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Heavy neutrino and lepton number violation at high-energy muon collider

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The search of heavy Majorana neutrino is a long-standing topic in the field of high-energy physics and BSM physics. High-energy muon colliders are potentially ideal machines in both energy and precision frontiers. We proposed a clear lepton-number-violating signature through vector boson scattering to search for heavy Majorana neutrino at both $\boxtimes^++\boxtimes^-$ and $\boxtimes^++\boxtimes^-$ colliders (JHEP 09 (2023) 131, arXiv: 2306.17368).

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