

Tuesday, 31.07.2007

| Alternatives, Small Auditorium B | | |
|---|--|---|
| Tuesday, 31.7.2007 | | |
| <i>Chairperson: to be announced</i> | | |
| 14:00-14:20 | Renormalizable 1/N Expansion for Field Theories in Extra Dimensions | Grigory Vartanov (Joint Inst. for Nuclear Research) |
| 14:20-14:40 | Dynamical breakdown of Abelian gauge chiral symmetry by strong Yukawa interactions | Petr Benes (Prague) |
| 14:40-15:00 | Hidden fermion as milli-charged Dark Matter in Stueckelberg Z' model | Tzu-Chiang Yuan (National Tsing Hua Univ.) |
| 15:00-15:20 | Novel signals in unparticle physics | Kingman Cheung (Natl Tsing Hua Univ) |
| 15:20-15:40 | Noncommutative Higgs and/or Dark Matter Sectors | Xavier Calmet (Bruxelles) |
| 15:40-16:00 | Conformal Symmetry and the Standard Model | Krzysztof Meissner (Warsaw) |
| 16:00-16:30 | coffee break | |
| <i>Chairperson: to be announced</i> | | |
| 16:30-16:50 | A New Extension of the Standard Model | Satyanarayan Nandi (Oklahoma State Univ.) |
| 16:50-17:10 | Supersymmetry breaking by constant boundary superpotentials in warped space | Nobuhiro Uekusa (Helsinki) |
| 17:10-17:30 | Exotic Isosinglet Quarks and Squarks at the LHC | Brent Nelson (Northeastern Univ.) |
| 17:30-17:50 | MPP inspired Two-Higgs Doublet Model | Roman Nevzorov (Glasgow) |
| 17:50-18:10 | Contact Interactions at the LHC | Monica Acosta (CERN) |
| 18:10-18:30 | Trigger Strategy for Alternative signatures at the LHC | Tulika Bose (Brown) |

| Cosmology, Lehmann-Auditorium | | |
|--------------------------------------|--|--|
| Tuesday, 31.7.2007 | | |
| <i>Chairperson: to be announced</i> | | |
| 14:00-14:20 | Extremely Long Lived Charged Massive Particles as A Probe of the Early Universe | Fumihiro Takayama (Cornell Univ.) |
| 14:20-14:40 | Supersymmetry, Dark Matter, and Dark Energy | Lisa Everett (Univ. of Wisconsin) |
| 14:40-15:00 | Robustness of quintessence models against quantum corrections | Mathias Garny (MPI for Nuclear Physics) |
| 15:00-15:20 | A New Constraint System Applied to Modifying Gravity | Daniel Chung (Univ. of Wisconsin) |
| 15:20-15:40 | Primordial nucleosynthesis as a probe of fundamental physics parameters | Thomas Dent (Heidelberg) |
| 15:40-16:00 | Low energy particle physics and cosmology of Nonlinear Supersymmetric General Relativity(NLSUSUGR) | Kazunari Shima (Saitama Inst. of Technology) |

| Flavor Physics, Eiermann-Auditorium | | |
|---|--|---|
| Tuesday, 31.7.2007 | | |
| <i>Chairperson: Steven Robertson, Stephanie Trine</i> | | |
| 14:00-14:20 | Study of annihilation and radiative decays of heavy mesons at Dzero | D0 Collaboration |
| 14:20-14:40 | Search for Rare B and D Hadron Decays at CDF | Philipp Mack (KIT) |
| 14:40-15:00 | Study of the decay $B_s \rightarrow J/\psi \phi$ at CMS and ATLAS | Stefan König (Aachen) |
| 15:00-15:20 | Rare B decays at LHCb | Michela Lenzi (INFN) |
| 15:20-15:40 | Recent progress on supersymmetric effects in rare K decays | Christopher Smith (Bern) |
| 15:40-16:00 | Flavour symmetries and the SUSY soft-breaking sector: EDMs and FCNCs | Oscar Vives (Valencia) |
| 16:00-16:30 | coffee break | |
| <i>Chairperson: George Hou, Michal Kreps</i> | | |
| 16:30-16:50 | Unitarity Triangle analysis beyond the Standard Model: general analysis and constraints on specific models | Maurizio Pierini (Univ. of Wisconsin) |
| 16:50-17:10 | Searching for new physics using CP conserving and CP violating B_s mixing parameters at Dzero | James Walder (Lancaster) |
| 17:10-17:30 | Lifetime Difference and CP Asymmetry in the $B_s^0 \rightarrow J/\psi \phi$ Mode | Thomas Kuhr (KIT) |
| 17:30-17:50 | Study of DiMuon Rare Beauty decays with ATLAS and CMS | Antonio Policicchio (Universita degli Studi della Calabria) |
| 17:50-18:10 | Time-dependent CP asymmetries in B_s decays at LHCb | Johan Blouw (MPI) |
| 18:10-18:30 | Prospects for a high-luminosity Super B Factory | David MacFarlane (SLAC) |

