## **Eurostrings 2022, Lyon**



ID de Contribution: 113 Type: Non spécifié

## **D-instanton Effects in Type IIB String Theory**

jeudi 28 avril 2022 11:15 (25 minutes)

We study D-instanton contributions to supergravity scattering amplitudes beyond the leading order. These effects are non-perturbative in the string coupling, and are constrained by S-duality at low orders in the momentum expansion of the spacetime effective action. Our worldsheet approach reproduces the results expected from S-duality and also predicts infinitely many terms at higher orders in the momentum expansion.

## Type of contribution

Contributed Talk only

Auteur principal: BALTHAZAR, Bruno (University of Chicago)

Orateur: BALTHAZAR, Bruno (University of Chicago)

Classification de Session: Contributed talks

Classification de thématique: Contributed talks