

Brookhaven Forum 2008 "Terra Incognita: From LHC to Cosmology"

Brookhaven National Laboratory, Upton, NY -- November 6-8, 2008

(All Talks in Building 510A)

Thursday, November 6, 2008		
PLENARY PROGRAM I, Large Seminar Room, Chair: Albert De Roeck		
8:45—9:00 a.m.	Director's Welcome	Sam Aronson
9:00—9:40 a.m.	"ATLAS Detector Status and Plans for Early Data"	James Cochran
9:40—10:20 a.m.	"Early Searches for New Physics in CMS"	Filip Moortgat
10:20—10:50 a.m.	Coffee Break (Large Seminar Lounge)	
PLENARY PROGRAM II, Large Seminar Room, Chair: Robert Shrock		
10:50—11:30 a.m.	"Taking the Lattice Beyond the Standard Model"	Tom Appelquist
11:30—12:10 p.m.	"Recent Developments in Dark Matter Detection and the Future Outlook"	Richard Gaitskell
12:10—2:00 p.m.	Lunch (Berkner Hall, Bldg. 488)	
2:00--3:20 p.m.		
Warped/Strong Dynamics (1) Location: 2-84 Chair: K. Holland	Flavor Physics (1) Location: 2-95 Chair: A. Weiler	SUSY (1) Location: Small Seminar Room Chair: S. Gopalakrishna
Y. Bai: "The Planck Scale From Top Condensation"	A. Azatov: "Flavor Violation Tests of Warped/Composite SM in the Two Site Approach. Part I"	C. Clement: "Search for SUSY in ATLAS"
E. Neil: "Lattice Study of the Conformal Window"	L. Zhu: "Flavor Violation Tests of Warped/Composite SM in the Two-Site Approach. Part II"	M. Endres: "N=1 Supersymmetric Yang-Mills Theory on the Lattice"
B. Batell: "Soft-Wall Standard Model"		T. Izubuchi: "Study of Flavor Diagonal CP Violations on Lattice"
3:20--3:50 p.m.		
Coffee Break (Large Seminar Lounge)		
3:50--5:10 p.m.		
PARALLEL SESSION II (Talks are 15' + 5' minutes)		
Exotics Location: 2-84 Chair: A. Kharchilava	Flavor Physics (2) Location: 2-95 Chair: U. Haisch	Tops and New Physics Location: Small Seminar Room Chair: L. Vecchi
D. Cutts: "Outside the Box – Tevatron Searches for Exotic Physics"	L. Piilonen: "Radiative B Decays at Belle and BaBar"	T. McElmurry: "QCD Corrections to $t\bar{t}$ -Z Production at LHC"
R. Gavin: "Light Color-Octet Scalars at the LHC"	I. Osipenkov: "Outlook for New Physics From B Factories"	J. Shelton: "Top Quark Polarization From New Physics"
A. Askew: "Searches for Exotica in CMS"	J. Morlock: "Hints for New Physics in Bs Studies at the Tevatron"	L. Almeida: "Top Jets at the LHC"
A. Ross: "Collider Signatures of a Light Scalar"	E. Lunghi: "Unitarity Triangle and New Physics"	J. Kile: "Model-Independent Constraints on Lepton-Flavor-Violating Top Decays"
5:30--6:30 p.m.		
BF2008 Reception		
7:00--8:00 p.m.		
BSA Distinguished Lecture: Professor Alan Guth (MIT) "Inflationary Cosmology: Is Our Universe Part of a Multiverse?"		Berkner Auditorium (Building 488)
8:00—9:00 PM		
BSA Reception		Berkner Lobby

