

SUSY07 Parallel Sessions: Cosmology and Astrophysics - Lehmann-Auditorium

Thursday, 26.7.2007		
<i>Chairperson: Dan Hooper</i>		
14:00-14:20	Indirect search for Dark Matter with the ANTARES neutrino telescope	Gordon Lim (NIKHEF)
14:20-14:40	Where, when and how SUSY is showering in the sky	Daniele Fargion (Rome, INFN)
14:40-15:00	Neutrinos from WIMP annihilations	Mattias Blennow (Royal Inst. of Technology)
15:00-15:20	Reflection of Microwave from Energy Deposit by X-ray Irradiation in Rock Salt: Implying Salt Ultra High Energy Neutrino Detector to act like a Radio Bubble Chamber	Masami Chiba (Tokyo)
15:20-15:40	Long lived status in IceCube from atmospheric neutrinos	Stefano Profumo (Santa Cruz)
15:40-16:00	Indirect Dark Matter search with H.E.S.S.	Emmanuel Moulin (DAPNIA/SPP)
16:00-16:30	coffee break	
<i>Chairperson: Stefano Profumo</i>		
16:30-16:50	Indirect searches for Dark Matter with AMS02	Pierre Brun (LAPP)
16:50-17:10	The dark connection between the Canis Major dwarf, the Monoceros ring, the gas flaring, the rotation curve and the EGRET excess of diffuse Galactic Gamma Rays	Wim De Boer (KIT)
17:10-17:30	Supersymmetric Interpretation of the EGRET excess in diffuse Galactic gamma rays	Christian Sander (Hamburg)
17:30-17:50	Determination of the Dark Matter profile from the EGRET excess of diffuse Galactic gamma rays	Markus Weber (KIT)
17:50-18:10	Uncertainties of the antiproton flux from Dark Matter annihilation in comparison with the EGRET excess of diffuse gamma rays	Iris Gebauer (KIT)
18:10-18:30	The anomaly in the cosmic ray positron spectrum	Jan Olzem (Aachen)

Friday, 27.7.2007		
<i>Chairperson: Klaus Eitel</i>		
14:00-14:20	A Dark Matter Tool on the Web	Rachid Lemrani (CEA/DAPNIA/SPP)
14:20-14:40	Determining the WIMP Mass from Direct Dark Matter Detection Data	Chung-Lin Shan (Bonn)
14:40-15:00	Status of the EDELWEISS-2 Dark Matter Search	Astrid Chantelauze (KIT)
15:00-15:20	New results from the XENON10 direct Dark Matter search	Daniel McKinsey (Yale)
15:20-15:40	LUX: A Large Two-phase Liquid Xenon Detector for WIMP Search	Mani Tripathi (UC Davis)
15:40-16:00	Systematics and background suppression in the KATRIN experiment	Kathrin Valerius (Münster)
16:00-16:30	coffee break	
<i>Chairperson: Mani Tripathi</i>		
16:30-16:50	Constraints on the very early universe from WIMP Dark Matter	Mitsuru Kakizaki (Bonn)
16:50-17:10	Phenomenology of sub-GUT Supersymmetry Breaking	Pearl Sandick (Univ. of Minnesota)
17:10-17:30	The Lightest Higgs Boson and Relic Neutralino in the MSSM with CP Violation	Stefano Scopel (Seoul)
17:30-17:50	SUSY-GUTs, SUSY-Seesaw and the Neutralino Dark Matter	Lorenzo Calibbi (Valencia)
17:50-18:10	Effect of radiative corrections at order α_s to neutralino annihilation processes on the cold Dark Matter relic density	Björn Herrmann (Grenoble)
18:10-18:30	Constraining the mSUGRA parameter space through entropy and abundance criteria	Myriam Mondragon (UNAM)
Saturday, 28.7.2007		
<i>Chairperson: Stefano Scopel</i>		
14:00-14:20	Connections between colliders and cosmology in the nMSSM	Ayres Freitas (Zurich)
14:20-14:40	Phenomenology of Models with Mirage Unification	Xerxes Tata (Hawaii)
14:40-15:00	Non-Universal gaugino masses and implications on the Dark Matter and Higgs searches	Jari Laamanen (Helsinki)
15:00-15:20	Lightest neutralino in the MNSSM	Roman Nevzorov (Glasgow)
15:20-15:40	Mixed-sneutrino Dark Matter at the LHC	David Tucker-Smith (Williams College)
15:40-16:00	Dark Matter in SUGRA models and the LHC	David Toback (Texas A&M)
16:00-16:30	coffee break	
<i>Chairperson: Daniel Chung</i>		
16:30-16:50	RH Sneutrino Condensate CDM and the Baryon-to-Dark Matter Ratio	John McDonald (Lancaster)
16:50-17:10	Unification and Dark Matter in a Minimal Scalar Extension of the Standard Model	Mariangela Lisanti (SLAC)
17:30-17:50	Stability and Leptogenesis in the left-right symmetric SeeSaw mechanism	Tomas Hällgren (Royal Inst. of Technology)
17:50-18:10	Leptogenesis in the Exceptional Supersymmetric Standard Model	Rui Luo (Glasgow)
18:10-18:30	Dark Matter from brane oscillations	Tonnis ter Veldhuis (Macalester College)

