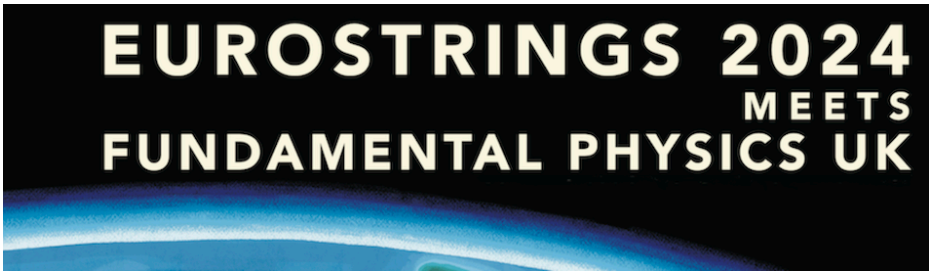

Contribution ID: **81** Type: **Talk in parallel session**

Integrated correlators in a $SU(N)$ $\mathcal{N} = 2$ SYM theory with fundamental flavours

Monday 2 September 2024 14:30 (20 minutes)

I will discuss recent developments in the study of integrated 4-point correlators of primary operators in a four-dimensional $\mathcal{N} = 2$ superconformal field theory with $SU(N)$ gauge group and matter in the fundamental and anti-symmetric representations. Exploiting supersymmetric localization, it is possible to map the computation of these correlators to an interacting matrix model and obtain expressions that are valid for any value of the 't Hooft coupling in the large-N limit of the theory, allowing to explore subleading orders in the planar expansion, too. In particular, I will focus on the strong-coupling regime, showing how to extract analytically the strong-coupling expansion of the integrated correlators from these exact expressions.

Link to publication (if applicable)

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Presenter: VALLARINO, Paolo

Session Classification: Parallel sessions

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