

Session Program

3-7 Jul 2023



String Phenomenology 2023

Parallel

Institute for Basic Science, Daejeon
Science and Culture Center, Institute for Basic Science Daejeon, Korea

Tuesday 4 July

14:00

Parallel: Tue 1-A

Session |

Location: Institute for Basic Science, Daejeon, Science and Culture Center, Institute for Basic Science Daejeon, Korea |

Convener: Tatsuo Kobayashi

14:00-14:15

Upper bound on the Atiyah-Singer index from tadpole cancellation

Speaker

Hajime Otsuka

14:15-14:30

Blow-up of magnetized T^2/Z_N and index theorem

Speaker

Maki Takeuchi

14:30-14:45

Small Kinetic Mixing in String Theory

Speaker

Ruben Kuespert

14:45-15:00

Phenomenology in magnetized orbifold models

Speaker

Shohei Takada

15:00-15:15

A dataset of R-symmetric Wess-Zumino models

Speaker

Zheng Sun

15:15-15:30

Meson scattering from string scattering in holographic QCD

Speaker

Dorin Weissman

15:30

16:00

Parallel: Tue 2-A

Session |

Location: Institute for Basic Science, Daejeon, Science and Culture Center, Institute for Basic Science Daejeon, Korea |

Convener: Fabian Ruehle

16:00-16:15

Axion-Photon Couplings in the String Landscape

Speaker

Naomi Gendler

16:15-16:30

Line bundle cohomology

Speaker

Andrei Constantin

16:30-16:45

Decoding Nature with Nature's Tools

Speaker

Thomas Harvey

16:45-17:00

How many Calabi-Yau manifolds are known? Placing upper and lower bounds on the Kreuzer-Skarke list.

Speaker

Cristofero Fraser-Taliente

17:00-17:15

FTheoryTools: A computational tool for analysis of singular elliptic fibrations

Speaker

Andrew Turner

17:15-17:30

Fano 3-Folds, Ypk Manifolds and Brane Brick Models

Speaker

Rak-Kyeong Seong

17:30

Thursday 6 July

14:00

Parallel: Thu 1-A

Session |

Location: Institute for Basic Science, Daejeon, Science and Culture Center, Institute for Basic Science Daejeon, Korea |

Convener: Kang-Sin Choi

14:00–14:15

Full Landscape of Supersymmetric Pati-Salam Models from Intersection Brane Worlds

Speaker

Rui Sun

14:15–14:30

Flavor, CP and Metaplectic Modular Symmetries in Type IIB Chiral Flux Vacua

Speaker

Takafumi Kai

14:30–14:45

Quark and lepton hierarchies from S_4 modular flavor symmetry

Speaker

Junichiro Kawamura

14:45–15:00

Root bundles: Applications to F-theory Standard model

Speaker

Martin Bies

15:00–15:15

Towards natural and realistic E7 GUTs in F-theory

Speaker

Shing Yan Li

15:15–15:30

Hairy Black Holes by Spontaneous Symmetry Breaking

Speaker

Miok Park

15:30

16:00

Parallel: Thu 2-A

Session |

Location: Institute for Basic Science, Daejeon, Science and Culture Center, Institute for Basic Science Daejeon, Korea |

Convener: Sungjay Lee

16:00–16:15

$\mathcal{D}^{(p-1)}$ -Bracket for D^p -branes in Large R-R Field Background

Speaker

Chen-Te Ma

16:15–16:30

Generalised Bismut-Lichnerowicz formulae and quantum corrections in string theory

Speaker

Yi Zhang

16:30–16:45

Strings, D-branes, and supergravities from supermembranes with discrete spectra**Speaker**

Camilo las Heras

16:45–17:00

Free Fermionic Webs of Heterotic T-folds**Speaker**

Benjamin Percival

17:00–17:15

Wilson loops, holomorphic anomaly equations and blowup equations**Speaker**

Xin Wang

17:15–17:30

Finiteness of flux vacua and the tadpole conjecture**Speaker**

Jeroen Monnee

17:30–17:45

Reducing differential systems for Feynman integrals and cosmological correlators**Speaker**

Arno Hoefnagels

17:45