

Pheno 2012 Parallel Sessions

Monday, May 7

	Cosmology Lawrence 120 Chair: Jennifer Kile	SUSY I Lawrence 121 Chair: Felix Yu	Higgs I Lawrence 104 Chair: Tong Li	Flavor I Lawrence 105 Chair: Bhubanjyoti B.	Top I Lawrence 106 Chair: Brian Yencho	BSM I Lawrence 107 Chair: Vladimir Savinov	SM/EW Lawrence 207 Chair: Stefano Di Chiara	
2:00-2:15	Dark Matter, Infinite Statistics and Quantum Gravity Djordje Minic	Inclusive searches for supersymmetric signatures with the ATLAS detector Devin Harper	Pseudo-Higgs signals at LHC Linda Carpenter	Model Independent Constraints on New Physics in $b \rightarrow s$ Transitions Wolfgang Altmannshofer	Top quark pair production cross-section with ATLAS Dustin Urbaniec	Search for Heavy Stable Charged Particles at CMS Venkatesh Veeraraghavan	Jet Production Measurements with ATLAS Trisha Farooque	2:00-2:15
2:15-2:30	Dark Matter as the Trigger of Strong Electroweak Phase Transition Yue Zhang	A Search for New Physics in Events with Jets and Missing Energy in pp Collisions at 7 TeV Hongxuan Liu	A 125 GeV Higgs Boson in the MSSM from Strongly Coupled Spectators Jason Evans	Hadronic charmless B decays David Dossett	Squeezed new physics in top-quark pair production Susanne Westhoff	Quark lepton unification in higher dimensions Satyanarayan Nandi	Study of the di-jet mass spectrum in association with a W boson Jake Anderson	2:15-2:30
2:30-2:45	CMB constraints on WIMP dark matter Aravind Natarajan	Searches for third generation squarks with the ATLAS detector Bart Butler	Can the scale-invariant NMSSM naturally give higgs mass of 125 GeV? Yanou Cui	CP Conserving and Violating Observables in the Charmless Three Body B Meson Decays $B \rightarrow VP_1 P_2$ Murugeswaran Duraisamy	The Forward-Backward Top Asymmetry in a Singlet Extension of the MSSM Alejandro De La Puente	Heavy Gauge Boson Decays at the LHC in the Simplest Higgs Matthew Bishara	W/Z production and properties Anton Kapliy	2:30-2:45
2:45-3:00	Dark energy from a renormalization group flow Irina Mocioiu	Search for long-lived massive particles with the ATLAS detector Christopher Marino	Dark Z implications for Parity Violation, Rare Meson Decays, & Higgs Physic Hooman Davoudiasl	Measurement of ϕ_s Bilas Pal	Tevatron Top A_{FB} versus LHC Top Physics Ian-Woo Kim	Left-right models and flavor Monika Blanke	Physics with electroweak gauge bosons at LHCb Philip Ilten	2:45-3:00
3:00-3:15	Probing alternative theories of gravity with gravitational wave detection from pulsar timing arrays Sydney Chamberlin	Search for Supersymmetry in Events with Photons and Missing Transverse Energy Yueh-Feng Liu	Enhanced SU(2) D-term and Higgs Diphoton Decay Branching Ratio Ran Huo	Search for New Physics with exclusive electroweak FCNC decays of B(s) mesons. Gregory Ciezarek	Parity violation constraints on top forward-backward asymmetry Sean Tulin	Lepton Number Violation and W' Chiral Couplings at the LHC Richard Ruiz	Diboson production and TGCs from ATLAS Laura Jeanty	3:00-3:15
