Conference Program
Thursday, June 5

8:00 – 8:40 REGISTRATION
8:40 – 9:00 WELCOME

9:00 – 9:25 Gordy Kane (Michigan)
   *Questions and perspectives on issues beyond the Standard Model*
9:30 – 9:55 Markus Luty (Maryland)
   *Supersymmetry without supergravity*
10:00 – 10:25 Marc Kamionkowski (Caltech)
   *The CMB and SUSY dark matter*

10:30 – 11:00 COFFEE BREAK

11:00 – 11:25 Giorgio Gratta (Stanford)
   *Experimental neutrino physics: Recent results and perspectives*
11:30 – 11:55 Rabindra Mohapatra (Maryland)
   *Neutrino mass and minimal SUSY SO(10)*
12:00 – 12:25 Antonio Masiero (INFN Padova)
   *Unification of hadronic and leptonic FCNC in SUSY*

12:30 – 2:00 LUNCH

2:00 – 3:30 PARALLEL SESSIONS
   Session 1A [Pima]
   Session 5A [Madera]
   Session 6A [Canyons A+B]
   Session 3A [Canyon C]

3:30 – 4:00 COFFEE BREAK

4:00 – 5:40 PARALLEL SESSIONS
   Session 1B [Pima]
   Session 5B [Madera]
   Session 4A [Canyons A+B]
   Session 2A [Canyon C]

6:30 WELCOME MARGARITA RECEPTION
Friday, June 6

8:00 – 8:25 Kiwoon Choi (KAIST)
Gauge unification and localization in extra dimension

8:30 – 8:55 Marcela Carena (Fermilab)
Bulk fields in warped extra dimensions

9:00 – 9:25 Rob Myers (Perimeter)
Meson spectroscopy in AdS/CFT with flavor

9:30 – 10:00 COFFEE BREAK

10:00 – 10:25 Mikhail Shifman (Minnesota)
Supersymmetric gluodynamics and its non-supersymmetric cousins: Planar equivalence, k-strings and all that

10:30 – 10:55 Vijay Balasubramanian (Penn)
Phases of N=1 supersymmetric gauge theories in four dimensions

11:00 – 11:25 Leonard Susskind (Stanford)
Cosmology and the string theory landscape

11:30 – 11:55 Michael Dine (UC Santa Cruz)
String theory and Beyond the Standard Model physics

12:00 – 1:30 LUNCH

1:30 – 1:55 Keith Olive (Minnesota)
Supersymmetric dark matter in light of WMAP

2:00 – 2:25 Max Tegmark (Penn)
Dark matter, dark energy, and inflation from WMAP and the Sloan Digital Sky Survey

2:30 – 2:55 George Fuller (UC San Diego)
Insights into neutrino masses and mixings from the early universe and from supernovae

3:00 – 3:30 COFFEE BREAK

3:30 – 5:00 PARALLEL SESSIONS

3:30 – 4:00 Session 1C
[Session 1C]

3:30 – 4:00 Session 5C
[Session 5C]

3:30 – 4:00 Session 7A
[Session 7A]

4:30 – 5:00 Session 2C
[Session 2C]

4:30 – 5:00 Session 5A
[Session 5A]

4:30 – 5:00 Session 6A
[Session 6A]

5:00 – 6:00 EVENING SPECIAL SESSION

7:30 EVENING SPECIAL SESSION [Ventana]
A Discussion on the Vitality of Particle Physics:
A moderated, open discussion of key issues facing our field
Saturday, June 7

8:00 – 8:25 Cliff Burgess (McGill)
*6D supergravity and the cosmological constant*

8:30 – 8:55 Nemanja Kaloper (UC Davis)
*Inflation and short-distance physics*

9:00 – 9:25 Shamit Kachru (Stanford)
*Towards inflation in string theory*

9:30 – 10:00 COFFEE BREAK

10:00 – 10:25 Ann Nelson (Washington, Seattle)
*SUSY and three little Higgs stories*

10:30 – 10:55 Ignatios Antoniadis (CERN)
*Non-compact dimensions and localized (super)gravity*

