

# 6<sup>TH</sup> CERN - LATIN-AMERICAN SCHOOL OF HIGH-ENERGY PHYSICS

Natal, Rio Grande do Norte, Brazil | 23 March - 5 April 2011

**Deadline for Applications: 12 November 2010**  
<http://cern.ch/PhysicsSchool/CLASHEP>

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## Scientific Programme

*Field Theory and the Electro-Weak Standard Model* – L. Alvarez-Gaume, CERN  
*QCD* – G. Zanderighi, Oxford, UK  
*Flavour Physics and CP violation* – A. Pich, IFIC, Valencia, Spain  
*Neutrino Physics* – I. Gil-Botella, CIEMAT, Spain  
*Beyond the Standard Model* – G. Dvali, CERN, Munich, Germany, and NYU, USA  
*Heavy-Ion Physics* – J. Takahashi, UNICAMP, Brazil  
*LHC and Tevatron Results* – J. Alcaraz, CIEMAT, Spain  
*Instrumentation (including Trigger/DAQ)* – W. Riegler, CERN

## Practical Statistics for Particle Physicists –

Glen Cowan, RHUL, UK  
*Cosmology* – L. Verde, ICREA & ICC, Barcelona, Spain  
*Ultra-High Energy Cosmic Rays* – L. Anchordoqui, Wisconsin-Milwaukee, USA  
*Particle Astrophysics (including dark matter)* – N. Weiner, NYU, USA

## Discussion Leaders

E. S. Fraga, UFRJ, Brazil  
A. Gago-Medina, PUC, Peru  
J. Magnin, CBPF, Brazil  
P. Mercadante, UFABC, Brazil  
J. Swain, Northeastern U., USA

## International Organising Committee

M. Aguilar, CIEMAT, Spain  
L. Alvarez-Gaume, CERN  
F. Barrio, CIEMAT, Spain  
M. T. Dova, UNLP, Argentina  
J. Ellis, CERN  
N. Ellis, Schools Director, CERN  
C. Grojean, CERN  
H. Haller, Schools Administrator, CERN  
R. C. Shellard, CBPF, Brazil  
M. Spiropulu, CERN  
A. Zepeda, Cinvestav, Mexico

## Local Organising Committee

G. A. Alves, Lafex/CBPF, Brazil  
M. A. Ferreira Dias, ECT-UFRN, Brazil  
M. Gandelman, School Director, UFRJ, Brazil  
C. Göbel, PUC-Rio, Brazil  
V. de Souza, IFSC-USP, Brazil  
A. Sznajder, UERJ, Brazil  
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