3:15-3:30	Neutrino Cosmology Redux Luis Anchordoqui	Measuring Particle Masses From Missing Energy Signatures without Using Missing Energy Michael Park	LHC Discovery Potential for Non-Standard Higgs Bosons in the 3b Channel Arjun Menon	The Z' contribution in the Bs meson mixing and the recent LHCb result Seodong Shin	Top Pair Forward-Backward Asymmetry from Loops of New Strongly Coupled Quarks Tom McElmurry	Determination of Spin and Present Bounds on New Resonances in Electroweak Gauge Boson Pair Production at the LHC J. Gonzalez-Fraile	Diboson physics at CMS Irakli Svintradze	3:15-3:30
3:30-3:45	Gravitational Wave Parameter Estimation as a Test of General Relativity Madeline Wade	Boosted Tops from Gluino Decays Michael Saelim	The Dark Side of the Higgs Gabe Shaugnessy	Soft Photon Contributions to $B_s \rightarrow \mu^+ \mu^-$ Kristopher Healey	On W+4 jets background to the top-quark asymmetry at the Tevatron Yoshitaro Takaesu	Kinematic Edges with flavor oscillation and non-zero widths Mario Martone	Measurement of Drell-Yan Cross Section Alexey Svyatkovskiy	3:30-3:45
3:45-4:00		Finding Light Stops with Fat Jets Stolarski Daniel	Top Decays with Flavor Changing Neutral Higgs Interactions at the LHC Chung Kao		MSSM loop effects to top-quark pair observables at Hadron colliders Stefan Berge		Direct Photons at ATLAS Regina Caputo	3:45-4:00
	Cosmology Lawrence 120	SUSY I Lawrence 121	Higgs I Lawrence 104	Flavor I Lawrence 105	Top I Lawrence 106	BSM I Lawrence 107	SM/EW Lawrence 207	

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	Dark Matter I Lawrence 120 Chair: Djordje Minic	SUSY II Lawrence 121 Chair: Sogee Spinner	Higgs II Lawrence 104 Ch: Gabe Shaughnessy	Flavor II Lawrence 105 Chair: Susanne Westhoff	Top II Lawrence 106 Chair: Tom McElmurry	BSM II Lawrence 107 Chair: Stefania Gori	Extra Dimensions Lawrence 207 Chair: Haibo Yu	
4:30-4:45	Dynamical Dark Matter: A New Framework for Dark-Matter Physics Brooks Thomas	pMSSM SUSY Without Prejudice at LHC-7 & -8 Thomas Rizzo	Characterization of a single-produced Resonance at the LHC: Prospects for 2012 and Beyond Andrew Whitbeck	Charm mixing and CPV Artur Ukleja	Top Quark Pair Properties with ATLAS Venkrat Kaushik	Limits on the pions of strong dynamics models from LHC Higgs searches Jing Ren	Quantum Corrections in the 5D (Supersymmetric) Space Lu-Xin Liu	4:30-4:45
4:45-5:00	Dark matter in 3D Sonia El Hedri	More pMSSM SUSY Without Prejudice at LHC-7 and -8 Ahmed Ismail	Can we see a light Higgs in WW* ? Joshua Sayre	New Physics Models of Direct CP Violation in Charm Decays Reinard Primulando	Azimuthal Correlations in Top Pair Decays and the Effects of New Heavy Scalars Brian Yencho	Technicolor Assisted Leptogenesis with an Ultra-Heavy Higgs Doublet Ian Lewis	Chiral Symmetry in Holographic QCD Dylan Albrecht	4:45-5:00
5:00-5:15	KeV Warm Dark Matter and Composite Neutrinos Dean Robinson	Phenomenology of Natural SUSY Xerxes Tata	Higgs Hunting with Boosted Jets Mihailo Backovic	Direct CP-violation in charmed meson decays Alexey Petrov	Massive Spin-2 States as the Origin of the Top Quark Forward-Backward Asymmetry Christopher Murphy	Z1 production via Vector Boson Fusion at the LHC in the four-site Higgsless Model Andrew Stump	The Birds and the Bs in RS: the b to s gamma penguin in a warped extra dimension Philip Tanedo	5:00-5:15
