

# Matrix Factorizations in Algebra, Geometry, and Physics

## Thursday, Sept. 5, 2013

Chair: Wolfgang Lerche

**09:00–10:00** Atsushi Takahashi, *Algebra and Geometry of LG orbifolds for invertible polynomials in three variables*

**11:00–12:00** Mikhail Kapranov, *Cyclic 2–Segal spaces*

Chair: Osamu Iyama

**16:00–17:00** Tony Pantev, *On the complex moduli of Landau-Ginzburg models*

**17:30–18:30** Olaf Schnürer, *Matrix factorizations, semi-orthogonal decompositions and motivic measures (joint work with Valery Lunts)*

## Friday, Sept. 6, 2013

Chair: Duco van Straten

**09:00–10:00** Mark Walker, *On the vanishing of Hochster’s theta invariant*

**11:00–12:00** Ian Shipman *Autoequivalences arising from VGIT*

Chair: Manfred Lehn

**16:00–17:00** Florian Haiden, *Entropy of endofunctors*

**17:30–18:30** Johanna Knapp *Exotic Calabi–Yaus from nonabelian gauge theories*