



Contribution ID: 106

Type: Oral presentation

## On the behaviour of the interquark potential in the vicinity of the deconfinement transition.

*Monday, 26 July 2021 14:45 (15 minutes)*

We show that in the vicinity of the deconfinement transition the behaviour of the interquark potential in pure lattice gauge theories can be precisely predicted combining results from Conformal Field Theory, Effective String Theory and Integrable Models. We compare these predictions with simulations of the  $SU(2)$  gauge model both in  $(2+1)$  and in  $(3+1)$  dimensions.

**Primary author:** CASELLE, Michele (Torino University)

**Presenter:** CASELLE, Michele (Torino University)

**Session Classification:** Vacuum Structure, Confinement, and Chiral Symmetry

**Track Classification:** Vacuum Structure, Confinement, and Chiral Symmetry