

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

Saturday, 16 December 2023 14:00 (15 minutes)

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 $\mu^+ \mu^-$ and $\mu^+ \mu^+$ colliders (JHEP 09 (2023) 131, arXiv: 2306.17368).

Primary authors: YAO, Chang-Yuan (DESY and Nankai University); LI, Tong (Nankai University); YUAN, Man (Nankai University)

Presenter: LI, Tong (Nankai University)

Session Classification: Parallel 2