

Exotic Approaches to Naturalness

Report of Contributions

Contribution ID: 1

Type: **not specified**

UV/IR Mixing, EFTs, Hidden Cancellations, and Origami: Calculating the Higgs Mass and Gauge-Coupling Running in String Theory - Virtual

Monday 30 January 2023 11:30 (45 minutes)

Presenter: DIENES, Keith (University of Arizona)

Contribution ID: 2

Type: **not specified**

Hidden Symmetries, IR/UV and the Combinatorial Geometry of Spacetime and Quantum Mechanics - Virtual

Monday 30 January 2023 14:00 (45 minutes)

Presenter: ARKANI-HAMED, Nima (IAS)

Contribution ID: 3

Type: **not specified**

Wilson Coefficients and Natural Zeros from the On-Shell Viewpoint

Monday 30 January 2023 15:45 (45 minutes)

Presenter: VON HARLING, Benedict (IFAE)

Contribution ID: 4

Type: **not specified**

Exotic Field Theories for Prosaic Unnatural Physics

Tuesday 31 January 2023 11:30 (45 minutes)

Presenter: ROTHSTEIN, Ira (CMU)

Contribution ID: 5

Type: **not specified**

Connecting with the UV: Positivity and Causality with Gravity

Tuesday 31 January 2023 14:00 (45 minutes)

Presenter: DE RHAM, Claudia

Contribution ID: 6

Type: **not specified**

A couple of comments on naturalness

Tuesday 31 January 2023 15:45 (45 minutes)

Presenter: DUBOVSKY, Sergei (NYU)

Contribution ID: 7

Type: **not specified**

Cosmological approaches to naturalness

Wednesday 1 February 2023 11:30 (45 minutes)

Presenter: YOU, Tiann Tevong (Imperial College Sci., Tech. & Med. (GB))

Contribution ID: 8

Type: **not specified**

Predicting the Higgs Mass

Wednesday 1 February 2023 14:00 (1 hour)

Presenter: CRAIG, Nathaniel

Contribution ID: 9

Type: **not specified**

Cosmological Explanations of the Higgs Mass

Wednesday 1 February 2023 15:45 (45 minutes)

Presenter: D'AGNOLO, Raffaele

Contribution ID: **10**

Type: **not specified**

Higher Symmetry in Particle Physics - Virtual

Thursday 2 February 2023 11:30 (45 minutes)

Presenter: CÓRDOVA, Clay (Institute for Advanced Study)

Contribution ID: 11

Type: **not specified**

Generalized Symmetries, Naturalness and the Unitarity Puzzle Redux - Virtual

Thursday 2 February 2023 14:00 (45 minutes)

Presenter: KOMARGODSKI, Zohar

Contribution ID: 12

Type: **not specified**

Neutrino Masses from Generalized Symmetry Breaking

Thursday 2 February 2023 15:45 (45 minutes)

Presenter: HONG, Sungwoo (KAIST)

Contribution ID: 13

Type: **not specified**

String Theory, the Cosmological Constant Problem and the Higgs Mass

Friday 3 February 2023 11:30 (45 minutes)

Presenter: BERGLUND, Per (University of New Hampshire (US))

Contribution ID: 14

Type: **not specified**

Naturalness and the Swampland - Virtual

Friday 3 February 2023 15:45 (45 minutes)

Presenter: VALENZUELA AGUI, Irene (CERN)

Contribution ID: 15

Type: **not specified**

Summary

Friday 3 February 2023 16:30 (15 minutes)

Presenter: COHEN, Tim (CERN)

Contribution ID: **16**

Type: **not specified**

S-matrix and naturalness

Monday 30 January 2023 17:00 (45 minutes)

Presenter: DVALI, Georgi

Contribution ID: **18**

Type: **not specified**

Welcome

Monday 30 January 2023 11:20 (10 minutes)

Presenter: ABEL, Steven Adam (University of Durham (GB))