

International School of Cosmic-Ray Astrophysics
<<M.M. Shapiro>>

18th Course: A new Era in Particle Astrophysics"
New Instruments, New Results and New Understanding

Directors: J.P. Wefel, T. Stanev, J. Hörandel
Secretary: Arthur Smith

Sunday 8th July 2012

Note: below "Break" denotes break for coffee and discussion and posters

Chair: Sparvoli

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| 08:30—09:30 | Particle Astrophysics: Closing in on the Sources of Cosmic Rays Part 2 | Halzen |
| 09:30—10:30 | Latest results from the ATLAS experiment at the LHC: part 1 | Cooper-Sarkar |
| 10:30—11:00 | Break | |
| 11:00—12:00 | Propagation of UHECR in intergalactic space and production of secondary signals. | Stanev |
| 12:00---13:00 | Discovering Dark Matter | Sarkar |
| 13:00---13:15 | Search for a diffuse flux of extragalactic neutrinos with IceCube | Schukraft |
| 13:15---13:30 | Point Source Searches with the IceCube Neutrino Detector | Feintzeig |

Chair: Dingus

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| 15:00—15:15 | Golden Ages in Astrophysics | Smith |
| 15:15—16:15 | A century of research on cosmic rays | Hörandel |
| 16:15—16:45 | Cosmic Rays and High Energy Physics | Wefel |
| 16:45---17:05 | Homi Bhabha and Cosmic Ray Research in India | Sarkar |
| 17:05—17:30 | Break | |
| 17:30---18:00 | The Cosmic Ray work of Domenico Pacini | Sparvoli |
| 18:00---18:15 | Cosmic Rays and Contemporary Particle Physics | Stanev |
| 18:15---18:45 | The International School of Cosmic ray Astrophysics | Wefel |

All lectures take place in the Dirac Lecture Hall, San Domenico