

HEP2006: Recent Developments in High Energy Physics and Cosmology

Ioannina, Greece , April 13-16 2006

Thursday 13 April 2006

8:30-9:00	Registration	
9:00-9:15	Opening	
9:15-9:55	Sarkar	WMAP and inflation
9:55-10:25	Lazarides	Modular inflation with a pseudo Nambu-Goldstone boson curvaton
10:25-10:55	Vergados	On Direct Searching for Dark matter
10:55-11:15	Dimopoulos	Inflation at Tev Scale with a PNGB Curvaton
		<i>Coffee break</i>
11:35-12:15	Gregory	Braneworld Stars and Black Holes
12:15-12:45	Kanti	Particle Emission from a Higher-Dimensional Black Hole
12:45-13:15	Lahanas	Non-critical String Cosmologies and Dark Matter
13:15-13:35	Mavromatos	Non Equilibrium Cosmologies and Astroparticle Phenomenology
13:35-13:50	Mitsou	Confronting Non-Equilibrium Dark Energy Models with Astrophysical Data
		<i>Lunch break</i>
16:00-16:30	Karyotakis	Linear Colliders Physics, accelerator and experiments
16:30-17:00	Gazis	Fast neutron background radiation studies with the ATLAS muon chambers and Chi_b physics studies
17:00-17:30	Cooper	Parton Distribution Functions from HERA to the LHC
17:30-18:00	Tzanakos	First Results from MINOS Long Baseline Neutrino Oscillation Experiment
		<i>Coffee break</i>
18:30-18:50	Fassouliotis	Discovery potential for the MSSM H/A decays with the ATLAS detector
18:50-19:10	Papadopoulou	Recent highlights of H1/HERA results
19:10-19:25	Bachas	Muon identification using energy measurement in the ATLAS calorimetersrn
19:25-19:40	Dris	Upgrading the CMS Tracker Readout Optical Links for Super LHC
19:40-19:55	Anastopoulos	Measuring the B+ -> J/Psi (mu+ mu-) K+ channel with the first LHC data in ATLAS
19:55-20:10	Giakoumopoulou	Probing the top quark mass with leptons: The framework
20:10-20:25	Velides	Probing the top quark mass with leptons: Preliminary results
20:25-20:40	Sidiropoulos	Data Reduction Firmware for CMS Preshower OFF-Detector Electronics

Friday 14 April 2006

9:00-9:40	Antoniadis	Supersymmetry breaking by magnetic fields
9:40-10:10	Quiros	The MSSM from SS breaking
10:10-10:40	Kiritsis	Hunting for the Standard Model in orientifold string vacua
10:40-11:10	Shafi	Quartic Potentials In Good Agreement With WMAP
<i>Coffee break</i>		
11:40-12:10	Dedes	Complete one-loop calculation of neutrino masses in the Lepton number violating MSSM
12:10-12:40	Papadopoulos	Recursive equations for scattering amplitude calculations
12:40-13:10	Coriano	Moving toward the LHC with very high precision and the search for extra Z's
13:10-13:30	Lola	Massive Neutrinos: Model Building
<i>Lunch break</i>		
16:00-16:30	Gounaris	Possible neutralino contributions to Dark Matter, LHC and future collider searches.
16:30-17:00	Foudas	First Level Triggers at LHC and Super LHC
17:00-17:30	Polychronakos	The challenge of detecting and measuring muons at the LHC
17:30-17:50	Stasinaki	Kink decays (e.g. K/π to μ on+ neutrino) and PID in ALICE
17:50-18:05	Vichoudis	The CMS Preshower Readout Chain
<i>Coffee break</i>		
18:30-18:50	Tzamarioudaki	Recent Highlights on Heavy Flavour Production at HERA
18:50-19:10	Gialas	Searches for New Physics at HERA
19:10-19:30	Kokkas	Detection of muons at 150 GeV/c with a CMS Preshower Prototype.
19:30-19:50	Vassiliou	Physics Results of the NA49 Experiment on Nucleus-Nucleus Collisions at SPS Energies
19:50-20:05	Papadopoulos	PACE-3 pulse height parametrization
20:05-20:20	Tsirigotis	Special Issues of the KM3Net Design
20:20-20:35	Moustakides	Nuclear symmetry energy effects on neutron stars cooling
20:35-20:50	Ganoti	The role of resonances production in heavy ion collisions and search for $\Lambda(1520)$ in ALICE

