

2012 Moriond -- ElectroWeak Interactions and Unified Theories

March 3rd-10th La Thuile-Aosta Valley

STILL NOT FINAL !

last updated Feb. 27th

Sunday Morning :

Francois Englert
Joe Haley
Homer Wolfe
Wade Fisher
Sandra Kortner
Marco Pieri
Jean-François Grivaz

EWSB in the Standard Model

Symmetry breaking and the Scalar boson - evolving perspectives
Results from D0
Results from CDF
Tevatron Combination
Results from ATLAS
Results from CMS
General Discussion: Where do we stand ?

Sunday afternoon

Michael Rauch
Azeddine Kasmi
Anna Kaminska
Veronica Sanz
Sridhara Dasu
Hengne Li

EWSB (SM and beyond) Precision tests, , YSF1

LHC ; Standard and Hidden Scalar Bosons
BSM scalar boson results from TeVatron
Strong electroweak symmetry breaking
How to tell apart non-standard EW symmetry breaking mechanisms
SUSY and BSM Scalar searches in ATLAS and CMS
W mass measurement from D0

Young Scientists Forum -1-

Monday morning

Bodhitha Jayatilaka
Jan Kretschmar
Jochum Van Der Bij
Thomas Phillips
Jadranka Sekaric
Matthias Neubert

EWSB (SM and beyond), Precision tests, SUSY

W mass measurement from CDF
EW measurements from ATLAS and CMS
New spectra in the HEIDI models
Single W and Z production asymmetries at Tevatron
Diboson physics
Implication of LHC Scalar searches on warped extra dimensions

Monday afternoon

Steven Lowette
Sabine Kraml
Nazila Farvah Mahmoudi
Antoine Marzin
Felix Brümmer
Liliana Velasco-Sevilla

SUSY , YSF2

SUSY searches in LHC
SUSY status after one year of LHC
SUSY and a 125 GeV Scalar
Searches for 3rd generation SUSY in ATLAS
Supersymmetric models with light Higgsinos, and LHC results
Glueballs lighter than squarks and detection at LHC

Young Scientists Forum -2-

Tuesday morning

Carla Biggio
Lisa Randall
Steven Worm
David Adams
Yutaka Hosotani
Tomer Volansky
Wataru Ootani

Beyond the Standard Model, Lepton flavour

Phenomenology of SUSY with intermediate scale physics
Natural Explanation for Light Stops
Search for Dark Matter in Monojet and Monophoton events (CMS)
BSM searches in ATLAS and CMS
Realistic SO(5)xU(1) model in RS space
Long Lived Exotica at the LHC
Results from MEG

Tuesday afternoon

Sandra Leone
German Rodrigo
Viatcheslav Sharyy

Top Physics, Rare B decays, YSF3

Top production (asymmetry, single top, Vtb) at the Tevatron
ttbar asymmetry in the standard model **and beyond**
Top properties (mass, width, spin correlations) at the Tevatron

Pedro Ferreira da Silva
Luca Martini

Top physics in ATLAS and CMS
Search for the Bs and B0 decays to dimuons at CMS
Young Scientists Forum -3-

Wednesday morning

David Straub
J. Angel Hernando Morata
Andreas Crivellin
Gilberto Colangelo
Guennadi Borissov
Jochen Schieck
Alexander Lenz

Heavy flavour physics

Overview of constraints on new physics in rare B decays
Rare decays in LHCb
Rare decays and MSSM phenomenology
Lattice & Flavour review
Heavy flavour measurements at the Tevatron
Heavy flavour measurements in ATLAS and CMS
Theoretical update on B-mixing

Wednesday afternoon

Peter Clarke
Vincent Poireau
Ulrich Haisch
Till Moritz Karbach
Gagan Mohanty
Christian Hoelbling

Heavy flavour physics, YSF4

Results on CPV in B mixing in LHCb
A selection of recent results BABAR
New physics in Bs mixing and decay
Results on direct CPV on B decays in LHCb
Recent EW results at Belle
Lattice QCD : light quark masses and K mixing factor
Young Scientists Forum -4-

