Contribution ID : **67**   Type : **Oral Presentation**

Transcendental Structures and Nonperturbative Resummation in Supersymmetric Two-Point Functions

Wednesday, 3 December 2025 11:00 (0:30)

Content

Transcendental structures play a key role in perturbative QFT, where uniform transcendentality helps organize observables and Feynman integrals. I will discuss recent conjectures on the transcendental pattern of two-point functions of supersymmetric operators in N=4 super Yang-Mills theory and show how transcendentality guides the resummation of the perturbative series for lowest dimension operators.

Primary author(s) :   MARCO, Bianchi (USS)

Presenter(s) :   MARCO, Bianchi (USS)