XXI International Workshop on Deep-Inelastic Scattering and Related Subjects



Contribution ID: 276

Type: Talk in Parallel Session at DIS2013

Computing the full two-loop gluon Regge trajectory within Lipatov's high energy effective action

Tuesday 23 April 2013 09:30 (20 minutes)

Lipatov's high energy effective action is proving to be a useful computational tool for studying QCD scattering amplitudes in the high energy limit. We explain how we calculate within this framework the full gluon Regge trajectory at two loops using a novel regularization and subtraction procedure.

Author: CHACHAMIS, Grigorios (IFIC (CSIC/UV) Valencia)

Co-authors: SABIO VERA, Agustin (CERN); MADRIGAL MARTINEZ, Jose Daniel (IFT Madrid); HENTSCHIN-SKI, Martin (Brookhaven National Laboratory)

Presenter: CHACHAMIS, Grigorios (IFIC (CSIC/UV) Valencia)

Session Classification: WG2: Low x and Diffraction

Track Classification: Small-x, Diffraction and Vector Mesons