

Frontiers Beyond the Standard Model

October 10-12, 2002

University of Minnesota, 116 Church Street, Minneapolis, Minnesota 55455

Thursday, October 10 - Room 435 Tate Laboratory of Physics Building

8:15 - 8:55	Registration
8:55 - 9:00	Welcome and Opening Remarks Keith Olive, University of Minnesota
9:00 - 9:45	Ignatios Antoniadis, CERN Extra Dimensions and Modifications of Newton's Law
9:45 - 10:30	Jonathan Bagger, Johns Hopkins University Warped and Twisted Supergravity
10:30 - 11:00	Coffee Break
11:00 - 11:45	Riccardo Barbieri, Scuola Normale Superiore, Pisa Electroweak Symmetry Breaking from a Compact Extra Dimension
11:45 - 12:30	Fabio Zwirner, University of Rome - La Sapienza & INFN Mass Generation with Extra Dimensions
12:30 - 14:00	Lunch
14:00 - 14:45	Savas Dimopoulos, Stanford University Non-local Modification of Gravity and the Cosmological Constant Problem
14:45 - 15:30	Nima Arkani-Hamed, Harvard University Gravity in Theory Space
15:30 - 16:00	David E. Kaplan, Johns Hopkins University An Alternative to Unification
16:00 - 16:30	Coffee Break
16:30 - 17:15	John March-Russell, CERN Aspects of Extra-Dimensional Unification
17:15 - 17:45	Graham Kribs, University of Wisconsin Supersymmetric $SU(5) \times SU(5)$

Friday, October 11 - Room 435 Tate Laboratory of Physics Building

- 9:00 - 9:45 Erich Poppitz, University of Toronto
Instanton Effects in Compactified 5d Theories and Deconstruction
- 9:45 - 10:30 Emilian Dudas, Orsay
New Ways of Getting Neutrino Masses in Low-Scale Models
- 10:30 - 11:00 Coffee Break
- 11:00 - 11:45 Steve Giddings, University of California, Santa Barbara
Phenomenology of Warped Compactifications
- 11:45 - 12:30 Gia Dvali, New York University
Gravity Through the Filter
- 12:30 - 14:00 Lunch
- 14:00 - 14:45 Andy Cohen, Boston University
The Little Higgs
- 14:45 - 15:30 Ann Nelson, University of Washington
The Littlest Higgs and Its Friends
- 15:30 - 16:00 Sekhar Chivukula, Boston University
Flavor Physics and Fine-Tuning in Theory Space
- 16:00 - 16:30 Coffee Break
- 16:30 - 17:15 Christopher Hill, Fermilab
Fractal Theory Space: Spacetime of Noninteger Dimension
- 17:15 - 17:45 Neal Weiner, University of Washington
New Supersymmetric Extensions of the Standard Model

Saturday, October 12 - Room 435 Tate Laboratory of Physics Building

- 9:00 - 9:45 Keith Dienes, University of Arizona
Shape Versus Volume: Rethinking the Properties of Large Extra Dimensions
- 9:45 - 10:30 Rob Myers, Perimeter Institute
Holography and Positive Lambda
- 10:30 - 11:00 Coffee Break
- 11:00 - 11:45 Raman Sundrum, Johns Hopkins University
The Cosmological Constant Problem or Supersymmetry?
- 11:45 - 12:30 Alex Pomarol, IFAE, Barcelona
The SM Partly Supersymmetric
- 12:30 - 14:00 Lunch
- 14:00 - 14:45 Markus Luty, University of Maryland
Supersymmetry Without Supergravity?
- 14:45 - 15:30 Csaba Csaki, Cornell University
Standard Model Higgs from Higher Dimensional Gauge Fields
- 15:30 - 16:00 Nobuhiro Maekawa, Kyoto University
Grand Unification with Anomalous U(1) Symmetry
- 16:00 - 16:30 Coffee Break
- 16:30 - 17:15 Yasunori Nomura, University of California, Berkeley
Grand Unification in Higher Dimensions
- 17:15 - 17:45 Howard Baer, Florida State University
Viability of Models with Non-universal Gaugino Mediated SUSY Breaking