



Contribution ID: 146

Type: **Oral presentation (in person)**

## Heavy Neutral Leptons (HNL) at $e^+e^-$ colliders - theory

*Wednesday 10 July 2024 11:00 (20 minutes)*

In this talk I will review the models motivating searches for heavy neutral leptons at future  $e^+e^-$  colliders by linking their properties to different frameworks for neutrino mass generation and mixing. Several different regimes of prompt decays vs. long-lived HNLs vs. displaced tracks will be discussed together with their experimental signatures.

### Apply for poster award

**Primary author:** REUTER, Jürgen (DESY Hamburg, Germany)

**Presenter:** REUTER, Jürgen (DESY Hamburg, Germany)

**Session Classification:** BSM, Global Interpretations

**Track Classification:** Physics and Detector: BSM, Global Interpretations