

XXVIII International Workshop on Deep Inelastic Scattering and Related Subjects



Contribution ID: 11

Type: **Contributed Talk**

The Regge limit of scattering amplitudes

Thursday, 26 March 2020 09:00 (18 minutes)

Scattering amplitudes have always been essential to compute cross sections and production rates at colliders. In the last few years, though, there has been terrific progress in understanding the rich mathematical structure of scattering amplitudes, the more so in specific kinematic regions, like the Regge limit. In this talk, I will outline what we have learnt about the weak-coupling expansions of amplitudes in quantum field theories, and then specify it to the Regge limit of QCD and of N=4 super-Yang-Mills theory.

Primary author: Dr DEL DUCA, Vittorio (ETH Zurich & INFN LNF)

Presenter: Dr DEL DUCA, Vittorio (ETH Zurich & INFN LNF)

Session Classification: Small-x, Diffraction and Vector Mesons

Track Classification: Small-x, Diffraction and Vector Mesons