



Contribution ID: 5

Type: **Light talk - 10min**

Neurthino.jl - Propagating n-flavour neutrinos through Earth

Thursday 9 November 2023 10:30 (15 minutes)

In neutrino physics the determination of individual properties depends on neutrino oscillations. Neurthino.jl is a package for calculating neutrino oscillation probabilities not limited with respect to a specific n-flavour case. It also provides utilizes the information of the Preliminary Reference Earth Model (PREM) in order to easily setup baseline configurations with different electron densities along the Earths density profile.

Author: SCHUMANN, Johannes

Presenter: SCHUMANN, Johannes