11:00 – 11:25 Eva Silverstein (Stanford)
*Moduli-fixing and microphysics*

11:30 – 11:55 David B. Kaplan (Washington, Seattle)
*Lattice supersymmetry*

12:00 – 1:30 LUNCH

1:30 – 3:00 PARALLEL SESSIONS

Session 1D [Pima]
Session 5D [Madera]
Session 3B [Canyons A+B]
Session 2B [Canyon C]

3:15 PICKUP FOR WEEKEND EXCURSION #1
(Arizona Sonora Desert Museum)
Sunday, June 8

8:30 – 8:55  Dan Akerib (Case Western)  
*Direct searches for dark matter*

8:55 – 9:20  Steve Worm (Rutgers)  
*Searches for new particles and phenomena in CDF*

9:20 – 9:45  John Hobbs (Stony Brook)  
*Searches for new particles and phenomena in D0*

9:45 – 10:15  COFFEE BREAK

10:15 – 10:40  Yoshihide Sakai (KEK)  
*Results from Belle*

10:40 – 11:05  David Hitlin (Caltech)  
*Results from BaBar*

11:05 – 11:30  Thomas Alderweireld (Mons Heinaut, Belgium)  
*New particle searches at LEP*

11:30 – 1:00  LUNCH

1:00  PICKUP FOR WEEKEND EXCURSION #2  
(Pima Air & Space Museum / Titan Missile Museum)
Monday, June 9

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 - 8:55</td>
<td>Stephen Martin (Northern Illinois)</td>
<td>Accurate treatment of Higgs VEVs and masses in supersymmetry</td>
</tr>
<tr>
<td>9:00 - 9:25</td>
<td>Howie Baer (Florida State)</td>
<td>mSUGRA model: Indirect constraints and prospects for colliders</td>
</tr>
<tr>
<td>9:30 - 9:55</td>
<td>Stuart Raby (Ohio State)</td>
<td>Phenomenology of the minimal SO(10) SUSY model</td>
</tr>
<tr>
<td>10:00 - 10:30</td>
<td></td>
<td>COFFEE BREAK</td>
</tr>
<tr>
<td>10:30 - 10:55</td>
<td>Carlos Wagner (Argonne/Chicago)</td>
<td>Precision measurements, unification of couplings, and collider phenomenology</td>
</tr>
<tr>
<td>11:00 - 11:25</td>
<td>Jack Gunion (UC Davis)</td>
<td>Higgs physics, supersymmetry, and extra dimensions: Selected topics</td>
</tr>
<tr>
<td>11:30 - 11:55</td>
<td>Konstantin Matchev (Florida)</td>
<td>Bosonic supersymmetry</td>
</tr>
<tr>
<td>12:00 - 12:25</td>
<td>JoAnne Hewett (SLAC)</td>
<td>Phenomenology of brane-localized curvature in warped backgrounds</td>
</tr>
<tr>
<td>12:30 - 2:00</td>
<td></td>
<td>LUNCH</td>
</tr>
<tr>
<td>2:00 - 2:25</td>
<td>Paul Langacker (Penn)</td>
<td>Physics beyond the MSSM</td>
</tr>
<tr>
<td>2:30 - 2:55</td>
<td>Sacha Davidson (IPPP, Durham)</td>
<td>Observable consequences of thermal leptogenesis</td>
</tr>
<tr>
<td>3:00 - 3:25</td>
<td>Tony Tyson (Bell Labs, Lucent Technologies)</td>
<td>Physics of dark energy and dark matter from optical imaging surveys</td>
</tr>
<tr>
<td>3:30 - 4:00</td>
<td></td>
<td>COFFEE BREAK</td>
</tr>
<tr>
<td>4:00 - 5:40</td>
<td>PARALLEL SESSIONS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Session 1E</td>
<td>[Pima]</td>
</tr>
<tr>
<td></td>
<td>Session 5E</td>
<td>[Madera]</td>
</tr>
<tr>
<td></td>
<td>Session 4B</td>
<td>[Canyons A+B]</td>
</tr>
<tr>
<td></td>
<td>Session 1F</td>
<td>[Canyon C]</td>
</tr>
<tr>
<td>7:00</td>
<td>CONFERENCE BANQUET</td>
<td>[Pima+Madera]}</td>
</tr>
</tbody>
</table>
Tuesday, June 10

