



Universidade Federal do ABC

4th School on Cosmic Rays and Astrophysics

August 25 - September 4, 2010, Santo André, Brazil

FIRST CIRCULAR

The "4th School on Cosmic Rays and Astrophysics" is the 4th edition of an event which aims to promote physics of Cosmic Rays and Astrophysics in the Latin American community. The school will be held at the Federal University of ABC (UFABC) in Brazil, between August 25th and September 4th, 2010. The official website is available at <http://cosmiraysschool.ufabc.edu.br>.

The school will take place at the new buildings of UFABC, whose main campus is located in the city of Santo André. Santo André is located in the metropolitan region of São Paulo, a very important industrial pole in Brazil. It is about 20 km from São Paulo center, 40 km from the international airport and 100 km from the beach.

The school program will consist of plenary sessions, with the first week focused on introductory lectures and the second week on advanced talks. The sessions will cover the following subjects:

1. Origin of Cosmic Rays;
2. Solar Modulation;
3. Anisotropy;
4. Acceleration & Transport;
5. Neutrino Physics & Astrophysics;
6. EAS Simulations;
7. Magnetic Fields in Universe;
8. Composition and Spectrum;
9. Cosmic Rays above the Knee;
10. HE Interactions;
11. EAS Detection from Space;
12. Radio Detection of EAS;
13. Experiments: Auger, HESS, Cascade.

Invited speakers: A. Wolfendale (Univ. Durham, UK), P. Lipari (Univ. Roma I, Italy), A. Haungs (Univ. Karlsruhe, Germany), J. W. Mitchell (Nasa, Maryland, USA), P. Blasi (INAF, Italy), J. R. Hörandel (Univ. Nijmegen, The Netherlands), A. Santangelo (Tuebingen, Germany), J. Knapp (Univ. Leeds, UK), P. Galeotti (Univ. Torino, Italy), A. Castellina (INAF, Torino, Italy), C. Morello (INAF, Torino, Italy), S. Mollerach (Univ. Bariloche, Argentina), G. Medina-Tanco (UNAM, Mexico), J. Valdes (UNAM, Mexico), A. Velarde (Univ. de San Andres, Bolivia), V. Ciancio, A. Zanini, X. Bertou (Univ. Bariloche, Argentina), E. Shibuya (UNICAMP, Brazil), C. O. Escobar (UNICAMP, Brazil).

Registration: The registration will be open (from April 5th, 2010) at School website <http://cosmiraysschool.ufabc.edu.br>. Registration fee is R\$100 (for Brazilians), US\$ 70 (for Latin Americans) and € 50 (otherwise). The fee includes the school package, coffee breaks and welcome reception.

Financial support: The organization may provide some support, especially to students from Latin America, however limited support is foreseen and preferentially for the school fee and/or for the accommodation. Deadline for asking for financial support is May 31st 2010 and the decisions will be made in June 2010.

Local Committee: M. A. Leigui de Oliveira (UFABC) – co-chairman, P. Chimenti (UFABC), G. Lugones (UFABC), V. de Souza (USP), C. O. Escobar (UNICAMP), J. T. de Mello Neto (UFRJ), C. J. Todero Peixoto (UFABC).

International Committee: O. Saavedra (Univ. Torino, Italy) – co-chairman, J. Bellido (Univ. of Adelaide, Australia), A. Zepeda (Cinvestav, Mexico), G. Medina-Tanco (UNAM, México), A. Velarde (Univ. de San Andres, Bolivia).

International Advisory Committee: A. Watson (Univ. Leeds, UK), C. O. Escobar (UNICAMP, Brazil), T. Gaisser (Univ. Bartol, USA), A. Wolfendale (Univ. Durham, UK).

Contact

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