

Workshop of the Thematic Programme on  
“The Landscape vs. the Swampland”  
July 15 - August 19, 2024

organized by

Gary Shiu (U of Wisconsin-Madison), Washington Taylor (MIT, Cambridge), Irene Valenzuela (CERN, Geneva), Timm Wrase (Lehigh U, Bethlehem)

• **Monday, July 15th, 2024**

09:00 – 09:30 **Registration & Welcome**

09:30 – 10:00 **Sera Cremonini (Lehigh U, Bethlehem)**

*Causality constraints on EFTs.*

10:00 – 10:30 **Yuta Hamada (KEK, Tsukuba)**

*Exploring the Landscape/Swampland of 6d supergravity*

10:30 – 11:00 **Coffee break**

11:00 – 11:30 **Georges Obied (U of Oxford)**

11:30 – 12:00 **Marco Scalisi (MPP, Munich)**

*Species Cosmology*

12:00 – 14:00 **Lunch break**

14:00 – 14:30 **Max Wiesner (Harvard U, Cambridge)**

*TBA*

14:30 – 15:00 **Thomas Raml (MPP, Munich)**

*Topology change and non-geometry at infinite distance*

15:00 – 15:30 **Coffee break**

15:30 – 16:15 **Ralph Blumenhagen (MPP, Munich)**

*Discussion*

• **Tuesday, July 16th, 2024**

09:30 – 10:00 **Tom Rudelius (Durham U)**

*Taxonomy of Infinite Distance Limits*

10:00 – 10:30 **Ignacio Ruiz (UAM-CSIC, Madrid)**

*On the uses of towers in 4d  $N=1$*

10:30 – 11:00 **Coffee break**

11:00 – 11:30 **Muldrow Etheredge (UMass Amherst)**

*A Distance Conjecture for Branes*

11:30 – 12:00 **David Andriot (LAPTh Annecy)**

*Quintessence: from string theory to observations, and back*

12:00 – 14:00 **Lunch break**

14:00 – 14:30 **Alvaro Herrera (MPP, Munich)**

*On the Origin of Species Thermodynamics and the Black Hole - Tower Correspondence*

14:30 – 15:00 **Coffee break**

15:00 – 15:45 **Dieter Lüst (LMU Munich)**

*Discussion*

19:00 – **Conference Dinner**

• **Wednesday, July 17th, 2024**

09:30 – 10:00 **Seung-Joo Lee**

*TBA*

10:00 – 10:45 **Ben Heidenreich (UMass, Amherst)**

*Discussion*

10:45 – 11:15 **Coffee break**

11:15 – 12:00 **Savdeep Sethi (U of Chicago)**

*Discussion*

12:00 – 14:00 **Lunch break**

• **Thursday, July 18th, 2024**

09:30 – 10:00 **Sonia Paban (Harvard U, Cambridge)**

*Primordial Stochastic Gravitational Wave Backgrounds in Multi-field Inflation*

10:00 – 10:30 **Ana Achúcarro (Leiden U)**

*Rethinking multifield inflation*

10:30 – 11:00 **Coffee break**

11:00 – 11:30 **Muthusamy Rajaguru (Lehigh U, Bethlehem)**

*Stabilizing Massless Fields in the  $2^6$  Landau-Ginzburg Model*

11:30 – 12:00 **Daniel Junghans (TU Vienna)**

*Problems of  $O_8$  de Sitter models*

12:00 – 14:00 **Lunch break**

14:00 – 14:30 **Pablo Soler (U de Oviedo)**

*TBA*

14:30 – 15:00 **Kim Hee-Cheol (Postech, Pohang)**

*Constraints on Kahler moduli space of 6d  $N=1$  Supergravity*

15:00 – 15:30 **Coffee break**

15:30 – 16:14 **Anamaria Font (Central U of Venezuela, Caracas)** *Discussion*

• **Friday, July 19th, 2024**

09:30 – 10:00 **Keshav Dasgupta (McGill U)**

*What if string theory has a de Sitter excited state?*

10:00 – 10:30 **Yixuan Li (MPP, Munich)**

*Holography for KKL $T$ : Anatomy of a Flow*

10:30 – 11:00 **Coffee break**

11:00 – 11:30 **Georgios Tringas (LAPTh Annecy)**

*Anisotropic scale-separated AdS flux vacua*

11:30 – 12:00 **Jose Calderon-Infante (CERN, Geneva)**

*Tensionless Strings Limits in 4d Conformal Manifolds*

12:00 – 14:00 **Lunch break**

**All talks take place at ESI Boltzmann Lecture Hall!**