

Detailed Programme Parallel Sessions DISCRETE'08

Thursday 11, Session A

CP violation in the SM and beyond-I			
14:30-14:55	Mohapatra, Debabrata	Rare B decays including EW, leptonic and hadronic-penguin decays	25
14:55-15:20	Versaci, Roberto	Study of the eta → pi+pi-e+e- decay at KLOE	45
15:20-15:45	De Simone, Patrizia	Vus and CP invariance test from Kaon decays with the KLOE detector	60
15:45-16:10	Romanino, Andrea	SUSY contributions to ϕ_Bs from highly non-degenerate sfermions	99
16:10-16:30	Sukhoruchkin, Sergey	The QED corrections in the Standard Model	2
16:30-17:00	Coffee break		
CP violation in the SM and beyond-II			
17:00-17:25	Fernandez, Juan Pablo	Review of CP violation studies at Tevatron	112
17:25-17:50	Parsons, John	Single top quark measurements at the Tevatron	104
17:50-18:10	Gori, Stefania	Rare K and B decays in a Warped Extra Dimension with Custodial Protection	37
18:10-18:30	Duling, Bjoern	ΔF=2 processes in a model with a warped extra dimension and custodial protection	36
	Adjourn		

Thursday 11, Session B

Family symmetries-I			
14:30-14:50	Chen, Kai-feng	Searches for Fourth Generation Particles and Heavy Neutrinos at CMS	76
14:50-15:10	Jones Perez, Joel	Electric Dipole Moments from Spontaneous CP Violation in SU(3)-flavoured SUSY	68
15:10-15:30	Merlo, Luca	LFV and Dipole Moments in Models with A4 Flavor Symmetry	13
15:30-15:50	Mondragon, Alfonso	Lepton flavor violating processes in an S(3)-invariant extension of the Standard Model	66
15:50-16:10	Torrente-Lujan, Emilio	Embedding discrete symmetries: Large neutrino mixing in SO(10) GUT	69
16:10-16:30	Potter, Frank	Discrete Rotational Subgroups of the SM dictate Family Symmetries and Masses	7
16:30-17:00	Coffee break		
Leptogenesis			
17:00-17:25	Petkov, Serguey	Neutrino masses, Mixing, Majorana and Dirac CP-Violation and Leptogenesis	10
17:25-17:50	Vives Garcia, Oscar	Flavoured Leptogenesis: a successful thermal leptogenesis with M1 below 10^8 GeV	3
17:50-18:10	Molinaro, Emiliano	Effects of Lightest Neutrino Mass in Leptogenesis	50
18:10-18:30	Aristazabal, Diego	Variations on Leptogenesis	107
	Adjourn		

Friday 12, Session A

Supersymmetry and other searches-I			
14:30-14:55	Kittel, Olaf	SUSY CP phases and asymmetries at colliders	64
14:55-15:20	Bartoldus, Rainer	Spectroscopy and new physics searches in bottomonium decays	31
15:20-15:40	Ventura, Andrea	Prospects for SUSY discovery based on inclusive searches with the ATLAS detector	98
15:40-16:00	Torro Pastor, Emma	Prospects for detecting long-lived supersymmetric particles with ATLAS	83
16:00-16:20	Shimomura, Takashi	Measuring LFV at LHC with Long-Lived Slepton in the Coannihilation Region	88
16:20-16:40	Kaneko, Satoru	Supersymmetric seesaw type-II: LHC and lepton flavor violating phenomenology	35
16:40-17:00	Mondragon, Myriam	Predictions of Finite Unified Theories	65
17:00-17:30	Coffee break		
Supersymmetry and other searches-II			
17:30-17:50	Cabrera Urban, Susana	Top physics studies in SM and BSM with the ATLAS detector	80
17:50-18:10	Ferrario, Paola	Charge asymmetries of top quarks: a window to new physics at hadron colliders	28
18:10-18:30	Groll, Marius	Associated production of weak bosons at LHC with the ATLAS detector	82
18:30-18:55	Barfuss, Anne-fleur	Searches for leptoquarks at Tevatron	67
18:55-19:15	Benucci, Leonardo	Search for Extra Dimensions at CMS	75
19:15-19:35	Lendermann, Victor	Probing TeV gravity with the ATLAS detector	84
	Adjourn		

