

../plots/UeN.pdf

FIG. 1. Constraints on $C_{\text{HN}\ell}^e/\Lambda^2$ (GeV^{-2}) as a function of the HNL mass m_N . Limits shown: ATLAS (2019) [?], ATLAS (2022) [?], BEBC(Barouki et al) [?], Belle [?], Borexino [?], CHARM [?], CMS (2018) [?], CMS (2022) [?], KENU (Bryman et al) [?], NA62 [?], PIENU (2017) [?], PIENU (Bryman et al) [?], PMNS Unitarity [?], T2K [?], TRIUMF [?].

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FIG. 2. Constraints on $C_{\text{HN}\ell}^{\mu}/\Lambda^2$ (GeV^{-2}) as a function of the HNL mass m_N . Limits shown: μBooNE (Kelly et al) [?], $\mu \rightarrow Ne\nu_e$ [?], ATLAS (2019) [?], ATLAS (2022) [?], BEBC [?], CMS (2018) [?], CMS (2022) [?], KEK [?], NA3 [?], NA62 [?], NuTeV [?], PIENU [?], PIENU(low μ energy) [?], PMNS Unitarity [?], PSI [?], T2K [?], T2K (Argüelles et al) [?].

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../plots/UtauN.pdf

FIG. 3. Constraints on $C_{\text{HN}\ell}^\tau/\Lambda^2$ (GeV^{-2}) as a function of the HNL mass m_N . Limits shown: $B \rightarrow N\tau$ [?], $D \rightarrow N\tau$ [?], $D_s \rightarrow N\tau$ [?], $\tau \rightarrow N\mu\nu_\mu$ [?], $\tau \rightarrow Ne\nu_e$ [?], PMNS Unitarity [?].

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