DESY Theory Workshop 2003 "GUTs & Branes"
Parallel Sessions September 25, 2003

Parallel Session 1: String Theory

Seminar Room 4a, Building 1b

Chair: Jan Louis

14.00 - 14.30	
Mariana Grana (Paris)	D-brane fermionic action and its application to a standard-like brane model
14.30 - 15.00	
Juan F. Garcia Cascales (Madrid)	Moduli stabilization in IIB flux compactifications
15.00 - 15.30	
Silvia Vaula (Turin)	N=4 supergravity for type IIB on T^6/Z_2 in presence of fluxes
15.30 - 16.00	
Michele Trapletti (Trieste)	String vacua on non-Kahler manifolds
16.00 - 16.30 BREAK	
16.30 - 17.00	
Johanna Erdmenger (Berlin)	Chiral symmetry breaking and light mesons in non-supersymmetric gauge/gravity duals
17.00 - 17.30	
Jan Plefka (Golm)	The plane-wave string/gauge theory duality
17.30 - 18.00	
Sakura Schafer-Nameki (Hamburg)	Oblique and curved D-branes in IIB plane-wave string theory
18.00 - 18.30	
Paul Heslop (Hamburg)	Integral invariants in N=4 SYM and the effective action of D-branes

Parallel Session 2: Extra Dimensions/GUTs
Seminar Room 2, Building 2a

Chair: Laura Covi

14.00 - 14.30	
Michael Ratz (DESY)	Group-theoretical aspects of orbifold and conifold GUTs
14.30 - 15.00	
Katri Huitu (Helsinki)	Radions at future colliders
15.00 - 15.30	
Manuel Perez-Victoria (Padova)	Brane kinetic terms for bulk fields
15.30 - 16.00	
David Costa (DESY)	Proton decay in a consistent supersymmetric $SU(5)$ GUT model

16.00 - 16.30 BREAK

16.30 - 17.00	
Hyun Min Lee (Bonn)	Localized tadpoles and anomalies in 6D orbifolds
17.00 - 17.30	
Do Young Kim (KAIST)	Radion stabilization and supersymmetry breaking in 5d extra dimension
17.30 - 18.00	
Alexander Westphal (DESY)	Possibility and stability of large power corrections to gauge coupling unification in extra dimensions
18.00 - 18.30	
Alexander Mück (Würzburg)	Tests of five-dimensional extensions of the Standard Model at LEP2 and a future linear collider

Parallel Session 3: Neutrinos & Lepton Number/Flavour Violation
Seminar Room 3, Building 1b

Chair: Manfred Lindner

14.00 - 14.30	
Herbert Dreiner (Bonn)	R-parity violating mSUGRA, origins of lepton number violation
14.30 - 15.00	
Andreas Redelbach (Würzburg)	Leptogenesis, seesaw parameters and $Br(l_i \to l_j\gamma)$
15.00 - 15.30	
Jisuke Kubo (Kanazawa)	A minimal S_3 invariant extension of the Standard Model and neutrino mixing
15.30 - 16.00	
Jörn Kersten (Munich)	Running neutrino masses, mixings and CP phases
16.00 - 16.30 BREAK	
16.30 - 17.00	
Zhi-Zhong Xing (Beijing)	Texture zeros and majorana phases of the neutrino mass matrix
17.00 - 17.30	
Hong Seok Lee (KAIST)	Lopsided $U(1)$ symmetry and lepton flavor violation in MSSM with right handed neutrino
17.30 - 18.00	
Heinrich Paes (Würzburg)	Neutrinoless double beta decay from singlet neutrinos in extra dimensions
18.00 - 18.30	
Stephan Huber (DESY)	A warped seesaw mechanism

Parallel Session 4: Cosmology
Seminar Room 4b, Building 1b

Chair: Andreas Ringwald

14.00 - 14.30	
Seong Chan Park (KIAS)	Rotating black holes at colliders
14.30 - 15.00	
Kin-ya Oda (Munich)	Rotating black holes at future colliders: Greybody factors for brane fields
15.00 - 15.30	
Monica Borunda (Triest)	Aspects of string gas cosmology at finite temperature
15.30 - 16.00	
David Cerdeño (Hamburg)	Prospects for neutralino dark matter in string theory
16.00 - 16.30 BREAK	
16.30 - 17.00	
Huitzu Tu (DESY)	Ultrahigh energy neutrinos from proton propagation through the cosmic microwave background
17.00 - 17.30	
Birgit Eberle (DESY)	Absorption of ultrahigh energy cosmic neutrinos on the relic neutrino background