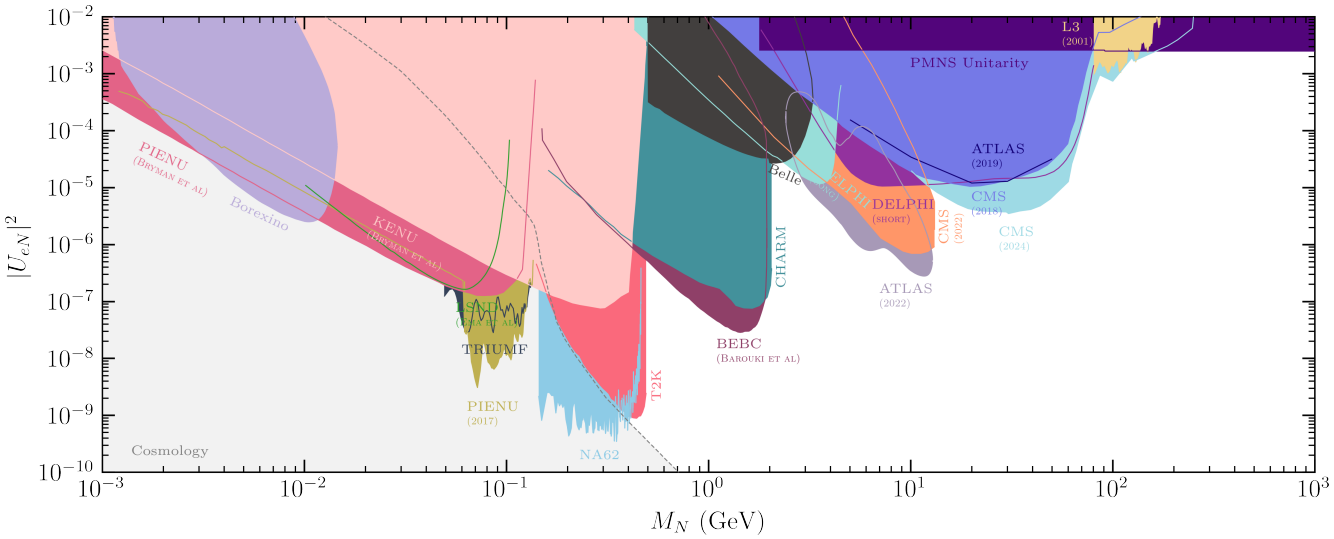

FIG. 1. Constraints on $|U_{eN}|^2$ as a function of the HNL mass m_N. Limits shown: ATLAS (2019) [1], ATLAS (2022) [2], BEBC(Barouki et al) [3], Belle [4], Borexino [5], CHARM [6], CMS (2018) [7], CMS (2022) [8], CMS (2024) [9], Cosmology [10], DELPHI (long) [11], DELPHI (short) [11], KENU (Bryman et al) [12], L3 (2001) [13], LSND (Ema et al) [14], NA62 [15], PIENU (2017) [16], PIENU (Bryman et al) [12], PMNS Unitarity [17], T2K [18], TRIUMF [19].

