



Contribution ID: 187

Type: **Plenary Session**

Super-Kamiokande with Gadolinium

For 25 years Super-Kamiokande has been exploring neutrinos from a variety of sources: the sun, supernovae, the Earth's atmosphere, dark matter annihilation, and cosmic origins leading to many discoveries about neutrinos as well as those sources. Last Summer, the first stage of dissolving 0.1% Gd ions began resulting in increased sensitivity to detect neutrons enhancing Super-Kamiokande's sensitivities for most physics analyses. In this presentation we discuss the current results and status as well as expected future improvements.

Collaboration name

Super-Kamiokande Collaboration

Primary author: Dr SMY, Michael (University of California, Irvine)

Presenter: Dr SMY, Michael (University of California, Irvine)

Track Classification: Neutrino Masses and Mixings