

Amplitudes on plane wave backgrounds

Wednesday 5 September 2018 10:15 (45 minutes)

We set up the study of scattering amplitudes on both gravitational and gauge theory plane wave backgrounds. We do so with a view to exploring the double copy in a semi-nonperturbative framework and to extend the ambi-twistor string formulae to fully curved backgrounds. We give a double copy prescription at three points, and a version of the curved background BCJ relations at four points. We also discuss memory effects and tails of waves.

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Session Classification: Research Talks