

**Brookhaven Forum 2010 "A Space-Time Odyssey"**  
**Brookhaven National Laboratory, Upton, NY -- May 26-28, 2010**

(All Talks in Building 510A)

<b>Wednesday, May 26, 2010</b>		
<b>PLENARY PROGRAM I, Large Seminar Room, Chair: L. Littenberg</b>		
9:00—9:10 a.m.	Director's Welcome	S. Aronson
9:10—9:15 a.m.	Organizers	A. Soni, H. Davoudiasl
9:15—9:55 a.m.	"Recent results from Tevatron in EW, Top, Higgs and New Physics"	L. Zivkovic
9:55—10:35 a.m.	"Highlights from Flavor Physics"	D. Tonelli
10:35—11:05 a.m.	Coffee Break	Large Seminar Lounge (Building 510A)
<b>PLENARY PROGRAM II, Large Seminar Room, Chair: M. Neubert</b>		
11:05—11:30 a.m.	"Evidence for anomalous same-sign dimuon charge asymmetry from D0"	D. Tsybychev
11:30—12:10 p.m.	"QCD for the LHC-era"	C. Anastasiou
12:10—2:00 p.m.	Lunch	Berkner Hall ( Bldg. 488)

<b>PLENARY PROGRAM III, Large Seminar Room, Chair: S. Blusk</b>		
2:00—2:40 p.m.	"The ATLAS Experiment: Status & First Results "	B. Heinemann
2:40—3:20 p.m.	"Highlights from CMS"	R. Erbacher
3:20—3:50 p.m.	Coffee Break	Large Seminar Lounge (Building 510A)
<b>3:50—5:30 p.m. PARALLEL SESSION (Talks are 15' + 5' minutes)</b>		
<b>Electroweak (I)</b> Location: 2-95 Chair: S. Snyder	<b>SUSY (I)</b> Location: 2-160 Chair: D. Feldman	<b>Flavor</b> Location: Small Seminar Room Chair: D Whiteson
N. Adam: "Early Prospects for Electroweak Physics in CMS"	M. Blanke: "The SUSY Sumrule - Testing Weak Scale Naturalness at the LHC"	C. Jessop: "Recent Highlights in CKM and CP physics from BaBar"
E. Furlan: " Precise Prediction for Higgs Production via Gluon Fusion through Many Heavy Quarks"	B. Tweedie: "Signals of an Sneutrino (N)LSP at the LHC"	S. Sekula: "Searches for New Physics in Rare Decays at Babar"
S. Agarwalla: "Ultra-precise Leptonic Measurement of Weinberg Angle with Neutrino-Electron Scattering at Low Energy"	B. Dev: "A New Class of SO (10) SUSY-GUT Models with TeV Scale W_R & Z"	D. Mohapatra: "Recent results from Belle Experiment"
P. Jaiswal: "Weak Corrections to Associated Higgs Production"		L. Zhang: "LHCb Early Results & Prospects: Final States Including Leptons"
		S. Blusk: "LHCb Early Results & Prospects: Hadronic Final States"
5:45—6:45 p.m.	BF2010 Reception	Large Seminar Lounge (Building 510A)
7:00 p.m.	<b>BSA Distinguished Lecture: Professor John Ellis (CERN)</b> "Answering Gauguin's questions in particle physics: Where are we coming from? What are we? Where are we going?"	Berkner Auditorium (Building 488) Hosted by Peter Wanderer

