



Contribution ID: 1030

Type: **Parallel Talk**

Yukawas of light stringy states

Saturday, July 8, 2017 12:30 PM (20 minutes)

We investigate light massive string states that appear at brane intersections. They replicate the massless spectrum in a richer fashion and may be parametrically lighter than standard Regge excitations. We compute tri-linear Yukawa couplings of such open-string states to massless ones and to one another. Due to ambiguities in the normalisation of the vertex operators, that involve twist fields, we proceed via factorization of appropriate scattering amplitudes. Some peculiar features are observed that may lead to interesting signatures at colliders in the future.

Experimental Collaboration

Primary author: ANASTASOPOULOS, Pascal (Unknown)

Presenter: ANASTASOPOULOS, Pascal (Unknown)

Session Classification: QFT and string theory

Track Classification: Quantum Field and String Theory