5:15-5:30	Novel Astrophysical Constraint on Axion-Photon Coupling Maurizio Giannotti	Natural Supersymmetry Constraints from Dark Matter Bibhushan Shakya	Physics with Tau Lepton Final States in ATLAS Marcus Morgenstern	CP asymmetries in $D^0 \rightarrow 2$ Pseudoscalar decays Bhubanjyoti Bhattacharya	One-loop Helicity Amplitudes for Top Quark Pair Production in Randall-Sundrum Model Liang Dai	Search for contact interactions in the dimuon final state at CMS Sowjanya Gollapinni	Constraining Fermion Bulk Mass in Flat Extra Dimensions Guiyu Huang	5:15-5:30
5:30-5:45	Dark Matter Direct Search Rates in Simulations of the Milky Way and Sagittarius Stream Chris Purcell	Constraints on Supersymmetric Hidden Sectors Andrew Spray	Higgs and Precision Electroweak Data Brian Batell	Hadronic B decays to Open Charm Michael Williams	The Top Quark Forward Backward Asymmetry, Right Handed Charge Currents, and Vub Peter Winslow	Higgs and $t\bar{b}q$ productions as a probe of effective operators involving the top or the Higgs boson Celine DeGrande	Phenomenology of the Soft Wall Bryan Ostdiek	5:30-5:45
5:45-6:00	Millicharged Atomic Dark Matter Zuowei Liu	LHC Implications for NMSSM Zhen Liu	Measuring Higgs Couplings Tilman Plehn	Search for New Physics with rare leptonic decays of B(s), D and K mesons Xabier Cid Vidal	GUT-Inspired Scalar Models and the $t\bar{b}q$ Forward-Backward Asymmetry David Stone	Searching for New Physics with Electroweak Effective Operators Harrison Mebane	An Explicit Model of Dynamical Dark Matter from Extra Dimensions Brooks Thomas	5:45-6:00
6:00-6:15	Dark Matter Considerations in the E(6)SSM Jonathon Hall	The CMSSM and the NUHM in Light of new LHC Limits Enrico Maria Sessolo	Jet scaling for vetos in Higgs searches Erik Gerwick	Flavor SU(3) Analysis of D-meson Decays Patipan Uttayarat		Low-energy imprints of extended gauge symmetries Michal Malinsky	TeV scale gravity at the LHC Dejan Stojkovic	6:00-6:15
6:15-6:30	WIMPlless dark matter in Anomaly Mediated SUSY breaking Vikram Rentina		Higgs Hunting with Minimal Prejudice Jamison Galloway	Heavy Flavour Production and Spectroscopy Jianchun Wang			It is a Graviton! or maybe not Ricky Fok	6:15-6:30
	Dark Matter I Lawrence 120	SUSY II Lawrence 121	Higgs II Lawrence 104	Flavor II Lawrence 105	Top II Lawrence 106	BSM II Lawrence 107	Extra Dimensions Lawrence 207	

Pheno 2012 Parallel Sessions

Tuesday, May 8

	Dark Matter II Lawrence 120 Chair: Arthur Kosowsky	SUSY III Lawrence 121 Chair: Jamie Gainer	Higgs III Lawrence 104 Chair: Andreas Ross	QCD/Tools Lawrence 105 Chair: Ryan Gavin	Top III Lawrence 106 Chair: Chuan-Ren Chen	SUSY V Lawrence 107 Chair: Andrew Spray	GUT/String Lawrence 207 Chair: Ian-Woo Kim	
2:00-2:15	Recent results from a search for Dark Matter production in the CMS experiment Shruti Shrestha	Collider signatures of goldstini in gauge mediation Kentarou Mawatari	Associated Higgs plus vector boson test of a fermiophobic Higgs boson Zack Sullivan	Update on MG5 Olivier Mattelaer	Search for Fourth Generation Top-Like Quarks in the Lepton-plus-Jets Channel at CMS Michael Luk	A Naturally Attractive Supermodel Timothy Cohen	Some curious consequences of the minimal length uncertainty relation Tatsu Takeuchi	2:00-2:15
