

# NEW PERSPECTIVES IN CONFORMAL FIELD THEORY AND GRAVITY

HELMHOLTZ

26 - 29 September 2023 DESY Hamburg, Germany



Contribution ID: 306

Type: **not specified**

## Constraints of Superconformal Symmetry

*Wednesday 27 September 2023 16:36 (18 minutes)*

Due to their importance in both, AdS/CFT-correspondence as well as scattering amplitude research, half-BPS correlators of  $\mathcal{N} = 4$  SYM have experienced a tremendous amount of study in the past years.\

Especially 4- and higher point correlators are of huge interest given that, via the OPE, etc. they contain a wealth of CFT data, also for more complex operators. Despite their importance, very little is known about 5- and higher point correlators.\

In this talk, we will present a method to constrain those higher point correlators further (to be specified later).

### Summary

**Primary author:** Ms MÜLLER, Sophie

**Presenter:** Ms MÜLLER, Sophie

**Session Classification:** Parallel Session Wednesday: Strings / Mathematical Physics IV

**Track Classification:** Strings & Mathematical Physics