

# Gravitational Wave Pathway for Testable Leptogenesis

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In this article, we have reanalysed the classically scale-invariant  $B - L$  model in the context of Leptogenesis using the `{it Mass-Gain}` mechanism coined by Blades `{it et. al.}`. We have found a very close intimate correlation between the scale of breaking and the Mass of Right Handed Neutrinos (RHNs) and have found for the first time probing high scale leptogenesis scale via near future Gravitational-Wave experiments.

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