| Theoretical Models, Jordan-Auditorium | | |
|---|---|---|
| Tuesday, 31.7.2007 | | |
| <i>Chairperson: to be announced</i> | | |
| 14:00-14:20 | Local SUSY-breaking minima in $N_f = N_c$ SCQD? | Andrey Katz (Israel Inst. of Technology) |
| 14:20-14:40 | A natural renormalizable model of metastable SUSY breaking | Felix Brümmer (Heidelberg) |
| 14:40-15:00 | O’Raifeartaigh models with spontaneous R-symmetry breaking | Luca Ferretti (SISSA/ISAS) |
| 15:00-15:20 | Metastable Dynamical Supersymmetry Breaking near Points of Enhanced Symmetry | Rouven Essig (Rutgers Univ.) |
| 15:20-15:40 | Blowups of heterotic orbifolds using toric geometry | Stefan Groot Nibbelink (Heidelberg) |
| 15:40-16:00 | Phenomenology of large volume models in type IIB string theory | Kerim Suruliz (Cambridge) |
| 16:00-16:30 | coffee break | |
| <i>Chairperson: to be announced</i> | | |
| 16:30-16:50 | Effective Action of Domain Wall Networks | Norisuke Sakai (Tokyo) |
| 16:50-17:10 | Deformation of Dijkgraaf-Vafa Relation via Spontaneously Broken N=2 Supersymmetry | Kazunobu Maruyoshi (Osaka City) |
| 17:10-17:30 | Instantons in deformed supersymmetric gauge theories | Shin Sasaki (Helsinki) |
| 17:30-17:50 | Higher Derivative Corrections in M-theory via Local Supersymmetry | Yoshifumi Hyakutake (Osaka) |
| 17:50-18:10 | Counting BPS Solitons and Applications | Kazutoshi Ohta (Tohoku) |
| Colliders - Susy Phenomenology, Gaede-Auditorium | | |
| Tuesday, 31.7.2007 | | |
| <i>Chairperson: Werner Porod</i> | | |
| 14:00-14:20 | A Collider Signature of the Supersymmetric Golden Region | Christian Spethmann (Cornell Univ.) |
| 14:20-14:40 | LHC detection reach for lambdaSusy | Roberto Franceschini (Pisa) |
| 14:40-15:00 | SUSY Dark Matter models with a well-tempered neutralino | Howard Baer (Florida State Univ.) |
| 15:00-15:20 | Flavour Violating Interactions of Supersymmetric Particles | Andrew Box (Hawaii) |
| 15:20-15:40 | Nonlinear gauge fixing for FeynArts | Thomas Gajdosik (Vilnius Univ.) |
| 16:00-16:30 | coffee break | |
| <i>Chairperson: Darin Acosta</i> | | |
| 16:30-16:50 | MSSM precision physics at the Z resonance | Arne Weber (Munich) |
| 16:50-17:10 | SUSY in the Light of B Physics and Electroweak Precision Observables | Georg Weiglein (Durham) |
| 17:10-17:30 | Preparing LHC: new constraints from isospin asymmetry in $b \rightarrow s \gamma$ transitions | Nazila Mahmoudi (Mount Allison Univ.) |
| 17:30-17:50 | Development of a consistent framework for indirect MSSM constraints | Oliver Buchmuller (CERN), Frederic Ronga (CERN) |
| 17:50-18:10 | Inverting the LHC with the ILC | Ben Lillie (Argonne, Chicago) |