Friday, November 7, 2008		
PLENARY PROGRAM I, Large Seminar Room, Chair: Jack Smith		
9:00—9:40 a.m.	"Recent Selected Results From the TeVatron"	Simona Rolli
9:40—10:20 a.m.	"Getting Ready for LHC Data: A QCD Status Report"	Frank Petriello
10:20—10:50 a.m.	Coffee Break (Large Seminar Lounge)	
PLENARY PROGRAM II, Large Seminar Room, Chair: George Sterman		
10:50—11:30 a.m.	"TeV-scale Measurements or What to Do With All That LHC Data"	Tilman Plehn
11:30—12:10 p.m.	"Issues in Low Energy Gauge Mediation Models"	Tom Banks
12:10--2:00 p.m.	Lunch (Berkner Hall, Bldg. 488)	

2:00--3:20 p.m. PARALLEL SESSION I (Talks are 15' + 5' minutes)		
Warped/Strong Dynamics (2) Location: 2-84 Chair: G. Fleming	The Higgs Location: Small Seminar Room Chair: D. Tucker-Smith	Flavor Physics (3) Location: 2-160 Chair: B. Nelson
A. Friedland: "RS2, AdS/CFT and Uparticles"	A. Kharchilava: "Tevatron results on Higgs searches"	A. Weiler: "The Flavor of the Holographic Pseudo-Goldstone Higgs"
L. Vecchi: "Dynamical Electro-weak Symmetry Breaking From Deformed AdS"	C. Sturm: "Two-loop electroweak corrections to Higgs production and decay at LHC"	M. Blanke: "Flavour Physics in a Warped Extra Dimension With Custodial Protection"
		U. Haisch: "Flavor in Warped Extra Dimensions"
K. Holland: "Dirac Eigenvalues in Nearly Conformal Gauge Theories"	M. Toharia: "Higgs-Radion mixing and enhanced diphoton signal"	M.C. Chen: "Minimal Lepton Flavor Violation in the Randall-Sundrum Model"
3:20--3:50 p.m.	Coffee Break (Large Seminar Lounge)	
3:50--5:30 p.m. PARALLEL SESSION II (Talks are 15' + 5' minutes)		
Particle Cosmology Location: 2-84 Chair: E. Lunghi	SM and Extensions @ Colliders Location: Small Seminar Room Chair: C. Clement	SUSY (2) Location: 2-160 Chair: M.C. Chen
S. Sarangi: "Cosmology With DBI"	D. Bourilkov: "Study of W, Z and WZ Production With Subsequent Decays to Electrons and Muons in CMS"	A. De Roeck: "Predictions for Supersymmetric Particle Masses Using Indirect Experimental and Cosmological Constraints"
D. Tucker-Smith: "Inelastic Dark Matter"	S. Quakenbush: "Z' Bosons On-peak, Off-peak, and Way Off-peak"	P. Batra: "The Supersymmetric Higgs"
I. Yavin: TBA (on Dark Matter)		B. Nelson: "Testing Gaugino Mass Unification at the LHC"
S. Gopalakrishna: "Hidden Sector Dark Matter and LHC Signatures"	J. Winter: "Sherpa Monte Carlo: Status and New Developments"	D. Morrissey: "Modified Higgs Decays in the NMSSM From Gauge and Gaugino Mediation"
L. McAllister: "Primordial Tensors in String Inflation"	T. Gadfort: "Discovery Potential for W' and Z' Gauge Bosons With The ATLAS Detector"	
6:30—8:30 p.m.	BF2008 Dinner	Berkner Cafeteria (Bldg. 488)

Saturday, November 8, 2008		
PLENARY PROGRAM I, Large Seminar Room, Chair: Sally Dawson		
9:00—9:40 a.m.	"Dark Energy-An Overview"	Christopher Stubbs
9:40—10:20 a.m.	"Strategies to Identify Boosted Tops"	Liantao Wang
10:20—10:50 a.m.	Coffee Break	
PLENARY PROGRAM II, Large Seminar Room, Chair: Christopher Stubbs		
10:50—11:30 p.m.	"Warped Geometry: Consequences and Signatures"	Lisa Randall
11:30—12:10 p.m.	"The Multiverse and Scale-Factor Cutoff Measure"	Alan Guth
END OF FORUM		