Friday 12, Session B

Family symmetries-II			
14:30-15:00	Hayasaka, Kiyoshi	Searches for LFV at B factories and CLEO	26
P, T, CPT symmetries, Lorentz violation and Decoherence-I			
15:00-15:25	Lehnert, Ralf	CPT and Lorentz violation as signatures for Planck-scale physics	72
15:25-15:50	Widmann, Eberhard	Antiprotonic helium and CPT symmetry	62
15:50-16:15	Juhasz, Bertalan	Testing CPT with the ground-state hyperfine splitting of antihydrogen	27
16:15-16:40	Lusiani, Alberto	Tests of T and CPT symmetries at B factories	32
16:40-17:00	Sakharov, Alexandre	Examination of quantum gravity effects with neutrino	46
17:00-17:30	Coffee break		
P, T, CPT symmetries, Lorentz violation and Decoherence-II			
17:30-17:55	Sarkar, Sarben	The omega effect as a discriminant of space-time foam	86
17:55-18:20	Espriu, Domenec	Parity Breaking at high densities	78
18:20-18:40	Andrianov, Alexander	Cosmology of Non-Hermitian (C)PT-invariant scalar matter	79
18:40-19:00	Salvio, Alberto	CPT, Lorentz invariance and anomalous clash of symmetries	53
19:00-19:20	Potting, Robertus	Cardinal Gravity	51
19:20-19:40	Dvoeglazov, Valeri	P,C,T for Neutral Particles	15
	Adjourn		

Friday 12, Session C

The Quantum vacuum-I			
14:30-14:55	Casal, Bruno	Searches for Higgs at Tevatron	113
14:55-15:15	Valls Ferrer, Juan	Higgs Discovery potential with ATLAS	105
15:15-15:35	Ros, Eduardo	Review of the little Higgs and twin Higgs models	61
15:35-15:55	Camboni, Alessandro	Direct Search for Higgs Boson in LHCb	102
15:55-16:15	Rodriguez, Ezequiel	Conditions for vacuum stability in an S(3) extension of the Standard Model	109
16:15-16:35	Laloum, Maurice	Cosmological Dark Energy through neutrino oscillations and Quantum Mechanics	9
16:35-16:55	Kostouki, Anna	Tachyon-Dilaton Inflation as an alpha'-non perturbative solution in first quantized String Cosmology	49
17:00-17:30	Coffee break		
The Quantum vacuum-II			
17:30-17:50	Nomura, Takaaki	Standard(-like) Model from an SO(12) Grand Unified Theory in six-dimensions with S_2 extra-space	56
Entanglement			
17:50-18:15	Curceanu, Catalina	New experimental limit on the Pauli Exclusion Principle violation by electrons – the VIP experiment	0
18:15-18:35	Bañuls, M. Carmen	Entanglement in Fermionic Systems	47
18:35-18:55	Hiesmayr, Beatrix	What has CP violation to do with nonlocality?	39
18:55-19:15	Elze, Hans-Thomas	Symmetry aspects in emergent quantum mechanics	38
19:15-19:35	Vergou, Ariadne	Exotic statistics in string cosmology	55
19:35-19:55	Chryssomalakos, Chryssomalis	Canonical Commutation Relations and Adiabatic Parasites	116
	Adjourn		

Saturday 13, Session A

Experimental prospects			
15:00-15:25	Hitlin, David	Status of the Super Flavor Factory SuperB	103
15:25-15:50	Bracko, Marco	Status of the KEK SuperB Factory	43
15:50-16:15	Bossi, Fabio	The KLOE-2 Project	29
16:15-16:35	Rodrigo, Teresa	Status of CMS commissioning	94
16:35-16:55	Costa, Maria Jose	Commissioning of the ATLAS detector with cosmic rays and first LHC beams	87
16:55-17:15	Mozer, Matthias	Triggers for New Physics at the LHC	73
17:15-17:35	Biallass, Philipp	MUSiC – A general Search for Deviations from Standard Model Predictions in CMS	74
17:35-17:55	Grabalosa, Marc	Tagging performance in the LHCb	97
	Adjourn		

