The "Laboratoire de Physique Théorique d'Oran" (LPTO) is organizing its second school, to be held from 02 to 10 May, 2009 in Oran, Algeria.

The school will be organized as follows:
- The first three days (02-04 May, University of Oran Campus) will be devoted to introductory lectures on the standard model, supersymmetry, general relativity and gravitation for graduate students and young researchers.
- The second part (05-10 May, Les Andalouses) will be an advanced school on the latest theoretical and experimental advances in particle physics and cosmology.

In addition to the lectures, there will be poster sessions where participants can present their work.

**Main Topics**

- Physics of Symmetry Breaking
- LHC and Hadronic Collisions
- Heavy Flavour Physics
- The Higgs at LHC
- Introduction to Cosmology
- Matter in the Early Universe
- Cold Dark Matter

**Speakers and Lecturers**

- Damir Becirevic (LPT Orsay)
- Chaïk Bencheikh (USTHB, Alger)
- Fares Djama (CPPM, Marseille)
- Abdelhak Djouadi (LPT Orsay)
- *John Ellis (CERN)
- Rohini Godbole (IIS, Bangalore)
- Christophe Grojean (IPhT/Saclay & CERN)
- Salah Nasri (UAEU University)
- Luis Oliver (LPT Orsay)
- Laurence Perotto (LPSC Grenoble)
- Tarek Saab (University of Florida)
- Richard Taillet (LAPTH Annecy)
- Giulia Zanderighi (Oxford University)

*to be confirmed*

**Local Organizing committee**

- F. Iddir (Chairwoman, Université d’Oran)
- S. Balaska (Université d’Oran)
- N. Djiehloul (Université d’Oran)
- M. Lagraa (Université d’Oran)
- N. Touhami (Université d’Oran)

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