

DISCRETE 2012 TIMETABLE (Lisboa, 3-7 December 2012)

	Monday	Tuesday	Wednesday	Thursday	Friday		
9.00-9.15	Welcome	Smirnov	Di Domenico	Harnew	Mavromatos		
9.15-9.45	Antoniadis						
9.45-10.00			Bernabéu	Potting	Walsh	Nierste	
10.00-10.30	Djouadi						
10.30-10.45			COFFEE			COFFEE	
10.45-11.00	COFFEE						
11.00-11.15	Mohapatra	Cirelli	Varela	Conde	Feruglio		
11.15-11.45							
11.45-12.00			Pilaftsis	Rathmann	A.-Saavedra	Mitsou	
12.00-12.30	Rubbia						
12.30-12.45			Gallinaro	LUNCH		LUNCH	
12.45-13.15	LUNCH						
13.15-14.00			LUNCH	PARALLEL		14.00-14.45	Yamauchi
14.00-14.30			PARALLEL			14.45-15.30	Giorgi
14.30-15.15	PARALLEL				Ghilencea	COFFEE	
15.15-16.05							
16.05-16.35	FREE AFTERNOON		PARALLEL		COFFEE		
16.35-17.00							COFFEE
17.00-18.40	6-8.45pm RECEPTION	PARALLEL	8pm: DINNER				
18.40-19.05							

- DISCRETE 2012 PLENARY SESSION PROGRAMME -

- Monday, December 3 (Main Auditorium)

8.00-9.00		Registration
9.00-9.15		Welcome
9.15-10.00	Antoniadis	Mass hierarchy and string phenomenology in the LHC era
10.00-10.45	Djouadi	Some implications of the LHC Higgs results
10.45-11.15	COFFEE BREAK	
11.15-12.00	Mohapatra	Theory of Flavor
12.00-12.45	Rubbia	Present and Future Neutrino Experiments

Tuesday, December 4 (Main Auditorium)

9.00-9.45	Smirnov	Neutrino mass, mixing and discrete symmetries
9.45-10.30	Bernabéu	Time Reversal Violation for Entangled Neutral Mesons
10.30-11.00	COFFEE BREAK	
11.00-11.45	Cirelli	Dark Matter searches: phenomenological and theoretical aspects
11.45-12.30	Pilaftsis	Leptogenesis: Recent Developments

Wednesday, December 5 (Main Auditorium)

9.00-9.45	Di Domenico	Testing discrete symmetries with kaons: status and perspectives
9.45-10.30	Potting	Lorentz and CPT Violation
10.30-11.00	COFFEE BREAK	
11.00-11.45	Varela	Overview of CMS Physics Results
11.45-12.30	Rathmann	EDM Theory and Experiment: Search for new Physics beyond the Standard Model
12.30-13.15	Gallinaro	Top quark physics
13.15-14.30	COFFEE BREAK	
14.30-15.15	Ghilencea	Naturalness of SUSY models after the Higgs discovery

Thursday, December 6 (Main Auditorium)

9.00-9.45	Harnew	Selected highlights from LHCb
9.45-10.30	Walsh	CP Violation from the B Factories
10.30-11.00	COFFEE BREAK	
11.00-11.45	Conde	Overview of ATLAS Physics Results
11.45-12.30	Aguilar-Saavedra	$t\bar{t}$ charge asymmetry and friends
12.30-14-00	LUNCH	

Friday, December 7 (Main Auditorium)

9.00-9.45	Mavromatos	CPT Violation in Early Universe and Leptogenesis/Baryogenesis
9.45-10.30	Nierste	Flavour and CP Violation
10.30-11.00	COFFEE BREAK	
11.00-11.45	Feruglio	Combining Flavor and CP Symmetries
11.45-12.30	Mitsou	Experimental status of Particle and Astroparticle searches for Supersymmetry
12.30-14-00	LUNCH	
14.00-14.45	Yamauchi	Flavor physics program at KEK - SuperKEKB and J-PARC
14.45-15.30	Giorgi	Future B Factories
15.30-15-45	CLOSING	
15.45-16-15	COFFEE BREAK	

- **DISCRETE 2012 PARALLEL SESSION TIMETABLE** -

	Monday, December 3		
	Room: Main Auditorium	Room 1:	Room 2:
14:30 - 16:35	P1 – CPV and TV Chair: NEBOT, M.	P2 –TOP PHYSICS Chair: FERREIRA, P.	P3 –SUSY AND FLAVOUR Chair: VICENTE, A.

	Tuesday, December 4		
	Room: Main Auditorium	Room 1:	Room 2:
14:30 - 16:35	P4 – FLAVOUR I Chair: GOMEZ, M.	P5 –CPV I Chair: SILVA, J.	P6 – SEARCHES I Chair: EMMANUEL-COSTA, D.
16:35 - 17:00	COFFEE BREAK		
17:00 - 19:05	P7 – FLAVOUR II Chair: HAGEDORN, C.	P8 –DARK MATTER Chair: PALOMARES-RUIZ, S.	P9 – SEARCHES II Chair: MOREAU, G.

