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New Results for Reggeons using FRG and Wilson Regularization and ϵ –expansion

Tuesday 24 September 2024 17:40 (20 minutes)

In this talk we extend our recent non perturbative functional renormalization group analysis of Reggeon Field Theory to the interactions of Pomeron/Odderon fields and two Pomeron fields. We establish the existence of a fixed point and its universal properties. This analysis, allows to connect the nonperturbative infrared region (large transverse distances) with the UV region of small transverse distances where the high-energy limit of perturbative QCD applies. We discuss the implications of result for the existence of an Odderon in high-energy scattering.

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