

International School of Cosmic-Ray Astrophysics

<<M.M. Shapiro>>

19th Course: “Exploring the High Energy Universe”

Directors: J.P. Wefel, T. Stanev, J. Hörandel

Secretary: Arthur Smith

Wednesday 9 July 2014

Note: below “Break” denotes break for coffee and discussion and posters

Chair: Peter Biermann

09:00—10:00	Propagation of High Energy Cosmic Rays in the Galaxy and in Extragalactic Space	Stanev
10:00—10:15	Evidence for Stochastic Acceleration in Supernova Remnants	Wilhelm
10:15—10:30	The TUNKA Radio Extension: Status and Results of the First Year of Operation	Kostunin
10:30—11:00	Coffee/Poster Viewing	
11:00—12:00	A New Window to the Universe: Interpretation of the Results	Tjus
12:00—12:15	Searches for Point Sources and Small-Scale Anisotropies in IceCube	Bernard
12:15—12:30	Measurements of the Cosmic Ray Energy Spectrum and Composition with the IceCube Neutrino Observatory	De Ridder
12:30—12:45	Cosmic Ray Anisotropy Studies with IceCube	McNally
12:45—13:00	A Multi-Year Search for a Diffuse Astrophysical Muon Neutrino Flux with IceCube	Schoenen

Chair: Eun-Suk Seo

15:00—16:00	Modeling Airshowers: Hadronic Interaction Models and Insights from LHC Data	Engel
16:00—16:15	Investigation of the Radio Emission of Indirect Extensive Air Showers	Kambeitz
16:15—16:30	Charm Production in Sibyll	Riehn
16:30—16:45	Investigation of the Lateral Distribution of the Charged Particles in Cascade-Grande Experiment Based on GEANT4 Simulations	Gherghel
17:00—17:30	Break/Poster Viewing	
17:30—17:45	GEANT4 Simulations of Radio Signals from Particle Showers for the SLAC T-SIG Experiments Using the ‘End-Point Formalism’	Zilles
17:45—18:00	GEANT4 Response Calculations and Light Collection Studies for Gamma-Ray Burst Polarimeter: POLAR	Zwolinska
18:00—18:15	Atlas of High Resolution X-Ray Spectra: A Diagnostic Tool of the Hot Universe	Bensch
18:15—18:30	X-Ray and Gamma-Ray Polarization from Leptonic and Hadronic Jet Models for AGN	Zhang
18:30—18:45	Variability of VHE Gamma-Ray Sources	Stefanik