

2011 Moriond -- ElectroWeak Interactions and Unified Theories

March 13-20th La Thuile-Aosta Valley

STILL NOT FINAL !

last updated Tuesday, March 16th

Morning : Brout-Englert-Higgs boson Searches (TeVatron and LHC)

| | |
|-----------------------|---|
| Laurette Ponce | Status of the LHC machine |
| Babis Anastasiou | The Higgs production rates at TeVatron and at the LHC |
| Pierluigi Totaro | Low mass SM Higgs in TeVatron |
| Konstantinos Petridis | High mass SM Higgs at TeVatron |
| Markus Schumacher | Higgs searches in ATLAS |
| Christian Veelken | Higgs and Z to tau tau in CMS |
| Bo Jayatilaka | TeVatron SM Higgs Combination |
| Christophe Grojean | Alternatives to SM : a review |

Afternoon: The Standard Model and beyond

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|-----------------------|--|
| Vivek Sharma | Experimental prospects for the Higgs Search |
| Philip Coleman Harris | Standard Model measurements in CMS |
| Mika Vesterinen | Single W and Z production and asymmetries at TeVatron |
| John Alison | Standard Model measurements in ATLAS |
| Martina Hurwitz | Diboson Physics at TeVatron |
| Gero von Gersdorff | Extra dimensions and electroweak breaking -mini review |
| Adam Falkowski | Non-standard Higgs boson decays |
| Tim Scanlon | Beyond the SM Higgs Boson at TeVatron |

Tuesday March 15th

Morning : "Beyond the Standard Model"

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|-----------------------|--|
| Ana Texeira | NMSSM short review |
| Colin Bernet | SUSY searches at CMS |
| Manuel Perez-Victoria | Z' bosons and friends |
| Michel Jaffre | New TeVatron searches for BSM physics |
| Alessandro Strumia | Fine tuning price of early LHC |
| Sascha Caron | SUSY searches in ATLAS |
| Max Baak | Constraints from ew measurements to BSM theories |

Afternoon : "Beyond the SM"

| | |
|-------------------------|---|
| Akin Wingerter | A Fourth Chiral Generation and SUSY Breaking |
| Francesco Santanastasio | Exotica searches at CMS |
| Philip Bechtle | What if the LHC doesn't find Susy by the end of 2011? |
| Douglas Gingrich | Exotica searches in ATLAS |
| David Litim | Asymptotically safe gravity at the LHC and beyond |

Young Scientists Forum 1

see list below

Wednesday March 16th

Morning: "Flavour Physics"

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|--------------------|---|
| Ulrich Nierste | Flavour physics, supersymmetry and GUTs |
| Liang Li | Top production at TeVatron (ttbar and single top) |
| Jernej Kamenik | Top polarisation at LHC and new physics |
| Fabrizio Margaroli | Top properties from TeVatron |
| Suzanne Westhoff | F-B asymmetry in top-quark production in R-S |
| Andreas Weiler | Flavour in Randall-Sundrum models |
| John Walsh | Rare B & D decays at Babar |
| Roger Jones | Heavy flavour Physics in Atlas |

Afternoon : "Flavour Physics-Lepton flavour - Neutrinos"

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|------------------------|---|
| Wolfgang Altmannshofer | Lower Bounds on EDM's from D0 mixing in SUSY |
| Jorge Romao | LHC and lepton flavour violation phenomenology (LR-MSSM) |
| Evgueni Goudzovski | Searches for lepton flavour and number violation in kaon decays at CERN |
| Michele Papucci | Dimuon CP asymmetry in B decays |
| Julia Thom | TeVatron Heavy Flavor |
| Anton Poluektov | Recent Results on EW physics from Belle |
| Guillaume Mention | Reactor antineutrino anomaly |
| Antonio Palazzo | The antineutrino anomaly: implications for the solar neutrino sector |

Thursday March 17th

Morning : "Flavour Physics, leptogenesis"

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|------------------|--|
| Gudrun Hiller | The pheno analysis on rare semileptonic decays $B \rightarrow K^{(*)} \ell \ell$ |
| Mikhail Danilov | Prospects and status of SuperKEKB/Belle II |
| Amarjit Soni | Demise of the CKM paradigm and its aftermath |
| Yuehong Xie | CP Violation in B decays with LHCb |
| Andreas Juettner | Lattice Flavour Physics Results for Phenomenologists |
| Taku Izubuchi | Recent results of CKM physics; quark masses .. From RBC/UKQCD |
| Diego Martinez | Search for new physics in Rare B decays at LHCb |
| Joem Kersten | Reconciling Supersymmetry and Thermal Leptogenesis |

Afternoon : "Neutrino to Astroparticles-Cosmic rays "

