

Bicocca-Surrey School on “Prospects in Strings, Fields and Related Topics”



DIPARTIMENTO DI
FISICA "GIUSEPPE OCCHIALINI"



fondazione
c a r i p l o

Monday 17 September 2018 - Friday 21 September 2018

University of Milano-Bicocca

Scientific Programme

- Supersymmetric gauge theories in 3+1 dimensions:
non-renormalization theorems, holomorphy and Seiberg dualities, A-maximization (N. Mekareeya, Unimib)

- Supersymmetric gauge theories in 2+1 dimensions:
monopole operators, 3d mirror symmetry and brane setups, Aharony dualities, Z-extremization (S. Benvenuti, SISSA)

- Introduction to localization in supersymmetric QFT
(S. Cremonesi, Durham)

- Introduction to classical and quantum integrability
(A. Torrielli, Surrey)

- Introduction to classification of supergravity solutions
(J. Gutowski, Surrey)