Contribution ID: **125**   Type: **Talk in parallel session**

CFT Data of Stringy Operators of N = 4 Super-Yang-Mills at Strong Coupling

Monday 2 September 2024 14:30 (20 minutes)

We consider 4d N=4 SYM theory in the planar limit at strong coupling. We focus on "stringy"operators which are single-trace operators accessible by integrability (for example by the Quantum Spectral Curve). We discuss how to assign stringy operators to KK-towers on AdS5 \times S5 and how the degeneracy of excited strings breaks.

We use these observations to lift the degeneracy of the structure constants of the "stringy"operators at the leading order at strong coupling unmixing the existing constrains. We describe the observed patterns of the Structure Constants as well as possible insights on string interactions they can provide us.

The talk is based on 2310.06041.

Link to publication (if applicable)

https://link.springer.com/article/10.1007/JHEP03(2024)090

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