

March 3rd-10th La Thuile-Aosta Valley

Reshuffling continues ! -- YSF session also reshuffled NOT FINAL !

last updated March 4rd,

Sunday morning

Andrea Longhin
Alexander Vikman
Masashi Otani
Tsunayuki Matsubara
Livia Lhudova
Ryan MacLellan
Manimala Mitra

Neutrinos

Opera results
The Price for Neutrino- Superluminality
Results from T2K
Double Chooz
Borexino
EXO results and 2 Beta Decay review
Neutrinoless 2 Beta Decay and Heavy Sterile Neutrinos

Sunday afternoon

Azusa Gando
Emmanuel Chauveau
Aaron Mislivec
Sebastian Böser
Wataru Ootani

Neutrinos, YSF1

KamLAND Zen 2 beta decay
Nemo3 2 beta decay
Minerva
Icecube
Results from MEG

Young Scientists Forum -1-

Monday morning

Nader Mirabolfathi
Michael Marino
Josef Pradler
Jeter Hall
Seung Cheon Kim
Maxim Pospelov
Tsvi Piran

Neutrinos and Dark Matter

CDMS DM (presented by J Hall)
CoGent DM
DAMA and CoGeNT : mu-bckgd and higher harmonic contributions
COUPP DM
KIMS DM
alternative DM models –a review
Limits on Lorentz Invariance Violation at the Planck Energy

Monday afternoon

Thomas Papaevangelou
Alexander Lenz
Peter Clarke
Ulrich Haisch
J. Angel Hernando Morata

Dark Matter, Heavy Flavour Physics, YSF2

CAST results and axion review
Theoretical update on B-mixing
Results on CPV in B mixing in LHCb
New physics in Bs mixing and decay
Rare decays in LHCb

Young Scientists Forum -2-

Tuesday morning

Luca Martini
David Straub
Andreas Crivellin
Guennadi Borissov
Jochen Schieck
Gilberto Colangelo
Vincent Poireau

Heavy flavour physics

Search for the Bs and B0 decays to dimuons at CMS
Overview of constraints on new physics in rare B decays
Rare decays and MSSM phenomenology
Heavy flavour measurements at the Tevatron
Heavy flavour measurements in ATLAS and CMS
Lattice & Flavour review
A selection of recent results BABAR

Tuesday afternoon

Till Moritz Karbach
Gagan Mohanty
Christian Hoelbling
Jure Zupan
Jonas Rademacker

Heavy flavour and charm physics, YS3

Results on direct CPV on B decays in LHCb
CP violation results at Belle
Lattice QCD : light quark masses and K mixing factor
Direct CP violation in D decays
Charm: search for direct CPV and CPV in mixing in LHCb

Young Scientists Forum -3-

Wednesday 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 ?

Wednesday afternoon

Michael Rauch
 Azeddine Kasmi
 Anna Kaminska
 Veronica Sanz
 Sridhara Dasu
 Hengne Li
 Bodhitha Jayatilaka
 Jan Kretzschmar

EWSB (SM and beyond) Precision tests

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
 W mass measurement from CDF
 EW measurements from ATLAS and CMS

Thursday morning

Jochum Van Der Bij
 Thomas Phillips
 Jadranka Sekaric
 Matthias Neubert
 Steven Lowette
 Sabine Kraml

EWSB (SM and beyond), Precision tests, SUSY

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
 SUSY searches in LHC
 SUSY status after one year of LHC

Thursday afternoon

Nazila Farvah Mahmoudi
 Steven Worm
 Felix Brümmer
 Liliana Velasco-Sevilla
 Carla Biggio
 Martin Nedden

SUSY, Top

SUSY and a 125 GeV Scalar
 Search for Dark Matter in Monojet and Monophoton events (CMS)
 Supersymmetric models with light Higgsinos, and LHC results
 Gluinos lighter than squarks and detection at LHC
 Phenomenology of SUSY with intermediate scale physics
 Single top physics in ATLAS

Moriond discussion**Friday morning**

Antoine Marzin
 Lisa Randall
 David Adams
 Yutaka Hosotani
 Tomer Volansky
 Boris Kayser
 Mark Messier

Beyond the Standard Model, Lepton flavour

Searches for 3rd generation SUSY in ATLAS
 Natural Explanation for Light Stops
 BSM searches in ATLAS and CMS
 Realistic SO(5) \times U(1) model in RS space
 Long Lived Exotica at the LHC
 Tensions with the 3 - neutrino paradigm
 Minos Nova, Fnal perspective

Friday afternoon

Sandra Leone
 German Rodrigo
 Viatcheslav Sharyy
 Pedro Ferreira da Silva

Top Physics, YSF4

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
 Top physics in ATLAS and CMS

Young Scientists Forum -4-**Saturday morning**

Alain Blondel
 Wilfried Buchmuller

Summary Talks

Experimental summary
 Theory summary

Young Scientists Forum 1

Aurora Meroni
 Erica Caden

Multiple mechanisms in Neutrinoless Double beta decay
 Neutrino Directionality with Double Chooz

Marja Hanussek	Probing neutrino masses in the RPV cMSSM at $\sqrt{s}=7$ TeV
Adam Anderson	Coherent Neutrino Scattering with Cryogenic Semiconductor Detectors
Guillaume Chalons	Gamma-ray lines constraints in the NMSSM
Dan Fiorino	First light at the HAWC gamma ray detector in Mexico
Sergey Godunov	Critical charge in a superstrong magnetic field

Young Scientists Forum 2

Martin Bauer	A Solution to the Flavor Problem of Warped Extra-Dimensions
Juan Yepes	Minimal flavour violation with non-linear realized EWSB
Barbara Storaci	Studies of the decay $B_s \rightarrow D_s K$
Phillippe Mertens	$K^+ \rightarrow \pi^+ \pi^0 \gamma$ in the Standard Model and Beyond
Liang Sun	$B \rightarrow K^* \ell \ell$ branching fractions and asymmetries
Bastian Kronenbitter	Time dependant CPV Belle
Dean Lambert	Time integrated Angular Analysis of $B_s \rightarrow \Phi \Phi$ and $B_d \rightarrow \Phi K^*$
Joshua Kunkle	$H \rightarrow WW \rightarrow \ell \nu \ell \nu$ in ATLAS
Izabela Kochanek	Recent Icarus results

Young Scientists Forum 3

Venus Ebrahimi-Keus	Abelian symmetries in N-Higgs-doublet Models
Abhinav Dubey	Search for the SM scalar boson in $ZH \rightarrow \nu \nu b \bar{b}$ at D0
Elvira Cervero	A vectorphobic 2HDM in the light of the LHC
Suchita Kulkarni	Effective couplings approach: neutralino dark matter relic density
Jan Heisig	Gravitino DM: Long-lived staus at the LHC
Morten Dam Jørgensen	Search for SUSY R-hadrons in ATLAS

Young Scientists Forum 4

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 $t\bar{t}$ events at ATLAS
Juerg Eugster	Observation of diffractively produced W in pp collisions in CMS
Sadia Khalil	$t\bar{t}$ production in lepton+Jets using b tagging in CMS
Jyoti Joshi	Single top quark production at D0