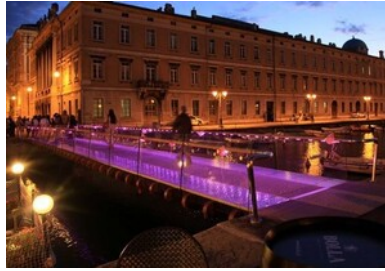


Meeting PRIN "String Theory as a bridge between Gauge Theories and Quantum Gravity"



Contribution ID: 15

Type: **not specified**

Wilson loop correlators at strong coupling in $\mathcal{N}=2$ quiver gauge theories

Thursday, February 22, 2024 3:30 PM (15 minutes)

In this talk I will discuss recent developments in the study of Wilson loop correlators in four-dimensional $\mathcal{N}=2$ superconformal gauge theories. Using supersymmetric localization, it is possible to map the computation of these observables to an interacting matrix model and obtain expressions for these correlators in terms of Fredholm determinants of a Bessel operator, that are valid for any value of the 't Hooft coupling in the planar limit of the theory. These expressions can then be studied at the leading order of the strong-coupling expansion exploiting the properties of the Bessel operator.

Presenter: VALLARINO, Paolo (Università di Torino)

Session Classification: Gong Show 1