<b>Thursday, May 27, 2010</b>		
<b>PLENARY PROGRAM I, Large Seminar Room, Chair: H. Gordon</b>		
9:00—9:40 a.m.	"Higgs at the LHC – Still a Moving Target"	T. Plehn
9:40—10:20 a.m.	"Is it SUSY"	J. Lykken
10:20—10:50 a.m.	Coffee Break	Large Seminar Lounge (Building 510A)
<b>PLENARY PROGRAM II, Large Seminar Room, Chair: W. Marciano</b>		
10:50—11:30 a.m.	"Flavor structure beyond the SM"	M. Neubert
11:30—12:10 p.m.	"Hunting for Dark Matter with the Fermi Gamma-Ray Space Telescope"	B. Winer
12:10—2:00pm	Lunch	Berkner Hall (Building 488)
<b>2:00—3:40 p.m. PARALLEL SESSION I (Talks are 15' + 5' minutes)</b>		
<b>4th Generation</b> Location: 2-95 Chair:D. Mohapatra	<b>SUSY (II)</b> Location: 2-160 Chair:B. Tweedie	<b>BSM HIGGS</b> Location: Small Seminar Room Chair:M. Blanke
J. Conway: "Search for the Fourth Generation in CDF"	M. Trenkel: "Squark & Gluino Production at the LHC with EW NLO Contributions"	I. Low: "The Identity of the Higgs at the LHC"
D. Whiteson: "Search for SM Extensions at CDF"	H-S Lee: "Flavored Gauge Symmetry in SUSY"	L. Zhu: "Phenomenology of Coset Electroweak Gauge Bosons in Warped/Composite PGB Higgs"
O. Antipin: "Next Generation"	D. Feldman: "Dark Matter as a Guide to a Gluino Factory at the LHC"	A. Spray: "An Unusual Two Higgs Doublet Model from Warped Space"
S. Bar-Shalom: "Signals of a Composite Higgs & 4th Generation Fermions at the LHC"	J. Fan: "Dark Matter from Dynamical SUSY Breaking"	A. Azatov: "Higgs Phenomenology in the Warped Extra Dimensions"
3:40—4:10 p.m.	Coffee Break	Large Seminar Lounge (Building 510A)
<b>4:10—5:50 p.m. PARALLEL SESSION II (Talks are 15' + 5' minutes)</b>		
<b>Cosmology</b> Location: 2-95 Chair:J. Fan	<b>Electroweak (II)</b> Location: 2-160 Chair:S. Bar-Shalom	<b>QCD</b> Location: Small Seminar Room Chair:N. Adam
Y. Cui: "General Analysis of Anti-Deuteron as a Probe of Dark Matter"	J. Kraus: " BSM Searches at D0"	A. Bhatti: "QCD Physics from CMS"
C. Lunardini: "Neutrinos from Cosmological Sources"	S. Quackenbush: " Early Z Searches at the LHC"	S. Snyder: "Top physics at D0"
C. Hernandez: "The Large Underground Xenon Dark Matter Experiment"	Kim: "Distinguishing Dark Matter Stabilization Symmetries Using Multiple Kinematic Edges & Cusps"	L. Almeida: "RISMOM Schemes at 2 Loops"
P. Agrawal: "Is Dark Matter its own Anti-particle?"		R. Gavin: "Tools for DY at NNLO"
J. Kile: "Flavored Dark Matter & LHC"		C. Sturm: "Precise Charm- & Bottom-Quark Mass Determinations & Multi-loop Calculations to Polarization Functions"
6:30—8:30 p.m.	Dinner	Berkner Hall (Building 488)

<b>Friday, May 28, 2010</b>		
<b>PLENARY PROGRAM I, Large Seminar Room, Chair: J. Conway</b>		
9:00—9:40 a.m.	"Direct Searches for WIMP Dark Matter"	U. Oberlack
9:40—10:20 a.m.	"Astrophysical Probes of Particle Dark Matter"	M. Kaplinghat
10:20—10:50 a.m.	Coffee Break	Large Seminar Lounge (Building 510A)
<b>PLENARY PROGRAM II, Large Seminar Room, Chair: J. Ellis</b>		
10:50—11:30 a.m.	"Neutrino Physics: What is Next?"	A. Smirnov
11:30—12:10 p.m.	"The Next 10 Years: Chaos or Illumination"	P. Oddone
<b>**END OF FORUM**</b>		

\*If you are in need of assistance, please contact the conference coordinator, Nicole Kelly, (631) 344-3807.

