

Valence and sea parton correlations in double parton scattering from data

Numerous experiments have yielded diverse results when measuring the effective cross section of double parton scattering during proton collisions. This wide range motivated us to assume that parton correlations in the transverse plane vary depending on whether we are dealing with valence or sea partons. Adopting this approach allowed us to fit available data and found that sea parton pairs show a higher correlation in the transverse plane compared to valence-sea parton pairs.

Auteur principal: COSTA LOVATO, João Vitor (Universidade Federal de Santa Catarina)

Orateur: COSTA LOVATO, João Vitor (Universidade Federal de Santa Catarina)