

São Paulo International Schools on Theoretical Physics



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School on Particle Physics in the LHC Era

April 1 - 12, 2013**Campus of IFT - UNESP - São Paulo, Brazil**

With the recent results from the 2011-2012 LHC runs, including the discovery of a new Higgs-like particle, it is timely to review what was learned and what can be learned in the near future about the High Energy Frontier. The purposes of the School are to provide students with an in-depth understanding of the Standard Model, to familiarize them with aspects of collider physics, to explore what may lay beyond the Standard Model, and to give them the necessary tools to test different models with the newest data.

Lecturers

Chris Quigg (Fermilab)
Standard Model**Joseph Lykken (Fermilab)**
Collider Physics**Zackaria Chacko (University of Maryland) and Marcela Carena (Fermilab)**
Beyond SM @ LHC - Weakly coupled extensions**Eduardo Pontón (ICTP-SAIFR and IFT-UNESP)**
Beyond SM @ LHC - Strongly coupled extensions**Alexander Belyaev (University of Southampton and Rutherford Lab)**
Numerical Tools for Physics @ LHC**Daniel de Florian (University of Buenos Aires)**
QCD @ LHC

Organizers:

**Marcela Carena (Fermilab), Giacomo Cacciapaglia (Lyon), Aldo Deandrea (Lyon),
Rogerio Rosenfeld (IFT-UNESP)****The online application form and more information can be found at:****www.ictp-saifr.org/LHC**The application deadline is **February 8, 2013.**

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