

Simons Center for Geometry and Physics
F-Theory Workshop, March 19-23, 2012
Program

Monday morning, March 19

9:00–10:00, **Joe Marsano** (U. Chicago), *Challenges for Global F-Theory GUTs*

10:15–11:45, **Discussion: Global F-Theory GUTs**

Monday afternoon, March 19

1:00–2:00, **Dave Morrison** (UCSB), *Mathematical Aspects of F-Theory*

2:15–3:45, **Discussion: Mathematical Aspects of F-Theory**

Tuesday morning, March 20

9:00–10:00, **Ron Donagi** (U. Penn), *Spectral Covers in F-Theory*

10:15–11:45, **Discussion: Spectral Covers in F-Theory**

Tuesday afternoon, March 20

1:00–2:00, **Mirjam Cvetič** (U. Penn), *Instantons in Type II and F-Theory*

2:15–3:45, **Discussion: Instantons in Type II and F-Theory**

Wednesday morning, March 21

9:00–10:00, **Andrés Collinucci** (Brussels & CERN), *New Perspectives on G-flux*

10:15–11:45, **Discussion: G-Flux in F-Theory**

Wednesday afternoon, March 21

1:00–2:00, **Wati Taylor** (MIT), *F-Theory and the 6D Landscape*

2:15–3:45, **Discussion: F-Theory and 6D Physics**

Thursday morning, March 22

9:00–10:00, **Nathan Seiberg** (IAS), *Supercurrents*

10:15–11:45, **Discussion: A Critical Look at Phenomenological Issues in F-Theory** (led by N. Seiberg, G. Moore, and M. Dine)

Thursday afternoon, March 22

1:00–2:00, **Thomas Grimm** (MPI Munich), *From M-Theory to F-Theory: Chern–Simons Theories vs. Anomalies*

2:15–3:45, **Discussion: F-Theory Effective Actions**

Friday morning, March 23

9:00–10:00, **Jonathan Heckman** (IAS), *F-Theory Phenomenology: Summary Talk*

10:15–11:45, **Discussion: F-Theory Phenomenology**

End of workshop