

## Quantum field theory meets gravity



Contribution ID: 72

Type: **not specified**

## Five-point functions of N=4 SYM at strong coupling

*Thursday 26 September 2019 15:20 (20 minutes)*

In this talk I consider five-point functions of N=4 SYM, which at strong coupling become AdS amplitudes in type IIB supergravity. I will show how to exploit symmetries and self-consistency conditions to bootstrap these amplitudes, which are naturally written in Mellin space. Finally, I will highlight the new data obtained and comment on generalizations of this work.

**Primary author:** Dr PEREIRA, Raul (Trinity College Dublin)

**Presenter:** Dr PEREIRA, Raul (Trinity College Dublin)

**Session Classification:** Parallel Session: String & Mathematical Physics

**Track Classification:** String & Mathematical Physics