8:30 – 9:30 PARALLEL SESSIONS
Session 1G [Pima]
Session 7B [Madera]
Session 6B [Canyons A+B]
Session 3C [Canyon C]

9:30 – 10:00 COFFEE BREAK

10:00 – 11:40 PARALLEL SESSIONS
Session 1H [Pima]
Session 5F [Madera]
Session 3D [Canyons A+B]

11:40 – 1:00 LUNCH

1:00 – 1:25 Mirjam Cvetic (Penn)
*Supersymmetric intersecting D-brane world(s)*

1:30 – 1:55 Mariano Quiros (IFAE, Barcelona)
*Spontaneous Scherk-Schwarz symmetry breaking*

2:00 – 2:25 Lawrence Hall (UC Berkeley)
*Alternative cosmologies*

2:30 – 2:55 Cumrun Vafa (Harvard)
*Matrix models and supersymmetric field theories*

3:00 – 3:30 COFFEE BREAK

*The little Higgs*

4:00 – 4:25 Giorgi Dvali (NYU)
*Chasing zero*

4:30 – 5:00 Savas Dimopoulos (Stanford)
*Anthropic selection, LHC and dark energy*

5:00 END OF CONFERENCE
SUSY 2003 Parallel Sessions

Session 1: SUSY Phenomenology
Convenors: Jonathan Feng (UC Irvine), James Wells (Michigan)

Session 1A
Thursday, June 5, 2:00-3:20 p.m. [Pima]
Chair: Nobuchika Okada

2:00 – 2:18 Sven Heinemeyer (LMU Munich)
Loop corrections to Higgs production at the LC

2:20 – 2:38 Seungwon Baek (KIAS)
CP violation in B → φK_s decay at large tan β in the MSSM

2:40 – 2:58 C.-P. Yuan (Michigan State)
Testing MSSM in the associated production of CP-odd
and charged Higgs bosons

3:00 – 3:18 James Wells (Michigan)
Implications of supersymmetry breaking without singlets

Session 1B
Thursday, June 5, 4:00-5:20 p.m. [Pima]
Chair: C.-P. Yuan

4:00 – 4:18 Toshifumi Yamashita (Kyoto)
Gauge coupling unification in GUT with anomalous U(1) symmetry

4:20 – 4:38 Michael Berger (Indiana)
Spacetime symmetry violation

4:40 – 4:58 Shrihari Gopalakrishna (Michigan State)
B-physics signature of a SUSY U(2) flavor model

5:00 – 5:18 Tianjin Li (IAS Princeton)
Electroweak baryogenesis in the
SUSY SU(3) × SU(2) × U(1) × U(1)\textsuperscript{f} model
Session 1C
Friday, June 6, 3:30 to 4:50 p.m. [Pima]
Chair: James Wells

3:30 – 3:48 Andreas Birkedal-Hansen (UC Berkeley)
Relaxing the upper bound on the lightest SUSY Higgs

3:50 – 4:08 Shufang Su (Caltech)
The lightest Higgs boson of mSUGRA, mGMSB and mAMSB
at present and future colliders

4:10 – 4:28 Ting Wang (Michigan)
Phenomenology of possible light Higgs bosons

4:30 – 4:48 Aaron Pierce (SLAC)
Atmospheric neutrinos can make beauty strange

Session 1D
Saturday, June 7, 1:30 to 2:50 p.m. [Pima]
Chair: Michael Berger

1:30 – 1:48 Yudi Santoso (Minnesota)
Scalar mass non-universality in the MSSM

1:50 – 2:08 Otto Kong (Nat’l Central University, Taiwan)
Higgs sector contributions to $\Delta a_\mu$ and constraints on
two-Higgs-doublet model with and without SUSY

2:10 – 2:28 Brandon Murakami (Argonne)
Ancillary abelian symmetry solution to the AMSB slepton problem

2:30 – 2:48 Aseshkrishna Datta (Florida)
MSSM Higgs bosons from SUSY cascades at the LHC
Session 1E
Monday, June 9, 4:00 to 5:40 p.m. [Pima]
Chair: Shufang Su

