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Tau Leptonic Decay \$\tau\rightarrow |\bar{\nu}_{|}\nu_{\tau}\$ in Littlest Higgs Model

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Abstract: We consider the τ leptonic decay $\tau u_rightarrow 1 \sqrt{1}_1 \sqrt{1} \sqrt{\tau u}$ in the framework of the littlest Higgs (LH) model and calculate the corrections of new particles to this decay. We find that the contributions of the charged scalars can be safely ignored and the LH model is in perfect agreement with the universality of the couplings of the SU gauge bosons to the leptonic charged currents. The corrections of the LH model to the τ leptonic decay $\tau u_r (\tau u_r)^1 + \tau u_r)^1 + \tau u_r (\tau u_r)^1 + \tau u_r (\tau u_r)^1 + \tau u_r (\tau u_r)^1 + \tau u_r)^1 + \tau u_r (\tau u_r)^1 + \tau u_r (\tau u_r)^1 + \tau u_r)^1 + \tau u_r (\tau u_r)^1 + \tau u_r (\tau u_r)^1 + \tau u$

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