

XLth Rencontres de Moriond Electroweak Session La Thuile, 5-12 March 2005

Neutrino

Sunday morning 8h30

chair: R. Peccei

E. Lisi	Neutrino mass and mixing parameters : A short review
L. Sulak	SuperK
C. Mariani	K2K
K. Miknaitis	SNO
B. Berger	Kamland
K. Turzyski	Decoupling, lepton flavor violation and leptogenesis
G. McGregor	miniBoone

Neutrino/Cosmic rays

Sunday afternoon 17h

chair: G. Guyot

B. Kayser	The neutrino future
M. Tanimoto	Prediction $U(e3)$ and $\cos(\theta_{23})$ from discrete symmetry
A. Gross	Amanda
S. Capelli	Cuoricino
S. Pastor	Massive neutrinos and cosmology
U. Schwanke	Hess results
G. Navarra	Auger

Cosmic rays/Dark Matter

Monday morning 8h30

chair: F. Bauer

P. Frampton	Dark Energy and dark matter (intro)
W. de Boer	DM interpretation of Egret excess signal
C. Boehm	Light Dark matter
B. Serfass	CDMS results
F. Probst	CRESST results
P. Tinyakov	Massive graviton as a testable Cold DM candidate
S. Profumo	Running spectral index in susy DM with quasi stable charged particles

Dark Matter/New Physics

Monday afternoon 17h

chair: Y. Arnoud

U. Gastaldi	PVLAS
B. Beltran	Cast
E. Nezri	Complementarity between DM searches and Accelerators
L. Covi	Proton decay in a 6-Dim SO(10) model
G. Bernardi	Searches at the Tevatron I
A. Lath	Searches at the Tevatron II
C. Schwanenberger	Searches for new physics at Hera

New physics/Electroweak

Tuesday morning 8h30

chair: P. Janot

C. Biggio	Divergencies and symmetries in Higgs-gauge unification theories
P. Spagnolo	Gauge boson couplings at LEP
C. Rosenbleck	W mass and EW fit
C. Grojean	Higgsless EW Sym. Breaking and Precision physics
J. Hirn	Higgs-less Higgs mechanism : low-energy expansion
F. Deliot	Electroweak physics at the tevatron I
G. de Lendecker	Electroweak physics at the tevatron II

Electroweak/lepton Flavor**Tuesday afternoon 17h***chair:L.Fayard*

P.Ciafaloni	Electroweak evolution equations
G.Abbiendi	Running of the fine structure constant at LEP
J.Rautenberg	Electroweak physics at Hera
I.Hidalgo	Fine tuning problem in Little Higgs models
H.Greenlee	D0 top quark results
G.Gomez	CDF top quark results
F.Beaudette	top physics prospects at LHC
S.Lavignac	The supersymmetric flavor problem and horizontal symmetries

Strings /Lepton Flavor**Wednesday morning 8h30***chair:A.Sevrin*

E.Dudas	Recent results in string phenomenology
D.Nicolo	lepton violation searches: an experimental review
G.Unel	Lepton flavor violation at LHC
A.M.Curiel	Lepton Flavor violating Higgs decays from massive seesaw neutrinos
A.Ibarra	Probing lepton flavor in stau NLSP decays
M.Frigerio	A new family symmetry
Y.Takanishi	Family replication

edm / K physics**Wednesday afternoon 17h***chair:B.Kayser*

O.Lebedev	Status of Electric Dipole Moments in Susy implications for searches
Y.Farzan	Effect of right handed neutrino supermultiplets on el. dipole moments
G.Lanfranchi	Measurement of kaon semileptonic decays and lifetimes at Kloe
L.Bellantoni	Ktev results (KL BR, V_{us} , $K_L \rightarrow \pi^0 \mu \mu$ limit)
E.Gamiz	Determination of V_{us} from hadronic tau decays
D.Greynat	Rare $K \rightarrow (\pi^+ \pi^-)$ decays
I.Mikulec	NA48 results on CPV in $K^+ \rightarrow \pi^+ \pi^-$ decays
C.Smith	Long-distance effects in rare kaon decays

Thursday morning 8h30*chair:F.Dufour***Young Scientist Forum****K/B physics***chair:C.Yeche*

S.Bosch	CKM : overview and determinations from B decays
A.Ceccucci	Rare kaon decays review and prospects
A.Limosani	Measurements of V_{ub}

B physics**Thursday afternoon 17h***chair:C.Yeche*

M.Morandin	Beta time dependent measurements
H.Kakuno	Time dependent CP violation in B to $\pi^+ \pi^-$ decays
P.Krokovney	Measurements of ϕ_3/γ
L.Giusti	Lattice overview-Unquenched flavor physics with TeraFlop machines
	Moriond discussion

B physics**Friday morning 8h30***chair:S.Conetti*

F.Jugeau	B mesons and form factors
D.Kim	Recent results from Cleo
G.Therin	$\sin(2\beta + \gamma)$ measurements
R.Mommsen	EW penguins and leptonic decays
S.Abel	Limits on low scale gravity from strings
S.Vempati	Split SUSY from Supergravity

B physics

chair: O. Leroy

E. Kou
S. Jaeger
F. Wilson
K. Snyo
S. D'Auria
R. Lipton
M. Calvi

Friday afternoon 17h

Beyond SM $B \rightarrow K \pi$ puzzle
Hadronic vs leptonic flavor and CP violation in Susy $SO(10)$
Babar topic
Search for new physics in B to VV decays and other hot topics from Belle
B physics at the Tevatron I
B physics at the Tevatron II
B physics prospects at LHC

Summaries

chair: J. Tran Thanh Van

M. Calvetti
R. Peccei

Saturday morning 9h

Experimental summary
Theory summary

YOUNG SCIENTIST FORUM

Thursday morning 8:30

J. Welzel
B. Blossier
J. Williams
M. Thormeier
M-L. Aliciati
P. Haefliger

RPV SUSY and K to π ν $\bar{\nu}$ ν $\bar{\nu}$ ν $\bar{\nu}$
 B_s -anti B_s mixing from lattice QCD
CP violation in charged Higgs production and decay
A lot from an extra $U(1)$
Proton Lifetime in 5D $SU(5)$ GUT
Impact of A_0 on the mSUGRA parameter space