

QCD Vacuum Structure and Confinement



Contribution ID: 4

Type: **not specified**

Lessons from Quantum Strings for Quantum Gravity

Tuesday 27 August 2024 16:30 (45 minutes)

I consider a generalization of the Liouville action which corresponds to the Nambu-Goto string like the usual Liouville action corresponds to the Polyakov string. The two differ by higher-derivative terms which are negligible classically but revive quantumly. I exactly solve the four-derivative case and argue that conformal symmetry of the Nambu-Goto string in 4 dimensions is described by the (4,3) minimal model.

Author: Dr MAKEENKO, Yuri (Niels Bohr Institute)

Presenter: Dr MAKEENKO, Yuri (Niels Bohr Institute)