

Little Higgs model effects in $\gamma\gamma \rightarrow \gamma\gamma$

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The predictions by Standard Model (SM) of particle physics are in excellent agreement with experiments till date. But still theoretically SM has well emphasized problems like fine-tuning and hierarchy problem. These problems are associated with the Higgs sector of SM. It is widely believed that some new physics will take over from SM at TeV scale. Many such new physics models have been extensively studied in this pursuit. Little Higgs model (LH) also provides another solution of stabilizing the Higgs mass. These models predict a set of new heavy particles. In this work we investigate the effects of LH model in $\gamma\gamma \rightarrow \gamma\gamma$ scattering.

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