Institut Henri Poincaré

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String Theory in Greater Paris

Rencontres Théoriciennes

"Supergravité, théorie des cordes et théorie M"

Jeudi 18 Mars 2021, 10:30

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Where is String Theory ?

Abstract : In the recent past the S-matrix Bootstrap has provided precise quantitative bounds on the low energy Wilson coefficients compatible with causality, crossing symmetry and unitarity for some class of EFTs associated with the low energy QCD dynamics. In this talk I will discuss the first application of this formalism to quantum gravity theories. I will focus on the first non universal correction to the flat space scattering amplitude of 10 dimensional supergravity particles, and compare the results with the String Theory predictions.

Institut Henri Poincaré, salle 314, 3ème étage

Retrouvez les activités de la communauté parisienne de théorie des cordes sur
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