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## Isosinglet vectorlike leptons at $e^+e^-$ colliders

*Monday 8 May 2023 14:45 (15 minutes)*

Vectorlike leptons are an intriguing possibility for physics beyond the Standard Model. This talk is concerned with the example of weak isosinglet vectorlike leptons that decay through a small mixing with the tau lepton, for which the discovery and exclusion reach of the Large Hadron Collider and future proposed hadron colliders is limited. For this minimal model, I will argue that an  $e^+e^-$  collider may act as a discovery machine, and discuss the prospects for observing a mass peak if they are indeed discovered.

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