



Contribution ID: 150

Type: **Talk in parallel session**

## **Non-analytic terms of string amplitudes from partial waves**

*Wednesday 4 September 2024 12:10 (20 minutes)*

Despite recent progress in the evaluation of 4pt string amplitudes, not much is known about the coefficients in their low energy expansion beyond genus 1. I will describe a simple method, based on the partial-wave decomposition of the tree-level amplitude, which predicts the leading logarithmic discontinuity at any order in  $\alpha'$  and any genus. Based on WIP with Yu-tin Huang and Michele Santagata.

### **Link to publication (if applicable)**

**Author:** Mr PAUL, Hynek (KU Leuven)

**Presenter:** Mr PAUL, Hynek (KU Leuven)

**Session Classification:** Parallel sessions

**Track Classification:** Amplitudes (string theory, field theory, gravity)