4:00 – 4:18 Bob McElrath (Wisconsin)
Phenomenology of an NMSSM without domain walls
4:20 – 4:38 Graham Kribs (Wisconsin)
Rationalizing right-handed neutrinos
4:40 – 4:58 Ian Jack (Liverpool)
Yukawa textures and anomaly-mediated SUSY breaking
5:00 – 5:18 Kazuhiro Tobe (Michigan)
Revisiting top-bottom-tau Yukawa unification in supersymmetric grand unified theories
5:20 – 5:38 Radovan Dermisek (UC Davis)
Unification of couplings and proton decay in SUSY GUTs

Session 1F
Monday, June 9, 4:00 to 5:20 p.m. [Canyon C]
Chair: James Wells

4:00 – 4:18 Haruhiko Terao (Kanazawa University)
Exact $S_3$ symmetry solving the SUSY flavor problem
4:20 – 4:38 Oliver Brein (MPI, Munich)
Production of neutral Higgs jet in the framework of the MSSM
4:40 – 4:58 Yoshiaki Umeda (RWTH-Aachen)
One-loop contributions of charginos and neutralinos to W-pair production in $e^+e^-$ collisions
5:00 – 5:18 Eri Asakawa (KEK)
Probing complex phase of the photon-photon-Higgs vertex at photon colliders
Session 1G

Tuesday, June 10, 8:30 to 9:30 a.m.  [Pima]
Chair: Kazuhiro Tobe

8:30 – 8:48  Haibin Wang (Michigan)
*Analysis on the CP asymmetry in $B_d \to \phi K_S$ decay*

8:50 – 9:08  Jae-hyeon Park (KAIST)
*Nonuniversal squark mass and $B_d \to \phi K_S$ CP asymmetries*

9:10 – 9:28  Vassilis Spanos (Minnesota)
*Probing patterns of supersymmetry breaking*

Session 1H

Tuesday, June 10, 10:00 to 11:40 a.m.  [Pima]
Chair: Stephen Martin

10:00 – 10:18  Kai Wang (Oklahoma State)
*Stabilizing the axion in SUSY gauge theories*

10:20 – 10:38  Javier Ferrandis (Hawaii)
*Mass predictions based on a supersymmetric SU(5) fixed point*

10:40 – 10:58  Ilia Gogoladze (Oklahoma State)
*R-parity $\mu$-term and fermion mass hierarchy from discrete gauge symmetry*

11:00 – 11:18  Alan Barr (Cambridge)
*Discovering AMSB at the LHC*

11:20 – 11:38  Marc Thormeier (UC Berkeley)
*Supersymmetric Froggatt-Nielsen models with baryon- and lepton-number violation*
Session 2:  
Formal Aspects of SUSY Field Theories  
Convenor: Erich Poppitz (Toronto)

Session 2A  
Thursday, June 5, 4:00 to 5:10 p.m.  
Chair: Tonnis ter Veldhuis  
[Canyon C]

4:00 – 4:20  Stephen Pinsky (Ohio State)  
*Simulating super Yang-Mills theories*

4:25 – 4:45  Erich Poppitz (Toronto)  
*Deconstructing KK monopoles*

4:50 – 5:10  Gregory Braun (Cincinnati)  
*Higher-derivative terms in harmonic superspace*

Session 2B  
Saturday, June 7, 1:30 to 3:00 p.m.  
Chair: Erich Poppitz  
[Canyon C]

1:30 – 1:45  Masato Arai (Academy of Sciences, Prague)  
*Wall solution with weak gravity limit in five-dimensional supergravity*

1:50 – 2:05  Tonnis ter Veldhuis (Minnesota)  
*Brane dynamics from non-linear realizations*

2:10 – 2:25  Muneto Nitta (Purdue)  
*Domain walls in massive hyper-Kähler sigma models*

2:30 – 2:45  Jaime Besprsovany (UNAM, Mexico)  
*Standard-Model coupling constants from compositeness: Comparison with supersymmetric models*
# Session 3:
Experimental Searches, Bounds, and Constraints
Convenors: John Conway (Rutgers), JoAnne Hewett (SLAC), Tom Junk (Illinois)

