

Modern Aspects of Perturbative Quantum Field Theory and Gravity

Abstract

In this talk, I will briefly review the helicity formalism as a new and powerful method to compute scattering amplitudes. Using the so-called recursion relations, namely BCFW and KLT it is possible to compute processes with multiple particles in the final state in a very simple way. I will show in a pure Yang-Mills theory how these modern techniques work.

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