

Low energy theorems for gauge bosons scattering in left-right symmetric models

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Abstract content

Summary

In this work low energy theorems for the longitudinal modes of the gauge bosons contained in the $SU(2)_L \times SU(2)_R \times U(1)_{B-L}$ electroweak gauge theory are derived. These theorems are valid for energies in the domain of applicability of the Equivalence Theorem, and hold for all left-right symmetric models assuming that there are no extra contributions from light scalars to the scattering amplitudes.

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