

## Tau neutrino physics in SHiP

*Thursday, 4 June 2015 15:00 (30 minutes)*

A new fixed target experiment at CERN, SHiP is planned to search for the hidden particles using charmed mesons produced with 400 GeV proton beam. This experiment is also ideal for the study of tau neutrinos. I will present the cross section and the fluxes of the tau neutrinos and antineutrinos from the decay of the charmed meson,  $D_s$ . Also, I will discuss the estimation of the detectable events in this experiment.

**Primary author:** Dr JEONG, Yuseon (Yonsei Univ.)

**Presenter:** Dr JEONG, Yuseon (Yonsei Univ.)

**Session Classification:** Afternoon - Plenary (1st day)