

PASC WINTER SCHOOL

SESIMBRA - PORTUGAL, 19 -- 21 December 2009

Preliminary Programme

(on 17 December)

Lectures

19 December	20 December	21 December
9:00 – 9:50 Christophe Grojean New Physics at the LHC	9:00 – 9:50 Mauro Anselmino The Nucleon Structure	9:00 – 9:50 Filipe Abdalla Observational Cosmology
9:50 – 10:40 Mauro Anselmino The Nucleon Structure	9:50 – 10:40 Sergio Bertolucci LHC: The present status and the first Physics runs	9:50 – 10:40 Sergio Bertolucci LHC: The present status and the first Physics runs
10:40 – 11:00 Coffee Break	10:40 – 11:00 Coffee Break	10:40 – 11:00 Coffee Break
11:00 – 11:50 Stephen F. King Flavour Models	11:00 – 11:50 Stephen F. King Flavour Models	11:00 – 11:50 Filipe Abdalla Observational Cosmology
11:50 – 12:40 Christophe Grojean New Physics at the LHC	11:50 – 12:40 Alessandro De Angelis Gamma Astrophysics	11:50 – 12:40 Alessandro De Angelis Gamma Astrophysics
12:40 – 14:00 Lunch Break	12:40 – 14:00 Lunch Break	12:40 – 14:00 Lunch Break

Post-Doc and Student Contributions

14:00 Nuno Cardoso Chromo Fields in Lattice QCD	14:00 Ruben Conceição Pierre Auger Observatory: A physics challenge	14:00
14:15 Hugo Seródio Constraints on leptogenesis from a symmetry viewpoint	14:15 Eva Santos, Pierre Auger Observatory - Double ShellEvents	14:15
14:30 Catarina Simões Quark Texture Zeroes, Weak Bases and Symmetries	14:30 Pedro Assis An autonomous data acquisition system for cosmic rays	14:45
14:45 Marco Cardoso Study of the decay of tetraquarks	14:45 Dário Passos What makes the Sun sleep and wakeup?	
15:00 Pedro Ferreira Symmetries of models with many Higgs	15:00 Sofia Leitão Reactor anti-neutrino oscillations with SNO+	
15:15 Nicolás Bernal Dark matter detection prospects in the BMSSM	15:15 Luís Silva Delta G/G COMPASS results from high pT hadrons	
15:30 Coffee Break	15:30 Coffee Break	
16:00 João Esteves Dark Matter in minimal supergravity with type-II seesaw mechanism	16:00 Celso Franco Gluon polarisation from D ⁰ production at COMPASS	
16:15 M^a Catalina Espinoza CP violation from a combined Beta Beam and Electron Capture neutrino experiment	16:15 João Carvalho Monitoring systems for the TileCal detector in ATLAS/LHC	
16:30 Jordi Casanellas Giving light to dark matter using stars as physical laboratories	16:30 Pedro Ribeiro Probing a Universal Extra Dimension with the CMS experiment at the LHC	
16:45 Marina S. Chernakova Charged black holes and unusual wormholes in scalar-tensor gravity	16:45 Nuno Almeida Tau lepton in ttbar decays at the LHC	
17:00 Miguel Batista de Campos Dark matter and dark energy interaction	17:00 Pasquale Musella Wgamma production with early LHC data	
17:15 Pedro Castelo Ferreira Describing Local Matter in an Expanding Universe	17:15 Leonardo Antunes Pedro Search for the Charged Higgs in CMS at the LHC	
17:30 Maria Luisa F.G.V. Arruda The GAW project	17:30 Pedro Ferreira da Silva Probing New Physics with the Heavy Flavor Content of top quark events	
17:45 Miguel Pato Multi-messenger constraints on annihilating dark matter	17:45 André David CMS: last steps with cosmics, first step with beam	
18:00 Marta Silva Fast and Large Volume Simulations of the 21 cm Signal from the Reionization and pre-Reionization Epochs	** 20:30 Dinner Party	** ← Dinner Party The dinner party of the School: Sunday 20 Dec. , at 20.30 , in restaurant Ribamar , situated along the beach, 30 m from the Hotel.
18:15 Jorge B.Morgado Heliospheric Network, HI-SCALE		