



ID contributo: 107

Tipo: Oral

## Neutrino masses generated through new physics at the TeV scale

*martedì 4 giugno 2019 17:39 (23 minuti)*

The small neutrino masses might be a consequence of the well known seesaw mechanism, which requires new fields as heavy as  $10^{14}$  GeV. However, there are alternative explanations. For example neutrino masses might be generated through loops or via high-dimensional operators. In both cases, the mediating particles can have TeV-scale masses, and if so it might be possible to produced them at the LHC.

### Collaboration name

**Autore principale:** FONSECA, Renato (IPNP)

**Relatore:** FONSECA, Renato (IPNP)

**Classifica Sessioni:** Neutrino

**Classificazione della track:** Neutrino Physics