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Higgsstrahlung and You: What Future Colliders Can Tell Us About Neutrinos

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Though the exact nature of neutrino masses is presently a mystery, there exists a variety of experimental avenues for siphoning information about them. Of these, we are interested in what can be gleaned from precision measurements of the Higgsstrahlung ($e^+e^- \to Zh$) cross section, a route that will become available with the next generation of lepton colliders. Generically, $\sigma(e^+e^- \to Zh)$ is anticipated to function as a powerful probe of physics beyond the Standard Model, and in particular it is especially sensitive to the contents of the neutrino sector. In this talk I will discuss our work on quantitatively characterising the influence of Seesaw models (most notably, Type I Seesaw) on the Higgsstrahlung cross section.

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