Workshop on Topological heterotic strings and (0,2) mirror symmetry

June 20 - 24, 2011

organized by J. Distler, J. Knapp, I. Melnikov

- **Monday, June 20**

  09:00 – 09:30: Welcome

  09:30 – 10:30: Thorsten Rahn
  Landscape study of target space duality of (0,2) heterotic string models

  10:30 – 11:00: Coffee

  11:00 – 12:00: Roberto Zucchini
  A heterotic sigma model with novel target geometry

  12:00 – 14:00: Lunch Break

  14:00 – 15:00: Katrin Becker
  Disk amplitudes, picture changing and space-time actions

  15:00 – 15:30 Coffee

  15:30 – 16:30: Melanie Becker
  Heterotic fluxes, where do we stand?

- **Tuesday, June 21**

  09:30 – 10:30: Ilarion Melnikov
  Tracking massless singlets in heterotic compactifications

  10:30 – 11:00: Coffee

  11:00 – 12:00: Jock McOrist
  The E_6 — SO(10) Higgs mechanism in the linear sigma model

  12:00 – 14:00: Lunch Break

  14:00 – 15:00: Savdeep Sethi
  Linear Sigma Models with Torsion

  15:00 – 15:30: Coffee

  15:30 – 16:30 Stefan Groot Nibbelink
  Anomaly cancellation in (0,2) heterotic orbifold resolutions

- **Wednesday, June 22**

  09:30 – 10:30: Ron Donagi & Eric Sharpe
  Quantum sheaf cohomology I

  10:30 – 11:00: Coffee

11:00 – 12:00: Ron Donagi & Eric Sharpe
Quantum sheaf cohomology II

12:00 – 14:00: Lunch Break

14:00 – 15:00: Meng-Chwan Tan
A quasi-topological (0,2) heterotic B-Model, the mirror chiral de Rham complex, and twisted generalized mirror symmetry

15:00 – 15:30: Coffee

15:30 – 16:30 Jacques Distler
Quantized Fayet-Iliopoulos terms in N=1 supergravity

- **Thursday, June 23**

  09:30 – 10:30: Allan Adams
  Linear sigma models with torsion

  10:30 – 11:00: Coffee

  Free Afternoon

- **Friday, June 24**

  09:30 – 10:30: Anda Degeratu
  Invariants of elliptically fibered Calabi-Yau 3-folds

All lectures take place in the ESI Boltzmann Lecture Hall