

10th Bologna Workshop on Conformal Field Theory and Integrable Models



CFT AND INTEGRABLE MODELS

and their applications from gauge/gravity dualities to statistical mechanics and quantum information



Monday, 4 September 2023 - Thursday, 7 September 2023

Dept. of Physics and Astronomy - University of Bologna

Topics

The workshop focuses mainly on the following topics:

Conformal Field Theories: theory and applications

CFT boundaries and defects

Conformal bootstrap in more than two dimensions

Integrability in Quantum Fields, Statistical Mechanics and in gauge/gravity duality

Applications of CFT and Integrability to Quantum Information and Entanglement Entropy

Thermodynamic Bethe Ansatz, Finite size effects, NLIE

Generalized hydrodynamics and transport in integrable systems

\bar{T} and current-current deformations in CFT and Integrable QFT