



Wednesday 6 July, 14:00 – 14:25

Session 11: Theory of neutrino mass, mixing, CP-invariance violation and leptogenesis

Neutrino masses from different energy scales

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The new physics behind nonzero neutrino masses remains unknown. While we know that new degrees of freedom are required, we have little information on their character or their properties. In particular, the scale of the new physics is virtually completely unknown, and can rest anywhere between the sub-eV and the YeV regions. I discuss several theoretical ideas regarding the physics uncovered by neutrino oscillation experiments, highlighting their differences and commenting on whether and how different ideas can be tested experimentally.