



Contribution ID: 348

Type: **not specified**

Super Kamiokande Atmospheric Neutrino Analysis

Tuesday 4 August 2015 14:18 (18 minutes)

Super Kamiokande atmospheric neutrino data is sensitive to multiple oscillation parameters. Of particular current interest are the neutrino mass hierarchy, θ_{23} octant, and leptonic cp violating phase. I will discuss newly updated SK atmospheric neutrino oscillation results spanning SK I-IV, which corresponds to 306 kT-years of data. I will additionally discuss results of a combined fit to SK atmospheric and publicly available T2K data, which tightens the constraints on these parameters.

Oral or Poster Presentation

Oral

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Session Classification: Neutrino Physics

Track Classification: Neutrino Experiment