

Joint Meeting of Pacific Region Particle Physics Communities

Monday 30 October 2006

Beyond the SM (includes model building and new particle searches) - Oahu/Wailua Room

(10:00-12:00)

- **Conveners: Dr. ASAI, Shoji; Dr. CONWAY, John; Dr. CSAKI, Csaba; Dr. OKADA, Yasuhiro**

Higgsless Models -- Chair: John Conway

[Click here to view abstracts and presentation materials for this session.](#)

Time	Title	Presenter
10:00	A Three Site Higgsless Model	SIMMONS, Elizabeth
10:25	One-Loop Corrections to S-Parameter in a Three Site Higgsless Model	CHIVUKULA, R. Sekhar
10:50	One-Loop Corrections to T-Parameter in a Three Site Higgsless Model	MATSUZAKI, Shinya
11:05	One Loop Corrections to S, T and U from Massive Vector Gauge Bosons in Extra-dimensional Models	JACKSON, Chris
11:25	Electroweak Symmetry Breaking without Higgs Bosons at ATLAS	TAKASHIMA, Ryuichi
11:45	Search for Heavy Top in CDF	IVANOV, Andrew

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(13:30-15:30)

Extra Dimensions and Little Hierarchy 1 -- Chair: Tomio Kobayashi

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Time	Title	Presenter
13:30	A model for neutrino and charged lepton masses in extra dimensions	NANDI, Satyanarayan
13:50	Search for New Physics with the CMS Detector in Dilepton and Diphoton Final States	BOURILKOV, Dimitri
14:05	Search for excited quarks and leptons in DO	MILLET, Thomas
14:20	Search for large extra dimensions and for heavy resonances in dilepton, diphoton and electron + missing ET final states with the DO detector	MAGASS, Carsten
14:35	Quark-Lepton Symmetry in Five Dimensions.	MCDONALD, Kristian
14:50	Collider signatures of warped extra dimensions	SONI, Amarjit
15:10	CATFISH: A Monte Carlo Simulator for Black Holes at CMS	GODANG, Romulus

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(16:00-18:20)

Extra Dimensions and Little Hierarchy 2 -- Chair: Kingman Cheung

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Time	Title	Presenter
16:00	Sensitivity of the ATLAS Experiment to Extra Dimensions	GOUGH ESCHRICH, No
16:15	Large gauge hierarchy in gauge-Higgs unification	TAKENAGA, Kazunori
16:30	Little M-theory	THALER, Jesse
16:50	Bounds on the Electroweak Chiral Lagrangian from Unitarity and Analyticity	GRINSTEIN, Benjamin
17:15	Leptogenesis at the TeV Scale in Brane World Cosmology	KANEHATA, Yoshimi
17:30	Search for invisible decays of ortho-positronium	NAMBA, Toshio
17:45	Black Hole Production at Colliders	ODA, Kin-ya
18:00	RS Black Holes	LANDSBERG, Greg

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(08:00-10:00)

- Conveners: Dr. ASAI, Shoji; Dr. CONWAY, John; Dr. CSAKI, Csaba; Dr. OKADA, Yasuhiro

Supersymmetry 1 -- Chair: Nobuchika Okada

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Time	Title	Presenter
08:00	Hints for Low Supersymmetry Scale from Analysis of Running Couplings	BOURILKOV, Dimitri
08:15	New Two-loop Contributions to Hadronic EDMs in the MSSM	NAGAI, Minoru
08:30	Search for third generation squarks and for generic squarks and gluinos with the DO detector	MAKOVEC, Nicola
08:45	Search for supersymmetry in trilepton final states with the DO detector	MUNDAL, Olav
09:00	Search for R-parity violating supersymmetry with the DO detector	ADAMS, Todd
09:15	Search for supersymmetry with the DO detector: GMSB, AMSB and Split SUSY	EADS, Michael
09:30	Mediation of supersymmetry breaking in gauge messenger models	KIM, Hyung Do

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Supersymmetry 2 -- Chair: Jack Gunion

