

SUPERSYMMETRY BREAKING WITH FIELDS, STRINGS AND BRANES



Thursday, 25 May 2023 - Saturday, 27 May 2023

Pisa

Scientific Programme

May 25

9:30 - 9:45 Introduction

9:45 – 10:30 Massimo BIANCHI, "Black Hole and Fuzzball Perturbations from quantum Seiberg-Witten curves" (Review),

10:30 – 11:00 Alessandra GNECCHI, "Swampland constraints and black hole entropy in $N=2$ supergravity"

11:00 – 11:30 Break

11:30 – 12:00 Suvendu GIRI, "Black hole mimickers from string theory" [Zoom]

12:00 – 12:30 Fabio APRUZZI, "Aspects of categorical symmetries from branes"

16:00 – 16:30 Antoine PASTERNAK, "Dynamical supersymmetry breaking in string theory"

16:30 - 17:00 Fotis FARAKOS, "Goldstino Condensation"

17:00 – 17:30 Break

17:30 – 18:00 Massimo PORRATI, "Supergravity Models of Inflation with New Fayet-Iliopoulos Terms" [Zoom]

18:00 – 18:30 Ivano BASILE, "Global anomalies in string theory with broken supersymmetry"

May 26

9:30 – 10:15 Alessandro TOMASIELLO, "String compactifications", (Review)

10:15 – 10:45 Antonio AMARITI, "Updates on 3d $N=2$ dualities"

10:45 – 11:15 Break

11:15 – 12:00 Giorgio LEONE, "Misaligned supersymmetry in string vacua" – Salvatore RAUCCI, "Fake supersymmetry with tadpole potentials"

12:00 – 12:30 Davide FIORAVANTI, "A new perspective on integrability and (susy) gauge theories"

15:30 – 16:00 Emilian DUDAS, "Variations on brane supersymmetry breaking, I"

16:00 - 16:30 Carlo ANGELANTONJ, "Variations on brane supersymmetry breaking, II"

16:30 – 17:00 Break

17:00 – 17:30 Savdeep SETHI, "Saddles and Non-supersymmetric Strings" [Zoom]

17:30 – 18:00 Ralph BLUMENHAGEN, "Dynamical Cobordism and the End of the World"

19:00 Departure for Conference Dinner (from the parking at Via Paparelli)

May 27

9:30 – 10:15 Carlo HEISSENBERG, "The gravity eikonal, black-hole encounters and gravitational waves" (Review)

10:15 – 10:45 Anamaria FONT, "Variations on non-supersymmetric strings"

10:45 – 11:15 Break

11:15 – 11:45 Augusto SAGNOTTI, "Lessons from Dudas-Mourad vacua and some generalizations"

11:45 – 12:15 Jihad MOURAD, "Boundary conditions and stability in non-supersymmetric strings"

12:15 – 12:30 Conclusion