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The signal strength of the pseudo scalars in the model of electroweak-scaled right-handed neutrinos at the LHC

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We analyze and compute the signal strengths of pseudo scalars in the model of electroweak scaled right-handed neutrinos ($EW\nu_R$) model. The signal strengths are investigated in various major channels at LHC, $\gamma\gamma$, VV , and $b\bar{b}$. By comparing with the experimental results, we could have some excluded regions on the masses of pseudo scalars in our model in two particular parameter spaces. We also show an interesting decay mode which mimics the WW process. From that, an upper limit for coupling of a singlet with right-handed doublets is imposed.

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