

Two boson interaction in high energy physics with dipole formalism

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In the high energy regime, in light cone coordinates it is possible to calculate the probability of bosons (γ, W^\pm, Z, g) floating in a quark-antiquark pair, which in turn can be approached through of the dipole formalism in the high energy regime. In this work we present important observables that will be essential to study the background contributions of future electron-positron accelerators, such as contributions from interactions between two bosons in ultraperipheral collisions measured at the LHC.

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