Saturday, Session B

Neutrino mass mixing and CP-I			
15:00-15:25	Kienle, Paul	Two Body Weak decays studies in an iron storage ring	77
15:25-15:50	Kreslo, Igor	OPERA: on the way to nu-tau observatio	34
16:50-16:15	Gil Botella, Ines	The Double Chooz reactor neutrino experiment	40
16:15-16:35	Villanova del Moral, Albert	Lepton flavor violating stau decays versus seesaw parameters: correlations and expected number of events for both seesaw type-I and II	90
16:35-16:55	De M. Varzielas, Ivo	Quasi-degenerate neutrinos and tri-bi-maximal mixing	58
16:55-17:15	Morisi, Stefano	Modelling tri-bi-maximal neutrino mixing	57
17:15-17:35	Rebelo, Margarida N.	The relationship between leptogenesis and low energy observables	122
17:35-17:55	D'Olivo, Juan C.	Analytical description of the Earth matter effect on neutrino oscillations	125
	Adjourn		

Monday 15, Session A

CP violation in the SM and beyond-III			
14:30-14:55	Chen, Kai-feng.	Experimental review of CP violation and CKM angles at B factories	24
14:55-15:20	Oyanguren, Arantza	Experimental review of CKM sides at B factories	33
15:20-15:45	Purohit, Milind	Results on D mixing and CP violation	30
15:45-16:10	Bracko, Marko	New states and charmonium spectroscopy at B factories	23
16:10-16:30	Cortina, Eduardo	The NA62 experiment at CERN	121
16:30-17:00	Coffee break		
CP violation in the SM and beyond-IV			
17:00-17:20	Nebot, Miguel	Small violations of 3x3 unitarity, the phase in Bs mixing and visible $t \rightarrow cZ$ decays at the LHC	81
17:20-17:40	Park, Jae-hyeon	Bs mixing phase and lepton flavor violation in supersymmetric SU(5)	110
17:40-18:00	Adinolfi, Marco	High precision probes for new physics through CP-violating measurements at LHCb	16
18:00-18:20	Ruiz, Hugo	Rare decays at LHCb	17
18:20-18:40	Gallas, Abraham	Commissioning and early LHCb results	18
18:40-19:00	Gonzalez Canales, Felix	On quark-lepton complementarity	100
	Adjourn		

Monday 15, Session B

High energy Messengers-I			
14:30-14:55	Spillantini, Piero	Antimatter and Dark Matter research with PAMELA Space Mission	96
14:55-15:20	Casaus, Jorge	The AMS-02 Experiment in the ISS	106
15:20-15:45	Carmona, Emiliano	Results from the MAGIC Cherenkov Telescope	54
15:45-16:10	Hernandez-Rey, J.J.	ANTARES and KM3NeT	1
16:10-16:30	Alvarez-Muñiz, Jaime	Auger experiment	183
16:30-17:00	Coffee break		
High energy Messengers-II			
17:00-17:20	Yaguna, Carlos	Gamma rays from the annihilation of singlet scalar dark matter	71
17:20-17:40	Palomares Ruiz, Sergio	Sterile neutrinos and low reheating temperature	117
17:40-18:00	Bustamante, Mauricio	Extreme scenarios of new physics in the UHE astrophysical neutrino flavour ratios	108
Neutrino mass mixing and CP-II			
18:00-18:25	Gomez Cadenas, J.J.	Ettore Majorana meets his shadow	182
18:25-18:45	Vicente, Avelino	Spontaneous R-parity violation and the origin of neutrino masses	59
18:45-19:05	Zoupanos, George	Finite Unified Theories	63
	Adjourn		