

Stijn van Tongeren

Title:

“The AdS₅ x S⁵ mirror model as a string”

Abstract:

In this poster I explain how the double Wick rotated world sheet theory of the AdS₅xS⁵ string in a light cone gauge can be viewed as the light cone theory of a string on another background. I will indicate various interesting aspects of this background, such as its relation to dS₅xH⁵ and its hidden supersymmetry. I will also explain how at the level of the sigma model this story extends to a recently constructed integrable deformation of the AdS₅xS⁵ coset sigma model, giving rise to the interesting feature of mirror duality.