

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 $E_6 \rightarrow SO(10)$ Higgs mechanism in the linear sigma model

12:00 – 14:00: Lunch Break

14:00 – 15:00: Savdeep Sethi

TBA

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

TBA

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