

# The 19th International Workshop on Neutrinos from Accelerators (NUFACT2017)



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## Sterile neutrino searches at future colliders

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Sterile neutrinos are attractive extensions of the Standard Model of particle physics to generate the light neutrino masses observed in neutrino oscillation experiments. When the sterile neutrinos are subject to a protective symmetry, they can have masses around the electroweak scale and potentially large neutrino Yukawa couplings, which makes them testable at possible future particle colliders. We discuss the production and decay channels at electron-positron, proton-proton and electron-proton colliders and highlight promising signatures for sterile neutrino searches.

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