	Thursday, December 6		
	Room: Main Auditorium	Room 1:	Room 2:
14:00 - 16:05	P10 – HIGGS THEORY I Chair: JOAQUIM, F.	P11 – NEUTRINOS AND FLAVOUR Chair: VARZIELAS, I.	P12 – OTHER TOPICS Chair: EMMANUEL-COSTA, D.
16:05 - 16:35	COFFEE BREAK		
16:35 - 18:40	P13 – HIGGS THEORY II Chair: KRAWCZYK, M.	P14 – CPV II Chair: MONDRAGON, M.	P15 – NEUTRINOS Chair: MOLINARO, E.

DISCRETE 2012 PARALLEL SESSION PROGRAMME – MONDAY, DECEMBER 3

ROOM	MAIN AUDITORIUM	ROOM 1	ROOM 2
	P1 – CPV and TV Chair: NEBOT, M.	P2 –TOP PHYSICS Chair: FERREIRA, P.	P3 –SUSY AND FLAVOUR Chair: VICENTE, A.
14:30-14.55	UKLEJA, Artur: Charm mixing and CP violation (LHCb).	ONOFRE, António: Top Quark Couplings and Search for New Physics at the LHC.	FONSECA, Renato: Running soft parameters in SUSY models with multiple U(1) gauge factors.
14.55-15.20	BIRD, Thomas: Studies of CP violation using semileptonic decays (LHCb).	WON, Miguel: MTop - top FCNC event generator.	FIGUEIREDO, António: Lepton Flavour Violation at a Linear Collider in the type-I SUSY seesaw.
15.20-15.45	VAN LEERDAM, Jeroen: Measurement of the CP violating phase in B_s mixing (LHCb).	FIOLHAIS, Miguel: Top effective operators at the ILC.	ARBELAEZ, Carolina: SUSY SO(10) with low intermediate scales.
15.45-16.10	VALDAU, Yury: Test of Time Reversal Invariance at COSY.	FERREIRA DA SILVA, Pedro: Measurements of the top-quark mass and production cross section at CMS.	WEILAND, Cedric: Enhanced lepton flavour violation in the supersymmetric inverse seesaw.
16.10-16.35	VILLANUEVA PEREZ, Pablo: Direct Observation of time reversal violation in B decays at BABAR.		

DISCRETE 2012 PARALLEL SESSION PROGRAMME – TUESDAY, DECEMBER 4

ROOM	MAIN AUDITORIUM	ROOM 1	ROOM 2
	P4 – FLAVOUR I Chair: GOMEZ, M.	P5 –CPV I Chair: SILVA, J.	P6 – SEARCHES I Chair: EMMANUEL-COSTA, D.
14:30-14.55	DE MEDEIROS VARZIELAS, Ivo: Fermion mixing with geometrical CP violation and its tests at the LHC.	BALEV, Spasimir: Recent results from the NA62 experiment at CERN and future prospects.	GONÇALO, Ricardo: Higgs searches at ATLAS.
14.55-15.20	EIJIMA, Shintaro: Neutrino mass and baryon asymmetry in two right-handed neutrino model.	BARTON, Adam: CP Violation Measurement at ATLAS.	GIANGIOBBE, Vincent: Searches in $\gamma + X$ final states in ATLAS.
15.20-15.45	HAGEDORN, Claudia: Lepton mixing from groups $\Delta(3n^2)$ and $\Delta(6n^2)$.	CARSON, Laurence: Measurements of the CKM angle γ in tree-dominated decays (LHCb).	OGGERO, Serena: Very rare decays (LHCb).
15.45-16.10	KRAUSS, Martin B.: Neutrino mass from $d>5$ effective operators in an SU(5) GUT with discrete symmetry.	DERKACH, Denis: Studies of CP violation in charmless B decays (LHCb).	EISENHARDT, Stephan: The LHCb Upgrade.
16.10-16.35	VICENTE, Avelino: Light sterile neutrinos and R_k .	NERI, Nicola: CP violation in charm and τ decays at BABAR.	VICKERS, Stefan: CP violation and Standard Model tests in charmless hadronic B decays.
16.35-17.00	COFFEE BREAK		
	P7 – FLAVOUR II Chair: HAGEDORN, C.	P8 –DARK MATTER Chair: PALOMARES-RUIZ, S.	P9 – SEARCHES II Chair: MOREAU, G.
17.00-17.25	MONDRAGON, Alfonso: The S3 flavour symmetry: quarks, leptons and Higgs sectors.	LUSIANI, Alberto: Search for dark-sector Higgs and gauge bosons at BABAR.	SUCCURRO, Antonella: Searches for heavy quarks at the ATLAS experiment.
17.25-17.50	SIMOES, Catarina: The adjoint SU(5) constrained by a Z_4 flavour symmetry .	JOSSE-MICHAUX, Francois-Xavier: Triplet Scalar Dark Matter and Leptogenesis in an Inverse See-Saw Model of Neutrino Mass Generation.	ABDALLAH, Jalal: Searches in Jet + X final states in ATLAS (including monojets, dijets, multijets results).
17.50-18.15	VANEGAS FORERO, David: Unitarity Violation in a model with A_4 flavor symmetry.	CHU, Xiaoyong: Four Basic Ways of Generating Dark Matter Relic density Through a Portal.	TOSI, Mia: Results on the Search for MSSM Neutral and Charged Higgs bosons (CMS).
18.15-18.40	RAMA, Krishnan: A Model for Large θ_{13} Constructed using the Eigenvectors of the S_4 Rotation Matrices.	AOKI, Mayumi: Multi-Component Dark Matter System with non-standard annihilation processes.	MENEGHELLI, Marco: Searches for SM Higgs boson decaying into two photons, ZZ and two τ s in CMS.
18.40-19.05		GRAZIANI, Enrico: Search for low mass vector gauge bosons mediating dark forces at KLOE.	NEVES, Francisco: The LUX Experiment: Status and Future Plans.

