

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

Chair: Hörandel

Monday 9th July 2012

08:30—09:30	Terrestrial Gamma Flashes	Cherry
09:30—10:30	HAWC: A New Observatory for the TeV Sky	Dingus
10:30—11:00	Break	
11:00—12:00	Dark Matter	Sarkar
12:00---13:00	Latest results from the ATLAS experiment at the LHC: part 2	Cooper-Sarkar
13:00---13:15	All-particle Cosmic Ray Energy Spectrum with IceTop	Ruzybayev
13:15---13:30	Anisotropy of TeV and PeV cosmic rays with IceCube and IceTop	Santander

Chair: Schüssler

15:00—15:15	Data Analysis with the Surface Detector of the Pierre Auger Observatory	Mora
15:15—15:30	Unprecedented multi-instrument studies of the BL Lac object Mrk501	Doert
15:30—15:45	Newly-born Pulsars as UHECR sources	Fang
15:45—16:00	Energy Losses of UHECRs due to the Expansion of the Universe	Batista
16:00---16:15	Gamma-ray astronomy and AGN physics with the VERITAS experiment	Welsing
16:15---16:30	A New Concept for the Detection of GZK Neutrinos	Tatar
16:30---16:45	Cosmic Ray diffusion in the inhomogeneous Milky Way:Implications to the secondary to primary ratios	Benyamin
16:45---17:15	Break	
17:15---17:45	Dark Matter (Continued)	Sarkar
17:45---	Discussion and Closing remarks	Wefel, Stanev, Horandel, Smith

20:30	School Dinner (Hotel Elimo)
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