



Contribution ID: 74

Type: **not specified**

Curvy Parke-Taylor

Wednesday 16 December 2020 10:00 (30 minutes)

I will report on our discovery of the first-ever all-multiplicity formulae for scattering amplitudes in curved backgrounds. This will involve certain chiral backgrounds treated without any approximations, a slice of twistor theory, a taste of spinor-helicity variables, and a bit of holography for dessert. The end result is a beautiful extension of the Parke-Taylor formula of MHV gluon amplitudes from trivial backgrounds to an infinite class of self-dual radiative gauge field backgrounds.

Would you be interested in receiving feedback on your talk?

Yes

Will you be pre-recording your talk?

No

Length of talk

15-25 minutes

Are you happy for your talk to be recorded?

Yes

Author: SHARMA, Atul (University of Oxford)

Presenter: SHARMA, Atul (University of Oxford)

Session Classification: Parallel Stream 2