2:15-2:30	Taking a Razor to Dark Matter Parameter Space at the LHC Chiu-Tien Yu	LHC Signatures of Light Gauginos in String Motivated Models Bob Zheng	Light top partners for a light composite Higgs Giuliano Panico	FEWZ: A Fully Exclusive Numerical Code for QCD and EW Correction to Drell-Yan Process Ye Li	Single- vs multiple-Higgs production: a portal on heavy top-partners Elisabetta Furlan	Displaced Supersymmetry Prashant Saraswat	String Theory Predictions for The Higgs Boson Mass and Dark Matter Ran Lu	2:15-2:30
2:30-2:45	Using M_{T2} to Distinguish Dark Matter Stabilization Symmetries Doojin Kim	Higgs and Sparticle Spectroscopy in Yukawa Unified Models Shabbar Raza	Discovering the composite Higgs through the decay of a heavy fermion Natascia Vignaroli	Weak boson production via vector-boson fusion @ NLO matched with POWHEG Franziska Schissler	Studying hadronically decaying particles using photons and leptons Yevgeny Kats	Excluding Electroweak Baryogenesis in the MSSM Prerit Jaiswal	Insensitive Unification of Gauge Couplings Radovan Dermisek	2:30-2:45
2:45-3:00	Cracking the dark matter code at the LHC Won Sang Cho	125 GeV Higgs Boson from t-b-tau Yukawa Unification Ilia Gogoladze	A composite Higgs at high q^2 Heather Logan	Correlations in Double Parton Scattering Wouter Waalewijn	Multi-lepton signals from the top-prime quark at the LHC Mathew McCaskey	Supersymmetric Non-Linear Sigma Model in 5 Dimensional Anti-de Sitter Space Jingsheng Li	Symmetry breaking in 5D SU(6) GUT L.T. Handoko	2:45-3:00
3:00-3:15	Kinematic Cusps to determine the slepton and LSP masses at the ILC Stefanus	The Higgs to gamma-gamma rate as a probe of Susy Marcela Carena	Structure of derivative interactions in N pseudo Nambu Goldstone Higgs doublet models Yasuhiro Yamamoto	Strange Quark PDFs and Implications for W/Z Boson Production at the LHC Aleksander Kusina	Diquark effect on single top production at LHC Santosh Rai	Vectorlike quarks in gauge-mediated supersymmetry breaking Stephen Martin	SU(6) GUT breaking on a Projective Plane Archana Anandakrishnan	3:00-3:15
3:15-3:30	Iso-spin violating dark matter at the LHC Toshifumi Yamada	MSSM Higgs Signals in Pair Production at the LHC Tong Li	The other Higgses, at resonance, in the Lee-Wick extension of the Standard Model Terrance Figy	MadGolem: Automating NLO calculations for New Physics David Lopez-Val	Measuring Coloron Couplings Through Associated Production with W Bosons at the LHC Pawin Ittisamai	The Focus Point for Non-Zero A David Sanford	Astronomical Searches for Warped Extra Spatial Dimensions Michael Kavic	3:15-3:30
3:30-3:45	Searching for super-WIMPs in leptonic heavy meson decays Aditya Yechan Gunja	Stoponia and Higgs Bosons Andrew Blechman	Higgs and Collider Phenomenology of Models with Additional Lepton Generations Pedro Schwaller	Automatic Lagrangian Generation Nicholas Setzer	Effects of an Extended Color Sector on $gg \rightarrow h$ Roberto Vega-Morales	SUSY Breaking in S-Confining Theories John Mason	Holographic walking technicolor and stability of technibranes Tonnis Ter Veldhuis	3:30-3:45
3:45-4:00	Inelastic Dark Matter and Small Majorana Neutrino Mass Bhupal Dev	BEST: Bi-Event Subtraction Technique, SUSY Mediation Schemes, and Stop/Top/W Masses at the LHC Kuver Sinha				TBA Azar Mustafayev		3:45-4:00
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Tuesday, May 8