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Time	Title	Presenter
10:30	Weak Interactions of Supersymmetric Staus at High Energies	USCINSKI, Jessica
10:45	Measurement of Missing Et in the the ATLAS Detector	OE, Kenta
11:00	Stau-Neutralino Coannihilation and Colliders	DUTTA, Bhaskar
11:15	Violations of the Narrow Width Approximation in SUSY	BERDINE, Daniel
11:30	Charged Higgs boson decay in supersymmetric TeV scale seesaw model	CHO, Gi-Chol
11:45	Supersymmetry and Lorentz invariance as low-energy symmetries in a fundamental statistical theory	ALLEN, Roland
12:00	SUSY Searches with the ATLAS Experiment at the LHC	VAHSEN, Sven

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Supersymmetry 3; Cosmology -- Chair: Michael Graesser

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Time	Title	Presenter
14:00	Search for Anomalous Production of Multi-lepton Events at CDF	ATTAL, Alon
14:15	Search for charged massive stable particles at CDF-II	PHILLIPS, Thomas
14:30	Search for Delayed Photons	GONCHAROV, Maxim
14:45	Searches for Chargino-Neutralino Associated Production in Multilepton Channels	BORTOLETTO, Daniela
15:00	CDF Searches for New Physics with Photons	CULBERTSON, Raymond
15:30	XMASS, Status of 800 kg detector design.	ABE, Ko
15:45	Non-perturbative Effect to Thermal Relic Abundance of Dark Matter	MATSUMOTO, Shigeki

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Supersymmetric Higgs -- Chair: Jonh Conway

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Time	Title	Presenter
16:30	Phenomenology of light pseudoscalar Higgs boson in NMSSM	CHEUNG, Kingman
16:50	Reconstruction and identification of Taus in the First Data from ATLAS	BISCHOFBERGER, Markus
17:05	A Search for MSSM Neutral Higgs Bosons Decaying into tau Pairs at DO	TORCHIANI, Ingo
17:20	Search for MSSM Neutral Higgs Bosons in multi jet Events at DO	HAAS, Andrew
17:35	Search for neutral MSSM Higgs bosons in the Tau Tau decay channel	CUENCA ALMENAR, Cristobal
17:50	The NMSSM $h \rightarrow a$ Decay Scenario and the elimination of fine tuning	GUNION, John

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Technicolor and Compositeness -- Chair: Rob Harris

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Time	Title	Presenter
08:15	Search for leptoquarks with the DO detector	UZUNYAN, Sergey
08:30	CMS Sensitivity to Contact Interactions using Dijets	ESEN, Selda
08:45	Multi-lepton production at HERA	OKAZAKI, Nao
09:00	Search for Third Generation Vector Leptoquarks at CDF	SOHA, Aron
09:15	Search for Technicolor particles in association with W boson at CDF	MASUBUCHI, Tatsuya
09:30	Searching for Compositeness with ATLAS	DE, Kaushik
09:45	Behavior of the S parameter in the crossover region between walking and QCD-like regimes of an SU(I) gauge theory	KURACHI, Masafumi

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Exotic Models -- Chair: Benjamin Grinstein

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Time	Title	Presenter
10:30	CMS Sensitivity to Dijet Resonances	HARRIS, Robert
10:45	Dimension-six top-Higgs interaction and its effect in collider phenomenology	TSUMURA, KOJI
11:00	Search for W Boson in the Top Quark Decay Channel at the DO Experiment	VACHON, Brigitte
11:15	Model-independent search for new physics at CDF	CHOUDALAKIS, Georgios
11:30	Discovery Potential of ATLAS for Extended Gauge Symmetries	NAITOU, Daisuke
11:45	Right-handed Neutrinos and Decay of the Higgs Boson	GRAESSER, Michael

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Constraints from Flavor Physics -- Chair: Nobuchika Okada

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14:00	$B \rightarrow \tau \nu$ in Babar	JACKSON, Paul
14:15	Leptonic B Decays at BaBar	CHEN, Ed
14:30	Rare B decays with missing energy at Belle	PIILONEN, Leo
14:45	Detecting Higgs Bosons in B_s Decays and Direct Searches	KAO, Chung
15:00	Search for Lepton Flavor Violating processes with the Fermilab KTeV experiment	RAY, Ronald
15:15	Search for $B_{s(d)} \rightarrow \mu^+ \mu^-$ and $B_{s(d)(u)} \rightarrow \nu^+ \mu^- X$ Decays at CDF	WEINBERGER, Michael
15:30	ATLAS preparations for precise measurements in $B \rightarrow e \mu e$	KONO, Takanori
15:45	Search for rare flavor-changing and electroweak penguin decays of the B_s meson at Dzero	FIEDLER, Frank