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Light HNLs in beam dump experiments.

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Heavy neutral leptons (HNLs) with masses below the electroweak scale offer a testable explanation for observed masses and mixings of active neutrinos. Moreover, at the same time, they could be responsible for the generation of the baryon asymmetry of the Universe.

We describe production and decay channels of such HNLs. We demonstrate that some additional information (Dirac vs Majorana nature, CP violating phase) can be inferred if such particles will be detected in beam dump experiments.

Primary author: TIMIRYASOV, Inar (EPFL)

Presenter: TIMIRYASOV, Inar (EPFL)

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