

Quantum-critical point of 1+1-dimensional adjoint QCD

Thursday, 28 August 2014 17:00 (30 minutes)

In this talk I will discuss 1+1-dimensional QCD with fermions in the adjoint representation. In the high density regime, the infrared physics of this theory is described by a constrained free fermion theory with an emergent $N=(2,2)$ superconformal symmetry. I will discuss the partition function and the search for chiral primaries in this model. In view of the construction of a holographic dual, I will also discuss the chiral ring of chiral primary fields at large N .

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Session Classification: String theory

Track Classification: 11) String theory: ADS/QCD or more generally, ADS/QFT