

String Phenomenology 2004 Plenary Conference Program

Sunday, August 1

11:00 AM Brunch

Session Chair: G. Kane

1:00 PM Opening Remarks
Prof. Paul Courant, Provost and Vice President for Academic Affairs,
University of Michigan

1:15 PM I. Antoniadis (CERN), “*Supersymmetry Breaking in D-brane Models*”

1:50 PM P. Frampton (UNC-Chapel Hill), “*AdS/CFT Correspondence and Beyond
Standard Model*”

2:25 PM TBA

3:00 PM Coffee Break

Session Chair: G. Shiu

3:45 PM P. Nath (Northeastern), “*A Stueckelberg Extension of the Electroweak
Sector as an Alternative to Extension with Higgs*”

4:20 PM B. Ovrut (Pennsylvania), “*The Spectra of Heterotic Vacua*”

4:55 PM G. Aldazabel (Balseiro-Bariloche), “*Particle Models from Orientifolds at
Gepner-Orbifold Points*”

5:30 PM Adjourn

Monday, August 2

- Session Chair: R. Brustein*
- 9:00 AM G. Shiu (Wisconsin), “*Model Building and Phenomenology of Flux-Induced SUSY Breaking*”
- 9:35 AM J.E. Kim (Seoul National), “*Trinification from Orbifolded Superstring*”
- 10:10 AM Coffee Break**
- Session Chair: S. Stieberger*
- 10:45 AM S. Thomas (Stanford), “*Landscape Naturalness*”
- 11:20 AM R. Mohapatra (Maryland), “*Neutrino Mass and Supersymmetric $SO(10)$* ”
- 11:55 AM S. Trivedi (Tata), “*Flux Compactifications and Accelerating Cosmologies*”
- 12:30 PM Lunch**
- Session Chair: B. Körs*
- 2:15 PM A. Krause (Maryland), “*De Sitter Vacua in the M-Theory Landscape*”
- 2:50 PM P. Langacker (Pennsylvania), “*Neutrino Masses in Type I and II Seesaw Models Respecting Heterotic and Intersecting Brane String Constraints*”
- 3:25 PM M. Perry (Cambridge), “*A Description of Hawking’s Recent Arguments about Information Loss*”
- 4:00 PM Coffee Break**
- Session Chair: P. Ko*
- 4:30 PM R. Myers (Perimeter Institute), “*Cosmic Superstrings II*”
- 5:05 PM S. Stieberger (Humboldt Universität), “*Scattering of Gauge, Matter, and Moduli Fields from Intersecting Branes*”
- 5:40 PM C. Burgess (McGill), “*Rosebud: More Obsessing About SLEDs*”
- 6:15 PM Adjourn**
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- 6:15 PM Wine and Cheese reception (Lower Atrium of the Chemistry Building)**

Tuesday, August 3

Session Chair: A. Krause

- 9:00 AM A. Faraggi (Oxford), “*Self-duality and Vacuum Selection*”
- 9:35 AM M. Cvetič (Pennsylvania), “*Supersymmetric Intersecting D6-branes, Fluxes and Particle Physics*”

10:10 AM Coffee Break

Session Chair: J. Giedt

- 10:45 AM K. Dienes (Arizona), “*A String Theorist Tampers with the Laws of Thermodynamics*”
- 11:20 AM B. Körs (MIT), “*On the Moduli Dependence of Non-perturbative Superpotentials in Brane-Inflation*”
- 11:55 AM E. Silverstein (SLAC/Stanford), “*The Real World as a Hologram: DBI in the Sky and dS/dS* ”

12:30 PM Lunch

Session Chair: T. Li

- 2:15 PM H.-P. Nilles (University of Bonn, Germany), “*Five Golden Rules for String phenomenology*”
- 2:50 PM M. Dine (UC Santa Cruz), “*Supersymmetry from the Landscape*”

3:25 PM Coffee Break

4:00 PM Begin session of 20-minute parallel talks (see parallel talk schedule)

Wednesday, August 4

- Session Chair: L. Wang*
- 9:00 AM M. Douglas (Rutgers), “*Statistical Analysis of Supersymmetry Breaking in Flux Vacua*”
- 9:35 AM S. Abel (Durham), “*Interactions and Flavour on Intersecting Branes*”
- 10:10 AM Coffee Break**
- Session Chair: S. King*
- 10:45 AM R. Brustein (Ben-Gurion), “*Moduli Stabilization in Flux Compactifications*”
- 11:20 AM R. Kallosh (Stanford), “*D3/D7 Brane Cosmology*”
- 11:55 AM M. Quiros (IFAE), “*Higgs-gauge Unification Without Tadpoles*”
- 12:30 PM Lunch**
- Session Chair: K. Dienes*
- 2:15 PM S. King (Southampton), “*Phenomenology of Twisted Moduli*”
- 2:50 PM F. Larsen (Michigan), “*Holography, Diffeomorphisms, and Scaling Violations in the CMB*”
- 3:25 PM C. Savoy (Saclay), “*Lepton EDMs*”
- 4:00 PM Coffee Break**
- Session Chair: K. Tobe*
- 4:30 PM J. Qian (Michigan), “*Searches for New Physics at Dzero*”
- 5:05 PM R. Culbertson (Fermilab), “*Searches at CDF*”
- 5:40 PM E. Rabinovici (Rutgers), “*On Time Dependent Backgrounds in String Theory*”
- 6:15 PM Adjourn**
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- 7:00 PM Barbeque** (inner court yard between Randall lab and the Dennison Buildings)

Thursday, August 5

Session Chair: F. Larsen

9:00 AM S. Giddings (UCSB), “*Deforming Warped Compactifications*”

9:35 AM A. Linde (Stanford), “*String Inflation Update*”

10:10 AM Coffee Break

Session Chair: S. Abel

10:45 AM T. Gherghetta (Minnesota), “*Natural High-scale Supersymmetry Breaking*”

11:20 AM J. Liu (Michigan), “*Black Hole Mass in Anti-de Sitter Space*”

11:55 AM S. Raby (Ohio State), “*Constructing 5D Orbifold GUTs from Heterotic Strings*”

12:30 PM Lunch

Session Chair: A. Karch

2:15 PM M. Shifman (Minnesota), “*From Strings to One-flavor QCD*”

2:50 PM Liantao Wang (Wisconsin), “*Electroweak Symmetry Breaking and Flux Induced Supersymmetry Breaking*”

3:25 PM Coffee Break

4:00 PM Begin session of 20-minute parallel talks (see parallel talk schedule)

6:00 PM Wine and Cheese reception (Lower Atrium of the Chemistry Building)

Friday, August 6

Session Chair: A. Faraggi

9:00 AM K. Choi (KAIST), “*Radion as a Flavon and SUSY Flavor Violation*”

9:35 AM M.K. Gaillard (UC Berkeley), “*Aspects of Heterotic String Phenomenology*”

10:10 AM Coffee Break

Session Chair: T. Gherghetta

10:45 AM B. Nelson (Pennsylvania), “*What Does LHC Data have to do with String Phenomenology?*”

11:20 AM M. Perry (Cambridge), “*Symmetry Breaking and Tunneling in de Sitter Space, and Implications for the Cosmological Constant*”

11:55 AM A. Karch (Washington), “*Autolocalization and Holography in dS Space*”

12:30 AM Lunch

Session Chair: J. Wells

2:15 PM G. Hoenecker (U.A. Madrid), “*The Standard Model on Fractional Intersecting Branes*”

2:50 PM H. Tye (Cornell), “*How our Universe Originated? And Why?*”

3:25 PM Conference Concludes