## Session 3A
B-Factory Implications for SUSY

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00</td>
<td>Dennis Dujmic (SLAC)</td>
<td>Search for effects beyond the Standard Model CP asymmetry measurements at BaBar</td>
</tr>
<tr>
<td>2:18</td>
<td>Koji Hara (Osaka)</td>
<td>Time-dependent CP-violating asymmetries in b-sq q decays at Belle</td>
</tr>
<tr>
<td>2:36</td>
<td>Steve Playfer (Edinburgh)</td>
<td>Radiative penguins at BaBar</td>
</tr>
<tr>
<td>2:54</td>
<td>Masako Iwasaki (Tokyo)</td>
<td>Measurement of the electroweak penguin process $B \to X_s l^+ l^-$ at Belle</td>
</tr>
<tr>
<td>3:12</td>
<td>Arnold Pompos (Purdue)</td>
<td>Search for SUSY in CDF</td>
</tr>
</tbody>
</table>

## Session 3B
Higgs Searches

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30</td>
<td>Gabriella Pasztor (CERN)</td>
<td>Searches for Higgs bosons at LEP</td>
</tr>
<tr>
<td>1:48</td>
<td>Andre Holzner (ETH Zurich)</td>
<td>Searches for exotic Higgs bosons at LEP</td>
</tr>
<tr>
<td>2:06</td>
<td>Chris Neu (Ohio State)</td>
<td>Search for the Higgs boson in CDF</td>
</tr>
<tr>
<td>2:24</td>
<td>Tim Christiansen (Munich)</td>
<td>Search for GMSB SUSY in D0</td>
</tr>
<tr>
<td>2:42</td>
<td>Sungwon Lee (Texas A&amp;M)</td>
<td>Search for SUSY with photons in CDF</td>
</tr>
</tbody>
</table>

Thursday, June 5, 2:00 to 3:30 p.m. [Canyon C]
Chair: Tom Junk

Saturday, June 7, 1:30 to 3:00 p.m. [Canyons A+B]
Chair: Tom Junk
Session 3C
Future Prospects

Tuesday, June 10, 8:30 to 9:30 a.m. [Canyon C]
Chair: JoAnne Hewett

8:30 – 8:49 Andre Sopczak (Lancaster)
**Exploring supersymmetry at a linear collider**

8:50 – 9:09 Shuichi Kunori (Maryland)
**SUSY search prospects at CMS**

9:10 – 9:29 Alan Barr (Cambridge)
**SUSY search prospects at ATLAS**

Session 3D
Searches for Exotica

Tuesday, June 10, 10:00 to 11:40 a.m. [Canyons A+B]
Chair: JoAnne Hewett

10:00 – 10:16 Silke Duensing (NIKHEF)
**Search for SUSY in D0**

10:17 – 10:33 David Hutchcroft (Liverpool)
**Search for exotic SUSY at LEP**

10:34 – 10:50 Marie-Claude Cousinou (CPPM Marseille)
**Search for leptoquarks in D0**

10:51 – 11:07 Koji Ikado (Waseda)
**Search for the Z' and extra dimensions in CDF**

11:08 – 11:24 Amber Boehnlein (Fermilab)
**Search for extra dimensions in D0**

11:25 – 11:41 Kaoru Hagiwara (KEK)
**The SM prediction of muon g – 2**
Session 4:
Neutrinos and Lepton Flavor Violation
Convenors: K.S. Babu (Oklahoma State), André de Gouvêa (Fermilab)

Session 4A
Thursday, June 5, 4:00 to 5:40 p.m.  [Canyons A+B]
Chair: Christopher Kolda

4:00 - 4:20  Alexander Friedland (LANL)
On the MSW effect of the neutrino background
4:20 - 4:40  K.S. Babu (Oklahoma State)
Symmetries of the neutrino mass matrix
4:40 - 5:00  Cecilia Lunardini (IAS Princeton)
Physics of supernova neutrinos
5:00 - 5:20  Irina Mocioiu (Arizona)
Tracking very high-energy tau neutrinos from cosmological sources
5:20 - 5:40  Tomas Blazek (Southampton)
Best-fit predictions for flavor-violating processes in MSSM constrained by unification

