

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

Thursday 5th July 2012

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

Chair: J. Hörandel

08:30—08:45	Welcome & Purpose of the Course	Stanev/Wefel
08:45—09:45	Particle Astrophysics: Closing in on the source of Cosmic Rays—part 1	Halzen
09:45—10:45	UHECR detectors and detection techniques: Extensive Air Showers	Letessier-Selvon
10:45—11:15	Break	
11:15—12:15	Gamma-ray astronomy I – past and present	Stegmann
12:15---13:15	Balloon and Satellite measurements of Cosmic Rays below the "knee"	Wefel
13:15---13:30	Pi of the Sky Telescope in Chile and Spain – so far away and so close	Siudek
13:30---13:45	Design of a 2-phase Time Projection Chamber for Xenon Purity Measurements	Schulz

Chair: Wefel

15:00—16:00	Neutrion Astronomy: Opportunities and Challenges	Schüssler
16:00—17:00	Particle Astrophysics from low to high energy with PAMELA Part 1.	Sparvoli
17:00—17:30	Break	
17:30—18:30	Milagro's View of the TeV Sky	Dingus
18:30	Visit Dirac/Chalonge Museums	

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