Thursday morning

Jure Zupan
Jonas Rademacker
Mark Messier
Andrea Longhin
Alexander Vikman
Masashi Otani
Tsunayuki Matsubara

Charm physics, Neutrinos

Direct CP violation in D decays
Charm: search for direct CPV and CPV in mixing in LHCb
Minos Nova, Final perspective
Opera results
The Price for Neutrino- Superluminality
Results from T2K
Double Chooz

Thursday afternoon

N.
Boris Kayser
Steen Hannestad
Livia Lhudova
Belen Gavela

Neutrinos

Global neutrino data analysis
Tensions with the 3 - neutrino paradigm
eV sterile neutrinos in cosmology
Borexino
Effective theories of neutrino masses

Moriond discussion

Friday morning

Ryan MacLellan
Manimala Mitra
Azusa Gando
Emmanuel Chauveau
Aaron Mislivec
Sebastian Böser
Nader Mirabolfathi

Neutrinos and DM

EXO results and 2 Beta Decay review
Neutrinoless 2 Beta Decay and Heavy Sterile Neutrinos
KamLAND Zen 2 beta decay
Nemo3 2 beta decay
Minerva
Icecube
CDMS DM

Friday afternoon

Michael Marino
Josef Pradler
Jeter Hall
Jean Côme Lanfranchi
Seung Cheon Kim
Maxim Pospelov
Thomas Papaevangelou
Philippe Brax

Dark Matter

CoGent DM
DAMA and CoGent : mu-bckgd and higher harmonic contributions
COUPP DM
CRESST DM
KIMS DM
alternative DM models –a review
CAST results and axion review
Chameleon models of dark energy: solar production, laboratory tests

Saturday morning

Alain Blondel
Wilfried Buchmuller

Summary Talks

Experimental summary
Theory summary

Young Scientists Forum 1

Joshua Kunkle	H->WW->lnulnu in ATLAS
Venus Ebrahimi-Keus	Abelian symmetries in N-Higgs-doublet Models
Abhinav Dubey	Search for the SM Higgs boson in ZH -> nunubb at D0
Yasuhiro Yamamoto	Derivative interactions of N Nambu-Goldstone Higgs doublets
Elvira Cervero	A vctophobic 2HDM in the light of the LHC
Sergey Godunov	Critical charge in a superstrong magnetic field

Young Scientists Forum 2

Jan Heisig	Gravitino DM: Long-lived staus at the LHC
Morten Dam Jørgensen	Search for SUSY R-hadrons in ATLAS
Suchita Kulkarni	Effective couplings approach: neutralino dark matter relic density
Luca Marzola	Strong SO(10)-inspired leptogenesis and its predictions
Tristan du Pree	Measurement of Z+b cross section at CMS
Agniewska Leyko	B tagging calibration using ttbar events at ATLAS

Young Scientists Forum 3

Juerg Eugster	Observation of diffractively produced W in pp collisions in CMS
Martin Bauer	A Solution to the Flavor Problem of Warped Extra-Dimensions
Sadia Khalil	ttbar production in lepton+Jets using b tagging in CMS
Jyoti Joshi	Single top quark production at D0
Juan Yepes	Minimal flavour violation with non-linear realized EWSB
Barbara Storaci	Studies of the decay Bs->DsK
Philippe Mertens	Radiative K decays in the Standard Model and beyond.
Liang Sun	B->K*ll branching fractions and asymmetries

Young Scientists Forum 4

Bastian Kronenbitter	Time dependant CPV Belle
Dean Lambert	Time integrated Angular Analysis of Bs->PhiPhi and Bd->PhiK*
Aurora Meroni	Multiple mechanisms in Neutrinoless Double beta decay
Marja Hanussek	Probing neutrino masses in the RPV cMSSM at sqrt(s)=7 TeV
Izabela Kochanek	Recent Icarus results
Guillaume Chalons	Gamma-ray lines constraints in the NMSSM