

DATE	TIME	SPEAKER	TITLE
Dark Universe Workshop: Early Universe Cosmology, Baryogenesis and Dark Matter			
MONDAY Oct 21	9:00-10:00 am	REGISTRATION	
		COSMOLOGY	
	10:00-10:40 am	Jay Hubisz - Syracuse U.	Cosmology of Brane Worlds From Symmetry Principles
	10:40-11:10 am	COFFEE BREAK	
	11:10-11:50am	Ivonne Zavala - Swansea U.	Dark Energy and String theory
	11:50-12:30 pm	Ronaldo Batista - UFRN	Describing Warm Dark Matter with the Reduced Relativistic Gas
	12:30-3:00 pm	LUNCH	
	3:00-3:40 pm	Vesselin Gueorguiev	The Scale Invariant Vacuum Theory as viable Cosmology Model
	3:40-4:20 pm	DISCUSSION SESSION (Jay)	
	4:20-4:50 pm	COFFEE BREAK	
TUESDAY Oct 22		Non-Thermal Processes	
	10:00-10:40 am	Mariano Quirós - Barcelona, IFAE	Electroweak Baryogenesis and Dark CP violation
	10:40-11:10 am	COFFEE BREAK	
	11:10-11:50am	Rouzbeh Allahverdi - New Mexico U.	Nonthermal Dark Matter and Bayogenesis
	11:50-12:30 pm	Pasquale Di Bari - Southampton U.	A unified model of neutrino masses, dark matter and leptogenesis testable at Neutrino Telescopes
	12:30-2:30 pm	LUNCH	
		Short Talks	
	2:30-2:45 pm	Nathan Hering - U Pittsburgh	Particle Decay in the Expanding Spacetime of Post-Inflationary Cosmology
	2:45-3:00 pm	Otávio Alonso - IFT-UNESP	Probing Dark Matter properties using photometric surveys
	3:00-3:15 pm	Tessio Melo - UFPB	Dark Matter and Neutrino Masses in a 2HDM-U(1) model
	3:15-3:30 pm	Marcos Cardoso - UFRRJ	NMSSM and some cosmological consequences
	3:30-3:45 pm	Dorota Sokolowska - II-P/UFRN	Anomalous ZZZ coupling as a sign of dark CP violation in the Three-Higgs Doublet Model
	3:45-4:20 pm	DISCUSSION SESSION (Rouzbeh)	
4:30-5:30 pm	COFFEE BREAK & POSTER SESSION		

WED. Oct 23		Dark Matter and Colliders	
	10:00-10:40 am	Thiago Tomei - NCC, UNESP	Dark Matter Searches in CMS
	10:40-11:10 am	COFFEE BREAK	
	11:10-11:50am	Francesco D'Eramo - Padua U/ INFN, Padua	Displaced new physics at colliders and the pre-BBN universe
	11:50-12:30 pm	Genevieve Belanger - Annecy	Feebly interacting dark matter
	12:30-2:00 pm	LUNCH	
		IFT Colloquium	
	2:00-3:00 pm	Alejandro Ibarra - Munich, Tech U.	Review on Dark Matter
	3:00-3:30 pm	COFFEE BREAK	
	3:30-4:10 pm	Carlos Wagner - Argonne & Chicago U.	Higgs and Dark Matter physics in low energy Supersymmetry
		DISCUSSION SESSION (Francesco)	
THURSDAY Oct 24		Dark Matter Models and Astrophysical Uncertainties	
	10:00-10:40 am	Alfonso Zerwekh - Santa Maria U.	Dark Matter and Vector fields in non-trivial representations of SU(2) _L
	10:40-11:10 am	COFFEE BREAK	
	11:10-11:50am	Diego Restrepo - Antioquia U.	Simplest Dirac scotogenic model
	11:50-12:30 pm	Tania Robens - Boskovic Inst., Zagreb	Constraining the Inert Doublet Model at current and future colliders
	12:30-3:00 pm	LUNCH	
	3:00-3:40 pm	Alejandro Ibarra - Munich, Tech U.	Astrophysical Uncertainties on Local Dark Matter Searches
	3:40-4:20 pm	DISCUSSION SESSION (Tania Robens)	
4:20-4:50 pm	COFFEE BREAK		

Friday Oct 25		Susy & Compositeness	
	10:00-10:40 am	Antonio Delgado - Notre Dame U.	Higgsino DM from natural susy
	10:40-11:10 am	COFFEE BREAK	
	11:10-11:50am	Adam Martin - Notre Dame U.	Custodial Dark Pions
	11:50-12:30 pm	Sylvain Fichet - ICTP-SAIFR	The warped dark sector
	12:30-3:00 pm	LUNCH	
		Gravitational Waves and Dark Matter	
	3:00-3:40 pm	Riccardo Sturani - IIP/UFRN	Gravitational wave astronomy
	3:40-4:20 pm	Yang Bai - Wisconsin U.	Primordial Extremal Black Holes as Dark Matter
	4:20-4:50 pm	COFFEE BREAK	
	4:50-5:30 pm	Markus Luty, UC Davis	Almost Inert Higgs Bosons at the LHC
		DEPARTURE	

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