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Enhanced $B o \mu \bar{\nu}$ Decay at Tree Level

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The presence of extra Yukawa couplings, in particular $\rho_{\tau\mu}$ and ρ_{tu} , can enhance $B\to \mu\bar{\nu}$ rate but leave $B\to \tau\bar{\nu}$ unchanged, thereby their ratio can deviate from the value common to the Standard Model and two Higgs doublet model type II. With recent hint of enhancement in $B\to \mu\bar{\nu}$ using full Belle data,the Belle II experiment could probe this New Physics with just a few ab^{-1} .

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