

Neutrino Oscillations (Part 1)

Monday 10 January 2011 15:00 (2 hours)

1. Theory of neutrino oscillations in vacuum;
2. Solar neutrino experiments;
3. Theory of neutrino oscillations in matter;
4. The KAMLAND reactor experiment;
5. Atmospheric neutrino experiments;
6. The CHOOZ reactor experiment;
7. Long baseline oscillation searches at accelerators;
8. Future projects: measurement of the θ_{13} mixing angle.

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