



Contribution ID: 195

Type: Postar

Lepton proton two photon exchange with soft photon approximation

We present an improved evaluation of the two-photon exchange correction to lepton proton scattering using heavy baryon chiral perturbation theory at next-to-leading order using elastic intermediate state and adhering to soft photon approximation. A more systematic approach is applied to the loop integrations, eliminating some of the crude approximations from previous work.

Field of contribution

Theory

Author: GOSWAMI, Rakshanda
Co-authors: TALUKDAR, Pulak (IIT Guwahati); Dr RAHA, Udit
Presenter: GOSWAMI, Rakshanda

Track Classification: Heavy ion and QCD