Institut Henri Poincaré

11 rue Pierre et Marie Curie, 75231 Paris cedex 05

String Theory in Greater Paris

Rencontres Théoriciennes

"Supergravité, théorie des cordes et théorie M"

Jeudi 21 Avril 2022, 10:00

Arthur Lipstein

Durham University

Cosmological Scattering Equations

In flat space, the scattering equations of Cachazo, He, and Yuan revolutionised the study of scattering amplitudes, revealing new double copy relations and new techniques for computing loop amplitudes and soft limits. In this talk, I will describe recent progress in extending this to cosmological observables, notably boundary correlators of certain scalar theories in four dimensional de Sitter space, which provide toy models for inflation.

Institut Henri Poincaré, salle 314, 3ème étage