

Contribution ID: 165 Type: Talk

BFKL phenomenology: resummation of high-energy logs in inclusive processes

Thursday 15 July 2021 17:45 (15 minutes)

We present recent BFKL phenomenological studies for several novel probes that have been proposed for the LHC and different collider environments. Since that the typical BFKL observables at the LHC are the azimuthal angle ϕ correlations of tagged particles in the final state, which are separated in rapidity, a specific attention has been drawn to the behaviour of the so-called azimuthal correlation.

Preferred track

Primary authors: CELIBERTO, Francesco Giovanni (ECT*/FBK Trento & INFN-TIFPA); FUCILLA, Michael (Università della Calabria & INFN Cosenza (Italy)); IVANOV, Dmitry (Sobolev Institute of Mathematics 630090 Novosibirsk, Russia); MOHAMMED, Mohammed Maher Abdelrahim (University of Calabria and INFN Cosenza (Italy)); PAPA, Alessandro (Università della Calabria & INFN Cosenza (Italy))

Presenter: MOHAMMED, Mohammed Maher Abdelrahim (University of Calabria and INFN Cosenza (Italy)

Session Classification: Forward and diffractive physics

Track Classification: Forward and diffractive physics