Saturday 15 April 2006

9:00-9:40	Katsanevas	A European Roadmap for Astroparticle Physics?
9:40-10:10	Resvanis	KM3NeT
10:10-10:50	Palestini	The ATLAS experiment: status of the project and early physics
10:50-11:20	Tzamarias	Neutrino Telescopy and Extensive Air Showers
11:20-11:50	Loucatos	High energy neutrino astrophysics
<i>Coffee break</i>		
12:15-12:45	Kounnas	Fluxes, gaugings and superpotentials in superstring theories
12:45-13:15	Sfetsos	Dual Marginal Deformations
13:15-13:45	Petropoulos	On fluxes and condensates
13:45-14:15	Savvidis	Non-Abelian Tensor Gauge Fields and Higher-Spin Extension of Standard Model
<i>Lunch break</i>		
16:00-16:30	Woodard	Leading Log Solution for Yukawa during Inflation
16:30-17:00	Papantonopoulos	Braneworld Cosmological Models
17:00-17:20	Kehagias	On the cosmological constant problem
17:20-17:40	Chrysomalakos	Algebraic Footprints of Quantum Gravity: a Stability Point of View
17:40-18:00	Petkou	Duality in Gravity on AdS ₄
18:00-18:20	Irges	MLSOM
18:20-18:40	Kokorelis	MSSM vacua, Split Susy and Fluxes
18:40-18:55	Zamarias	Geometrical Tachyon Dynamics in the Background of a Bulk Tachyon Field
18:55-19:10	Georgatos	Evolution of the LCG GRID infrastructure and the opportunities for Scientific Collaboration
19:15-20:45	<i>EESFYE General Assembly</i>	
21:15	<i>Conference Dinner</i>	

Sunday 16 April 2006

9:00-9:20	Sampsonides	Status Report on the GR-BIS ATLAS Muon Chambers
9:20-9:40	Kordas	ATLAS Trigger and Data Acquisition system: architecture and status.
9:30-9:45	Nikolopoulos	Measurement of muon energy loss in ATLAS
9:45-10:00	Staveris-Polykalas	Measurement of the inclusive crosssection $W \rightarrow e \nu$ in Plug region of CDF Detector RunII"
10:00-10:20	Geralis	The Global Trigger Emulator and the CMS-DAQ integration
10:20-10:35	Leisos	HELYCON: Developing and constructing an extensive air shower detector
10:35-10:50	Keramidas	Heavy Flavour tagging using the ZEUS Micro Vertex Detector
10:50-11:05	Liolios	Earth's minerals as time-integrated detectors for axions

Coffee break

11:30-11:50	Kousouris	Review and Prospects of the CAST experiment
11:50-12:10	Vermizoglou	FCNC top decays in CMS/LHC
12:10-12:25	Panotopoulos	A model with the present universe as a global attractor
11:25-12:40	Pasipoularides	Brane world models with a scalar field non-minimally coupled with gravity
12:40-12:55	Efthimiou	Graviton Emission in the Bulk from Higher Dimensional Schwarzschild Black Holes
12:55-13:10	Nesseris	Constraints on Dark Energy Models from the Legacy and Gold SnIa Datasets.
13:10-13:25	Bogdanos	Exact solutions in 5D brane models with scalar fields
13:25-13:40	Saridakis	Evolution of Critical Correlations in the QCD Phase Transition
13:40-13:55	Bachtis	ATLAS MDT High Voltage - Low Voltage Detector Control System
13:55-14:10	Mermigka	Simulation study of the ATLAS Muon Drift Tube Chambers performance

Lunch break

16:00-18:00 *Meeting of Greek CERN Committee*