Contribution ID: **106**   Type: **not specified**

Bootstrapping Gukov-Witten defects in N=4 SYM

Wednesday 24 September 2025 15:45 (15 minutes)

I will discuss Gukov-Witten surface defects in N=4 Super Yang-Mills from the point of view of the analytic conformal bootstrap. These defects are defined by the singular behaviour of the gauge and scalar fields along a surface. After reviewing a recently derived conformal dispersion relation, I will show how to bootstrap the two-point functions of bulk operators in presence of a surface defect.

Primary author: BONOMI, Davide (T (Stringtheory))

Presenter: BONOMI, Davide (T (Stringtheory))

Session Classification: Parallel Sessions Wednesday String

Track Classification: Strings & Mathematical Physics