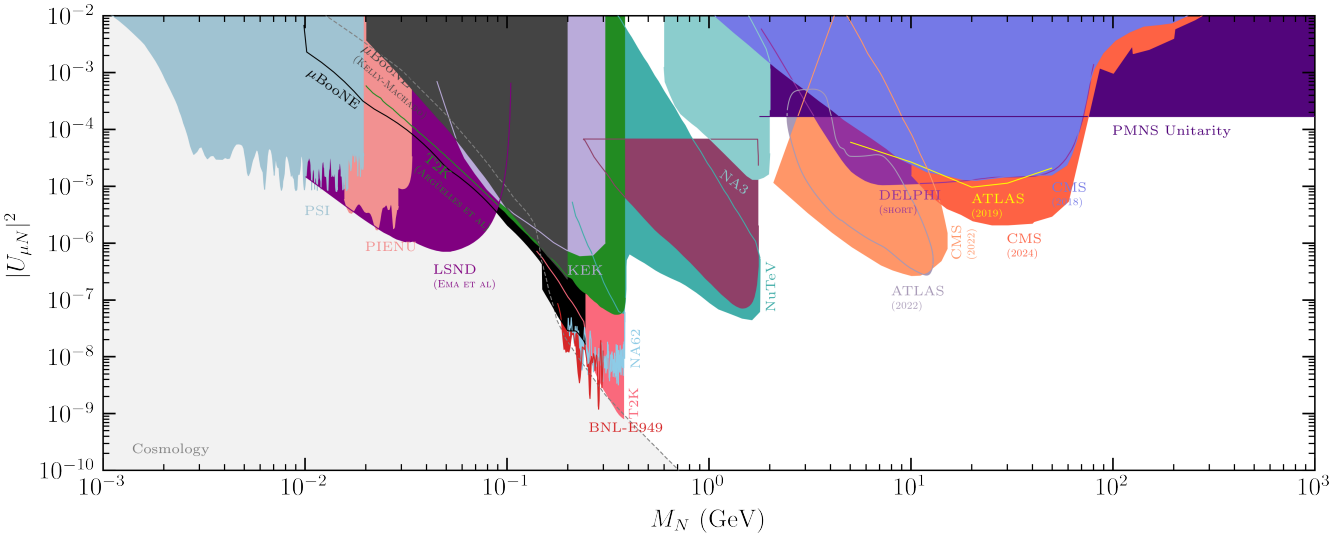

FIG. 2. Constraints on $|U_{\mu N}|^2$ as a function of the HNL mass m_N. Limits shown: μBooNE [**?**], μBooNE (Kelly-Machado) [20], ATLAS (2019) [1], ATLAS (2022) [2], BEBC [21], BNL-E949 [22], CMS (2018) [7], CMS (2018-dilepton) [23], CMS (2022) [8], CMS (2024) [9], CMS (8TeV) [24], Cosmology [10], DELPHI (short) [11], KEK [12], LSND (Ema et al) [14], NA3 [25], NA62 [26], NuTeV [27], PIENU [28], PIENU(low μ energy) [28], PMNS Unitarity [17], PSI [29], T2K [18], T2K (Argüelles et al) [30].

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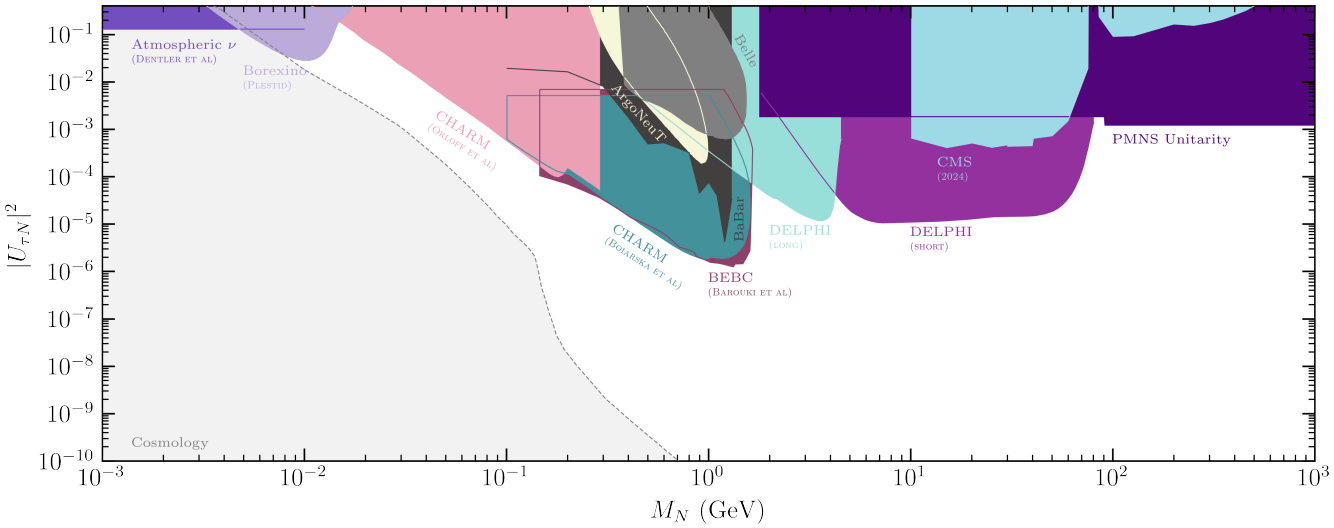

FIG. 3. Constraints on $|U_{\tau N}|^2$ as a function of the HNL mass m_N. Limits shown: ArgoNeuT [31], Atmospheric ν (Dentler et al) [32], BEBC(Barouki et al) [3], BaBar [33], Belle [34], Borexino (Plestid) [35], CHARM (Boiarska et al) [36], CHARM (Orloff et al) [37], CMS (2024) [9], Cosmology [10], DELPHI (long) [11], DELPHI (short) [11], PMNS Unitarity [17].

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