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|----------------------|---|
| Klaus Helbing | IceCube as a discovery observatory for physics beyond the standard model |
| Manuela Vecchi | ANTARES: status and recent results |
| Michael Kachelriess | Lower bound on extragalactic magnetic fields |
| Isabelle Lhenry-Yvon | Recent results from the Pierre Auger Observatory |
| Toshiyuki Nonaka | Observation of Ultra High Energy Cosmic Ray at Telescope Array experiment |

Young Scientists Forum 2

see list below

Friday, March 18th

Morning : "Astroparticles, Dark matter"

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|---------------------------|---|
| Steven Leman | Constraints on Low-Mass WIMP signals from CDMS |
| Andreas Goudelis | Dark matter models |
| Aaron Manalaysay | Dark Matter Detection with Noble Liquids |
| Michel Tytgat | Constraints on a Light WIMP from the Diffuse Gamma-Rays |
| Ana Sofia Torrento Coello | Latest results of the Edelweiss-II |
| Eric Dahl | COUPP: First data from a deep-site bubble chamber |
| Joachim Kopp | Collider limits on dark matter |
| Timur Delahaye | NMSSM constraints and dark matter signals |

Afternoon : "Astroparticles "

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|-----------------|---|
| Laura Covi | Dark matter candidates: axinos, gravitinos (review) |
| Yoshizumi Inoue | Tokyo axion helioscope experiment and other axion experiments |

Young Scientists Forum 3

see list below

MORIOND discussion

Saturday, March 19th

Morning : Dark matter, Energy, Precision test, neutrinos "

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|----------------------------|---|
| Enrique Fernandez-Martinez | Asymmetric dark matter generation via leptogenesis |
| Fabiana Cossavella | GERDA commissioning results and summary of double beta decay projects |
| Delphine Hardin | SuperNova Legacy Survey |
| Osamu Tajima | QUIET and other CMB B-mode searches |
| Paul Indelicato | Proton charge radius |
| Alvaro de Rujula | About the proton charge radius |
| Zarko Pavlovic | Results from MiniBooNE and SciBooNE experiments |
| Maxim Libanov | Why neutrinos are different |
| Toshinori Mori | Updated result of the $\mu^+ \rightarrow e^+ \gamma$ search in the MEG experiment |

Afternoon : "Neutrinos"

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|------------------|--|
| Michele Pozzato | Recent results of the OPERA experiment |
| Mark Hartz | First Results from the T2K Experiment |
| Sanjib Agarwalla | New approach to antineutrino from muon decay at rest |
| Pau Novella | Status of the Double Chooz experiment |
| Yusuke Koshio | Recent results of the solar neutrino measurement in Borexino |
| Gabriel Perdue | Status of the MINERvA Experiment |
| Mattias Blennow | Neutrino masses and extra dimensions |
| Mitch Sodeberg | Neutrino Data Analysis with the ArgoNeuT Project |
| Ara Ioannisian | Transition Radiation by Neutrinos at an interface |

Sunday, March 20th

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|--------------|---------------|
| Chris Quigg | Summary (th) |
| Robert Roser | Summary (exp) |

YSF1

Julien Baglio
Kathryn Tschann-Grimm
Rushika Nayar
Josh Bendavid
Devdatta Majumder
Nhan Viet Tran
Aimee Lerner
Abdollah Mohammadi

The Supersymmetric Higgs bounds at the Tevatron and LHC
D0 search for the SM Higgs in the final state tau-tau-jet-jet
Search for Higgs to WW at D0
Measurement of W boson lepton charge asymmetry
Study of W+gamma events at CMS with 7TeV collisions
Analysis of Z->l+l- polarization at CMS
Observation of Z->tau tau Decays with the Atlas Detector
W->tau nu observation and data-driven estimation of the QCD background

YSF2

Florian Goertz
Jeanette Lorenz
Marcin Badziak
Sarah Baker
Karolos Potamianos
Michele Pinamonti
Sylvain Fichet
Stefano Perazzini

Higgs Physics in Warped Extra Dimensions
SM backgrounds to SUSY (1lepton+jets+missing transv. energy)
Yukawa unification in susy SO(10)
Jet Production cross section measurement with ATLAS
Search for rare SM processes (Missing transverse energy +b jets)
Top quark pair cross-section in the lepton+jet final state
Susy flavor problem in 5D GUTS
Direct CP violation Bs->Kpi decays at LHCb

YSF3

Torsten Pfoh
Ana Rodriguez-sanchez
Laura Gladstone
Juan Herrero
Gary Cheng
Rodrigo Alonso de Pablo
Sebastien Murphy

RS model effects on B_s CP Violation
Higgs Boson Masses in the MSSM with Heavy Majorana Neutrinos
The Shadow of the Moon in IceCube
Neutrino masses from extra generations
K+ production in a few GeV neutrino beam
The Potential of Minimal Flavour Violation
Charged Pion Cross Sections in Proton C at 31 GeV/c with NA61/SHINE