

Abstract: Predictions of diffractive, total, and total-inelastic cross sections at the LHC based on our pre-LHC renormalization model of diffraction RENORM are supported by recent results. In an effort to elucidate the QCD nature of diffraction, we compare the RENORM predictions with those of several other available models, highlighting differences in unitarization, rapidity gap formation, low/high-mass diffraction, and hadronization.