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4:30-4:45	Vector Boson dark matter at the LHC Subhaditya Bhattacharya	Direct stau production at the LHC Jonas Lindert	Phenomenology of Two Sterile Neutrinos with Widely Separated Masses Samuel McDermott	NLO+PS predictions for Wjj production at the Tevatron Rikkert Frederix	Top Quark Properties with ATLAS Arely Cortes Gonzalez	Searches for direct supersymmetric gaugino production and R-parity violation in final states with leptons with the ATLAS detector Hideki Okawa		4:30-4:45
4:45-5:00	Dark Matter From Weak Polyplets Jennifer Kile	Significance of a Possible 125 GeV Higgs on the Light Stop Sector Jonathan Eckel	Model independent determination of the axial mass in quasielastic neutrino-nucleon scattering Gil Paz	NLO QCD corrections to pp/ppbar -> WWbb with leptonic W decays Stefan Dittmaier	Search of new physics in the top quark sector at CMS Victor Bazterra	SUSY with Broken Baryon Number: Higgs and the LHC Sogee Spinner		4:45-5:00
5:00-5:15	Multipurpose Monojets: Dark Matter and Neutrinos at the LHC Ian Shoemaker	Improved search of light third-generation squarks Sunghoon Jung	A "Grand" Delta(96) Flavor Symmetry and a Large Prediction for the Reactor Neutrino Mixing Angle Alexander Stuart	NLO predictions for a Z boson + photons final states at hadron colliders Heribertus Hartanto	Measurements of single top quark production with the ATLAS detector Robert Calkins	R symmetry as lepton number Claudia Frugiuele		5:00-5:15
5:15-5:30	A model-independent analysis of dark matter direct detections Yiming Xu	Impact of LHC Searches on a Light Top Squark: Model-Independent Analysis Bin He	Lepton Private Higgs and the discrete group $\Sigma(81)$ Yoni Bentov	NLO QCD effects on quark compositeness search at LHC Jun Gao	Top quark forward-backward asymmetry and single-top Chuan-Ren Chen	Spontaneous R-symmetry Breaking with Multiple Pseudomoduli Yuhsin Tsai		5:15-5:30
5:30-5:45	New Phenomenology from Dark Sectors Felix Yu	Trilepton Signatures in the General MSSM James Gainer	Corrections to the atmospheric neutrino mixing from charged Higgs and W' contribution to ν_τ-nucleon scattering Ahmed Rashed	Combination of Electroweak and QCD Effects to Charged and Neutral Current Drell Yan Cathy Bernaciak	Searching for New Physics from the Top Chien-Yi Chen	Automated sgluon pair production to NLO Dorival Goncalves Netto		5:30-5:45
5:45-6:00	Oscillating Asymmetric Dark Matter Hai-Bo Yu	Sqrt(shat) resurrected Tania Robens	Measurement of theta13 via antineutrino disappearance using two theories Leonard Kisslinger	Discovering Technicolor Stefano Di Chiara	Boosted tops as a window to new physics Michihisa Takeuchi	NLL soft and Coulomb resummation for squark and gluino production at the LHC Christopher Wever		5:45-6:00
6:00-6:15	Asymmetric Dark Matter in a Stueckelberg Extension Gregory Peim	Lepton Flavor Violation at the Large Hadron Collider Abram Krislock		Tracking the Identities of Boosted Particles Zhenyu Han	Reach for W' Production through Single Top Decay at LHC Daniel Duffty	SCET improved SUSY search Xiaohui Liu		6:00-6:15
6:15-6:30	Singlet-Doublet Dark Matter Jack Kearney				Top quark forward-backward asymmetry and W^prime bosons Hao Zhang			6:15-6:30
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