



Contribution ID: 49

Type: **Talk**

Review on sterile neutrinos

Monday, June 11, 2018 11:30 AM (30 minutes)

I review the experimental indications in favor of short-baseline neutrino oscillations and I discuss their interpretation in the framework of 3+1 neutrino mixing with a sterile neutrino at the eV scale. I show that the recent results of the NEOS and DANSS reactor neutrino experiments give a new model-independent indication in favor of short-baseline electron antineutrino disappearance, confirming the reactor and Gallium anomalies. On the other hand, the recent result of the MINOS+ experiment disfavors the LSND anomaly. I also discuss the interpretation of the Daya Bay fuel evolution data.

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Session Classification: Neutrinos