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## The search for sterile neutrinos at Future Circular Colliders

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Sterile neutrinos are among the most attractive extensions of the SM to generate the light neutrino masses observed in neutrino oscillation experiments.

When the sterile neutrinos are subject to a “lepton number”-like symmetry they can have masses around the electroweak scale and potentially large Yukawa couplings, which makes them testable at the planned Future Circular Colliders (FCC).

In this talk I present an overview of the sterile neutrino searches at the FCC in its electron-positron, proton-proton, or electron-proton configuration.

Therefore I provide a systematic assessment of the search channels, give the state of the art sensitivities for the most promising signatures and discuss the synergy and complementarity of the different FCC configurations.

### Experimental Collaboration

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