DISCRETE 2012 PARALLEL SESSION PROGRAMME – THURSDAY, DECEMBER 6

ROOM	MAIN AUDITORIUM	ROOM 1	ROOM 2
	P10 – HIGGS THEORY I Chair: JOAQUIM, F.	P11 – NEUTRINOS AND FLAVOUR Chair: VARZIELAS, I.	P12 – OTHER TOPICS Chair: EMMANUEL-COSTA, D.
14:00-14.25	KRAWCZYK, Maria: 2HDM with Z2 symmetry in light of new LHC data.	JONES-PEREZ, Joel: RGE Behaviour of SUSY with a $U(2)^3$ symmetry.	MALBRUNOT, Chloe: Measurement of the ground-state hyperfine splitting of antihydrogen at CERN.
14.25-14.50	FERREIRA, Pedro: Avoiding Death By Vacuum.	NEBOT, Miguel: Vector-like quarks and New Physics in the flavour sector.	DE SANTIS, Antonio: Search for CPT and Lorentz symmetry violation in neutral kaons at KLOE.
14.50-15.15	MOLINARO, Emiliano: Higgs Decays in Low Scale Type I Seesaw Scenarios.	ADEVA, Bernardo: Lepton Number Violation and Lepton Flavour Violation (LHCb).	WIDMANN, Eberhard: Hyperfine Structure of Antiprotonic Helium and the Antiproton Magnetic Moment.
15.15-15.40	MONDRAGON, Myriam: Higgs potential in an S_3 extension of the Standard Model.	FARGION, Daniele: Beaming Neutrino across the Earth to test neutrino mixing, symmetry and mass hierarchy.	MARTON, Johann: Testing the Pauli Exclusion Principle for Electrons.
15.40-16.05	MOREAU, Grégory: Generic constraints on new fermions from the Higgs data.	ESPINOZA HERNANDEZ, M. Catalina: Search for sterile neutrinos at Radioactive Ion Beam facilities.	MILLINGTON, Peter: Thermal Field Theory to all orders in Gradient Expansion.
16.05-16.35	COFFEE BREAK		
	P13 – HIGGS THEORY II Chair: KRAWCZYK, M.	P14 –CPV II Chair: MONDRAGON, M.	P15 – NEUTRINOS Chair: MOLINARO, E.
16.35-17.00	RODRÍGUEZ, Ezequiel: Analysis of CP conserving Higgs bosons self-couplings in $SM \times S(3)$.	PETRIDIS, Konstantin: Studies of the electroweak penguin transitions $b \rightarrow s \mu^+ \mu^-$ and $b \rightarrow d \mu^+ \mu^-$ at LHCb.	SEGRETO, Ettore: Results from the ICARUS experimental search in the LSND anomaly region.
17.00-17.25	SUKHORUCHKIN, Sergey: Discreteness in parameters of the Standard Model.	MANONI, Elisa: $B \rightarrow D^{(*)} \tau \nu$ and related measurements (BABAR).	MANEIRA, José: The SNO+ experiment: status and overview.
17.25-17.50	GUEDES, Renato: Charged Higgs bosons in single top production at the LHC.	SILARSKI, Michal: Search for the CP violating decay $K_s \rightarrow 3\pi^0$ with the KLOE detector.	PATTAVINA, Luca: Status of the CUORE experiment.
17.50-18.15	CELIS, Alejandro: $B \rightarrow D^{(*)} \tau \nu$ Decays in the 2HDM.	OYANGUREN, Arantza: Recent BABAR results on CP Violation in B decay analyses.	FARGION, Daniele: Radioactive UHECR painting TeVs Gamma Anisotropy and first PeV observed neutrinos.
18.15-18.40	GOMEZ, Mario E.: Charged Lepton Violation in future linear colliders.	KUPSC, Andrzej: Search for new physics in π^0 decays with WASA-at-COSY.	D'OLIVO, Juan Carlos: Three Neutrino Oscillations In The Earth: An Analytic Treatment.