Monday, 30.7.2007		
<i>Chairperson: Sabine Kraml</i>		
14:00-14:20	Gravitino Dark Matter with Stop as the NLSP	Yudi Santoso (Victoria)
14:20-14:40	Gravitino Dark Matter with broken R-parity	Alejandro Ibarra (DESY)
14:40-15:00	Gravitino Dark Matter and Constraints on the Reheating Temperature	Josef Pradler (MPI for Nuclear Physics)
15:00-15:20	The Dark Matter as a light gravitino	Gilbert Moultaqa (Montpellier)
15:20-15:40	Cosmology of Gravitino LSP Scenario with Right-Handed Sneutrino NLSP	Koji Ishiwata (Tohoku)
15:40-16:00	Gravitino Dark Matter	Vassilis Spanos (Patras)
16:00-16:30	coffee break	
<i>Chairperson: Lisa Everett</i>		
16:30-16:50	Gauge Invariant MSSM Inflation	Anupam Mazumdar (NORDITA)
16:50-17:10	Gravitino Production from Late-Decaying Scalar Field	Motoi Endo (DESY)
17:10-17:30	Gravitino Overproduction from Inflaton Decay, and its implication for SUSY breaking	Fuminobu Takahashi (DESY)
17:30-17:50	Curvature and isocurvature perturbations in two-field inflation	Krzysztof Turzyski (Univ. of Michigan)
17:50-18:10	Inhomogeneous preheating in multi-field inflationary models	Tomohiro Matsuda (Saitama)
18:10-18:30	Chaotic inflation model dominated by the D-term in supergravity	Masahide Yamaguchi (Aoyama)
Tuesday, 31.7.2007		
<i>Chairperson: Laura Baudis</i>		
14:00-14:20	Extremely Long Lived Charged Massive Particles as A Probe of the Early Universe	Fumihiro Takayama (Cornell Univ.)
14:20-14:40	Supersymmetry, Dark Matter, and Dark Energy	Lisa Everett (Univ. of Wisconsin)
14:40-15:00	Robustness of quintessence models against quantum corrections	Mathias Garny (MPI for Nuclear Physics)
15:00-15:20	A New Constraint System Applied to Modifying Gravity	Daniel Chung (Univ. of Wisconsin)
15:20-15:40	Primordial nucleosynthesis as a probe of fundamental physics parameters	Thomas Dent (Heidelberg)
15:40-16:00	Low energy particle physics and cosmology of Nonlinear Supersymmetric General Relativity(NLSUSUGR)	Kazunari Shima (Saitama Inst. of Technology)