

FIG. 1. Constraints on  $C_{\text{HN}\ell}^e/\Lambda^2$  (GeV<sup>-2</sup>) 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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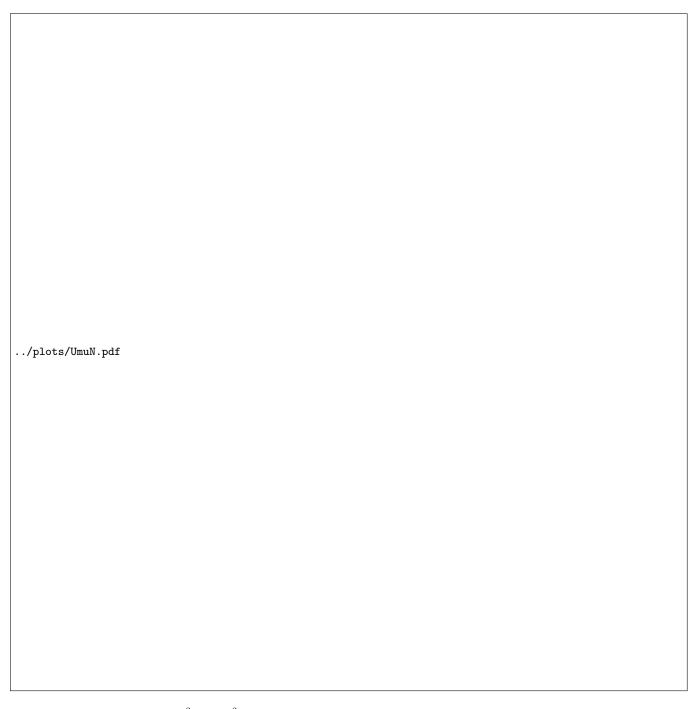


FIG. 2. Constraints on  $C^{\mu}_{\mathrm{HN}\ell}/\Lambda^2$  (GeV<sup>-2</sup>) as a function of the HNL mass  $m_N$ . Limits shown:  $\mu\mathrm{BooNE}$  (Kelly et al) [?],  $\mu \to Ne\nu_e$  [?], ATLAS (2019) [?], ATLAS (2022) [?], BEBC [?], CMS (2018) [?], CMS (2022) [?], KEK [?], NA3 [?], NA62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

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