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String Theory in Greater Paris

Rencontres Théoriciennes

"Supergravité, théorie des cordes et théorie M"

Jeudi 12 Mai 2022, 16:30

Lorenz Eberhardt

IAS

A perturbative CFT dual for pure NS-NS AdS3 strings

I will discuss perturbative string theory on AdS3 with pure NS-NS flux and propose a dual spacetime CFT. It is given by a symmetric orbifold of a linear dilaton theory deformed by a marginal operator from the twist-2 sector. After explaining the ingredients of the proposed duality in detail, I discuss the computation of two- and three-point functions. The CFT results at large N agree with the string computation at genus 0, thus providing ample evidence for a duality. I also show how to match the full spectra of both short and long strings.

Institut Henri Poincaré, salle 314, 3ème étage

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