

Bounding the Anomalous HZgamma Coupling Via the Process $e^+e^- \rightarrow \tau^+\tau^-\gamma$

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Abstract content

We obtain limits on the anomalous coupling $HZ\gamma$ through data published by the L3 Collaboration on the process $e^+e^- \rightarrow \tau^+\tau^-\gamma$. Our analysis leads to bounds on this coupling of order 10^{-2} , for an intermediate mass Higgs boson $115 < M_H < 145 \text{ GeV}$, two orders of magnitude above the Standard Model prediction.

Summary

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