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Implications of Recent Measurements in Neutrino Sector and Future Directions

Tuesday 10 September 2013 17:00 (30 minutes)

The discovery of neutrino mixing and oscillations over the past decade provides firm evidence for new physics beyond the Standard Model, needed to explain non-zero neutrino masses and mixing in the leptonic sector. In this talk, first I will give a brief description of the recent measurements in neutrino sector with a special emphasis on the discovery of moderately large value of 1-3 mixing angle. Then I will discuss the possible implications of these new findings from both theoretical and experimental perspectives. Finally I will focus on the expected physics reach of current and future neutrino experiments in addressing several open issues in neutrino physics.

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