

XLVth Rencontres de Moriond
Electroweak Interactions and Unified Theories
March 6-13 2010 LaTHUILE

Preliminary Program ver 0.9 (changes will occur !)

Sunday Morning

The Higgs at TeVatron

Robert Harlander	Higgs production: higher orders and finite top mass
Wade Fisher	Low Mass SM Higgs
Rick St Denis	High mass SM Higgs
Abdelhak Djouadi	Higgs at Tevatron: predictions and uncertainties
Thomas Schucker	Noncommutative approach : pre- and post-dictions.
Michael Rauch	Extended Scalar sector + Fat jets
Miguel Vidal	BSM Higgs

Sunday Afternoon

The LHC start-up

Joerg Wenninger	The LHC machine Status
Wouter Hulsbergen	LHCb experiment status & firstresults
Martijn Mulders	CMS experiment status & first results
Jean-Francois Arguin	ATLAS experiment status & first results
Christopher Rogan	Higgs look-alikes in LHC
Peter Jenni	Road Map for Discoveries at the Hadron Colliders

Monday Morning

LHC future findings

Ulrich Ellwanger	NMSSM
Sabine Kraml	Yukawa unified SUSY GUTs and 7 TeV LHC
Marc Besançon	Revue on ExtraDim signatures at LHC
John Terning	Higgsless review
Giovanni Villadoro	Z' review
Ben Gripaios	Beyond the Minimal Composite Higgs Model.

Monday Afternoon

Flavour Physics

Phillip Urquijo	CKM sides
Owen Long	CKM angles
Jordi Garra Tico	D0 mixing and charm CPV
Maria Rozanska	B decays in final states with tau(Belle)
Federico Mescia	lattice QCD and new flavour physics
Kay Kinoshita	EW related Bs decays (Belle)
Mark Williams	Mixing and Delta Gamma_s (Tevatron)
Peter Onyisi	Results from CLEO-C

Tuesday Morning

Marco Rescigno
 Alison Lister
 Yvonne Peters
 Peter Uwer
 Ia Iashvili
 Jonathan Hays
 Amita Raval
 Stanislav Shushkevich

Standard Model and beyond

Wmass, W+Z properties Tevatron
 top production
 top properties
 Measuring the running top-quark mass
 Diboson Production at the Tevatron
 Tevatron searches for new physics with leptons
 Isolated leptons at HERA
 High Q2 & EW measurements

Tuesday Afternoon

Mariano Quiros
 Kyle Cranmer
 Ben Brau
 Alberto Mariotti
 Stephane Lavignac
 Ignatios Antoniadis

Beyond the SM ; YSF1

Soft walls: an alternative solution to the EW hierarchy
 Cornering the Higgs at LEP
 Tevatron searches : New Physics with photons and jets
 Gauge mediation : mass patterns review
 Non-Standard SUSY spectra in gauge mediation
 Higgs in MSSM with dim-5 and 6 operators

YSF1

*see list below***Wednesday Morning**

Steve Robertson
 Elisa Guido
 Evgeny Goudzofski
 Christopher Smith
 Elisabetta Baracchini
 Miha Nemevsek
 Bogdan Malaescu
 Florian Domingo

Rare processes as probes for BSM

Searches for new physics in Upsilon decays
 Lepton Universality (Babar)
 Lepton universality NA62
 NA 62 physics perspectives
 First results from MEG
 CP phases in leptonic flavour violation
 Current status of g-2
 NMSSM : low-energy effects

Wednesday Afternoon

David Webber
 Glen Marshall
 Alex Bondar
 Sneha Malde
 Yuri Shitov

Rare Processes + Neutrinos + YSF2

Toward a sub-ppm measurement of G_F (MULAN exp)
 Final results for muon decay parameters from TWIST
 EW rare decays (Belle)
 FCNC, lifetimes, rare decays (Tevatron)
 Neutrinoless double beta decay: from NEMO-3 to SuperNEMO

YSF2

see list below

Thursday Morning

Nicolas Bernal
 Lauren Hsu
 Silvia Scorza
 Anne Green
 Kristjan Kannike

Kodai Matsuoka
 Bari Osmanov
 Masashi Yokoyama

Dark matter + Neutrinos

Dark Matter Beyond the MSSM
 CDMS (direct DM)
 First Edelweiss-II results (direct DM)
 Dark matter direct detection: mass/speed distributions
 DM and EW sym breaking from SO(10)

Commissioning results from T2K
 MiniBoone (nu oscillations)
 SciBooNE and other neutrino cross section measurements

Thursday afternoon

Patrick Decowski
 Olivier Simard

YSF3
 Moriond Discussion

Neutrinos YSF3 Moriond discussion

KamLAND (reactor neutrino oscillations)
 SNO low energy threshold analysis and combined fits

see list below

Friday Morning

Nicolas Abgrall
 Dario Autiero
 Gwenaelle Lefevre
 Basudeb Dasgupta
 Satoru Yamada
 Sven Lafebre
 Irina Mocioiu

Neutrinos

SHINE Production measurements for neutrino /cosmic rays
 OPERA (nu tau appearance, long baseline)
 MINOS (nu oscillations long baseline)
 Neutrinos from Supernovae : A Review
 Results from SuperK (nu, indirect DM)
 Results from ICECube (HE cosmic neutrinos)
 Neutrino properties from large neutrino telescopes

Friday Afternoon

Abigail Viereg
 Sofia Andringa
 Tomi Ylinen
 Géraldine Servant
 Malcolm Fairbairn
 Klaus Ehret

Dark matter, Astroparticles , Axions

ANITA (neutrino showers radio detection)
 Auger (UHE cosmic rays)
 FERMI (gamma rays satellite)
 Higgs in space
 Axions and transparency of the Universe
 Light through the wall (axions) : ALPS and review

Saturday Morning

Belen Gavela
 Paul Grannis

Summary talks

Summary (Theory)
 Summary (Experiment)

Young Scientists Forum 1

Sahal Yacoob	The W mass at D0
Henso Abreu	Results on electrons and photon with early data with ATLAS
Luca Perozzi	CMS $\Phi \rightarrow KK$ signal
Plamen Hopchev	Luminosity LHCb
Marco Nardecchia	Tree level gauge mediation
Davide Gerbaudo	Search of the Higgs boson in dilepton + missing Et

Young Scientists Forum 2

Sascha Stahl	Tracking performances in LHCb
Luca Martini	Measuring the J/Psi cross-section with CMS
Daniele Trocino	CMS Strategy for early obs of $ZZ^* \rightarrow 4e$
Fany Dudziak	Electron identification in ATLAS and the Higgs $\rightarrow 4e$ channel
Janet Dietrich	ATLAS Susy with Early data
Martin Gonzalez-Alonso	New physics bounds from CKM-unitarity
Xabier Cid Vidal	Muon Identification in LHCb
Haruna Oki	T2KK and non-standard neutrino interactions
Sebastien Cassel	The fine tuning guide for SUSY searches
Maria Cabrera	MSSM Forecast for the LHC

Young Scientists Forum 3

Sebastien Murphy	Pion production from 30 GeVp + C at SHINE-first results
Hajime Ishimori	Lepton and Slepton masses $\Delta(54)$ symmetry
Joshua Albert	T2K
Lorenzo Ubaldi	Probing dark matter with AGN jets
Julien Billard	Directional detection of DM
Keiko Nagao	One loop corrections to WIMP annihilation
Christopher Jones	SONGS reactor
Alexey Lokhov	Neutrino propagation in matter
Alexander Knochel	LHC pheno and DM in Susy higgsless