Session 4B
Monday, June 9, 4:00 to 5:40 p.m.  [Canyons A+B]
Chair: Alex Friedland

4:00 - 4:20  Nobuchika Okada (KEK)
Lepton flavor violating processes and muon g - 2 in minimal SUSY SO(10) models
4:20 - 4:40  Yasuhiro Shimizu (Nagoya)
GUT relation in neutrino-induced flavor physics in SUSY SU(5) GUT
4:40 - 5:00  Christopher Kolda (Notre Dame)
Higgs-mediated lepton flavor violation
5:00 - 5:20  Durmuş Demir (Minnesota)
Supersymmetric flavor violation: Rare processes and Higgs decays
5:20 - 5:40  Ryuichiro Kitano (IAS Princeton)
Detailed calculation of lepton flavor violating muon-electron conversion for various nuclei
### Session 5A
**Brane World and Extra Dimensions**

**Thursday, June 5, 2:00 to 3:30 p.m.**

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker and Affiliation</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00</td>
<td>Sabine Hossenfelder (ITP, Frankfurt)</td>
<td><em>Trans-Planck signatures in large extra dimensions</em></td>
</tr>
<tr>
<td>2:22</td>
<td>Christos Kokorelis (UAM, Madrid)</td>
<td><em>Beyond the SM: D-brane model building from intersecting brane worlds</em></td>
</tr>
<tr>
<td>2:44</td>
<td>Bumseok Kyae (Delaware)</td>
<td><em>Brane gravity, massless bulk scalar, and self-tuning solution to the cosmological constant problem</em></td>
</tr>
<tr>
<td>3:06</td>
<td>Yukihiro Mimura (Regina)</td>
<td><em>Gauge-Higgs unification in left-right model</em></td>
</tr>
</tbody>
</table>

**Chair:** TBA  

---

### Session 5B
**Extra Dimensions I**

**Thursday, June 5, 4:00 to 5:40 p.m.**

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker and Affiliation</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:00</td>
<td>Gustavo Burdman (LBNL)</td>
<td><em>Gauge-Higgs unification in higher dimensions</em></td>
</tr>
<tr>
<td>4:20</td>
<td>Zackaria Chacko (Berkeley)</td>
<td><em>Extra dimensions at the weak scale and deviations from Newtonian gravity</em></td>
</tr>
<tr>
<td>4:40</td>
<td>Hong-Jian He (UT Austin)</td>
<td><em>Unitarity in higher dimensions and gauge unifications</em></td>
</tr>
<tr>
<td>5:00</td>
<td>Hyung Do Kim (Ohio State)</td>
<td><em>Unification in 5D SO(10)</em></td>
</tr>
<tr>
<td>5:20</td>
<td>Satya Nandi (Oklahoma State)</td>
<td><em>Unity of elementary particles and forces in higher dimensions</em></td>
</tr>
</tbody>
</table>

**Chair:** TBA  

---

Session 5:  
**String Phenomenology and the Brane World**

Convenors: Tony Gherghetta (Minnesota), Gary Shiu (Wisconsin)
Session 5C
Extra Dimensions II

Friday, June 6, 3:30 to 5:00 p.m.  
Chair: TBA

3:30 – 3:50  Tony Gherghetta (Minnesota)  
The Standard Model partly supersymmetric

3:52 – 4:12  Kaustubh Agashe (Hopkins)  
Grand unification in RS1, naturally (and without SUSY)

4:14 – 4:34  Michele Redi (Hopkins)  
Radion in the non-fine-tuned RS model

4:36 – 4:56  Manuel Toharia (UC Davis)  
The scalar sector in the Randall-Sundrum model

Session 5D
String Phenomenology

Saturday, June 7, 1:30 to 3:00 p.m.  
Chair: TBA

1:30 – 1:50  Saswat Sarangi (Cornell)  
Brane-antibrane potential from open string and closed string channels and some cosmological consequences

1:52 – 2:12  Liantao Wang (Wisconsin)  
Phenomenology of new non-perturbative states in brane world models

2:14 – 2:34  Lisa Everett (CERN)  
CP violation in supersymmetric U(1)\text{\scriptsize\textdagger} models

