Non-Standard Neutrino Interactions (Discussion Session)

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1) NSI models and implications for/from COHERNT and CEvNS

Yasaman Farzan



*How seriously should one take the dark LMA solution? *Is there an independent way to verify the dark LMA?



4) NSI in Long-Baseline Experiments

*Matter NSIs

*Source/Detector NSIs

*S/D and Matter NSIs

*New Degeneracies - How important are they?

*Can independent measurements from experiments like COHERENT improve the situation?

*Can combining different oscillation experiments improve the situation?

*Does it make sense to look at NSIs at LBL expts in the context of specific models only?



*Can IceCube null results on sterile nu be made compatible with LSND by taking NSI?



*Has IceCube been considered correctly? *Role of MINOS and MINOS+? *Magnitude of NSI needed? *Is it fine-tuned?

7) Impact of NSI in Dark Matter Direct Detection Experiments

*Can NSI parameters be measured in direct detection experiments?

*Can NSI parameters affect the neutrino floor of direct detection experiments?

6) NSI in Type II Supernova

Any comments from? Amol Dighe Basudeb Dasgupta Sovan Chakraborty

Can be discussed in the SN session as well