - U. Zaragoza
- 16:00h **Coffee break**
- 16:30h **Introduction to silicon devices in HEP experiments & laboratory tests**  
S. Martí - IFIC
- 19:00h **End of session**

### Thursday, September 26

- 09:00h **BSM (non - SUSY) I**  
M. Quirós - ICREA/IFAE
- 10:00h **BSM (non - SUSY) II**  
M. Quirós - ICREA/IFAE
- 11:00h **Coffee break**
- 11:30h **BSM (non - SUSY) Results**  
S. Worm - STFC Rutherford
- 12:30h **BSM (non - SUSY) Results**  
S. Worm - STFC Rutherford
- 13:30h **Lunch**
- 15:00h **Detector Technologies applied to Life Science**  
M. Chmeissani - IFAE
- 16:00h **Coffee break**
- 16:30h **Pixel detectors-Demonstrators**  
Albert Sancho (xray-imatek)
- 19:00h **End of session**

### Friday, September 27

- 09:00h **Cosmology (TH) I**  
D. Figueroa - U. Geneva
- 10:00h **Cosmology (TH) II**  
D. Figueroa - U. Geneva
- 11:00h **Coffee break**
- 11:30h **Observational Cosmology**  
E. Fernández - IFAE/UAB
- 12:30h **Cosmology (Exp)**  
E. Fernández - IFAE/UAB
- 13:30h **Lunch**

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Designed by:

Visits: 837869

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