Eurostrings 2024



Contribution ID: 170

Type: Plenary talk

Holographic correlators with multi-particle states

Tuesday 3 September 2024 12:00 (30 minutes)

In the AdS/CFT context, 1/2-BPS asymptotically AdS supergravity solutions can be used to derive holographic 4-point correlators. Beside reproducing known strong-coupling results for the 4-point correlators with single particle states, this approach can be used to derive new 4-point correlators with two single particle and two multiparticle states. I will provide some explicit examples of these correlators with double-particle states both in AdS3 and AdS5. The results can be written in terms of a natural generalisation of the usual D-functions appearing in the 4-point correlators with single particle states.

Link to publication (if applicable)

Presenter: RUSSO, Rodolfo **Session Classification:** Plenary session