2:36 – 2:56  Brent Nelson (Michigan)  
Can string-based models achieve the maximal mixing Higgs scenario?
Session 5E
Little Higgs

Monday, June 9, 4:00 to 5:40 p.m.
Chair: Liantao Wang

4:00 – 4:18 Jacob Wacker (Harvard)
*Precision electroweak physics and little Higgs models*

*SU(6)/Sp(6) Little Higgs and electroweak precision measurements*

4:40 – 4:58 Spencer Chang (Harvard)
*Custodial SU(2) and little Higgs*

5:00 – 5:18 Heather Logan (Wisconsin)
*Phenomenology of little Higgs*

5:20 – 5:38 Patrick Meade (Cornell)
*Electroweak constraints on little Higgs models*

---

Session 5F
New Exotic Physics

Tuesday, June 10, 10:00 to 11:40 a.m.
Chair: Graham Kribs

10:00 – 10:22 Nima Arkani-Hamed (Harvard)
*Infrared modifications of gravity, and gravity in theory space*

10:25 – 10:47 Christopher Carone (William and Mary)
*Lorentz violation and supersymmetric noncommutative QED*

10:50 – 11:12 Xavier Calmet (Caltech)
*Yang-Mills theories on non-commutative spaces*

11:15 – 11:37 Aaron Pierce (SLAC)
*Testing the little Higgs at the LHC*
Session 6:
Formal Aspects of String Theory
Convenors: Clifford Johnson (Durham),
Rob Myers (Perimeter), Amanda Peet (Toronto)

Session 6A
Thursday, June 5, 2:00 to 3:30 p.m. [Canyons A+B]
Chair: R.C. Myers

2:00 – 2:16 Asad Naqvi (Pennsylvania)
Rolling tachyons and decaying branes

2:18 – 2:34 Sanjaye Ramgoolam (Brown)
Massive IIA string theory and matrix theory

2:36 – 2:52 Matthew Kleban (Stanford)
Behind the horizon of the AdS black hole

2:54 – 3:10 Axel Krause (Maryland)
de Sitter vacua in strongly coupled heterotic string theory

3:12 – 3:28 Karl Landsteiner (IFT, Madrid)
Geometric regularization and dual conifold transitions

Session 6B
Tuesday, June 10, 8:30 to 9:30 a.m. [Canyons A+B]
Chair: Sanjaye Ramgoolam

8:30 – 8:48 Melanie Becker (Maryland)
Warped compactifications of the heterotic string, fluxes,
and the moduli space problem in string theory

8:50 – 9:08 Radu Roiban (KITP, Santa Barbara)
Hidden symmetries of the AdS$_5 \times S^5$ superstring

9:10 – 9:28 Johanna Erdmenger (Humboldt University, Berlin)
Defect conformal field theories in superspace and AdS/CFT
Session 7:
Astrophysical and Cosmological Connections
Convenors: Nemanja Kaloper (UC Davis), Lloyd Knox (UC Davis), Christopher Kolda (Notre Dame)

Session 7A
Friday, June 6, 3:30 to 5:00 p.m.  [Canyons A+B+C]
Chair: TBA

3:30 – 3:48 Michael Nolta (Princeton)
TBA
3:50 – 4:12 Daniel Chung (Wisconsin)
Run, spectral index, run
4:15 – 4:37 Marco Peloso (CITA, Toronto)
Super-GZK photons from photon-axion mixing
4:40 – 4:58 Anupam Mazumdar (McGill)
MSSM and its virtues in generating adiabatic density perturbations

Session 7B
Tuesday, June 10, 8:30 to 9:30 a.m.  [Madera]
Chair: TBA

8:30 – 8:48 Hye-Sung Lee (Wisconsin)
Primordial nucleosynthesis constraints on Z' properties
8:50 – 9:08 Fumihiro Takayama (UC Irvine)
sWIMPS and the early universe
9:10 – 9:28 Thomas Dent (Aristotle University, Thessaloniki)
Varying alpha thresholds and extra dimensions

Conference Stats:
46 plenary talks
111 parallel talks
110 degrees Fahrenheit
but it’s a dry heat