

Study of the $Z_H \rightarrow \gamma H$ decay in the Littlest Higgs Model

Abstract content

A calculation of the $Z_H \rightarrow \gamma H$ decay for extra neutral Z_H gauge boson predicted in Littlest Higgs model is presented. Our calculations involve the main contributions at one-loop level induced by fermions, scalars and gauge bosons. Preliminary results show a very suppressed branching ratio of the order of 10^{-6} .

Summary

Primary author(s) : Dr. CORTES MALDONADO, Ismael (CINVESTAV)

Co-author(s) : Dr. ARANDA SÁNCHEZ, Jorge Isidro (UMSNH); Dr. RAMÍREZ ZAVALA, Fernando (UMSNH); Dr. TUTUTI HERNÁNDEZ, Eduardo Salvador (UMSNH)

Presenter(s) : Dr. CORTES MALDONADO, Ismael (CINVESTAV)