



Tuesday 5 July, 12:30 – 12:50

Session 6: Neutrino interactions

**Future experimental programme for neutrino cross sections**

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The modeling of neutrino-nucleus interactions is source of large systematic uncertainties for present and future long-baseline neutrino oscillation experiments. The most relevant uncertainties due to interaction modeling, and the most promising experimental strategies to constrain them, will be reviewed. The expected future measurements from present experiments will be summarized and the future proposed experiments dedicated to neutrino cross-section measurements will be described, including near detectors of next-generation long-baseline experiments. A tight collaboration between experimentalists and theoreticians, as well as, a coordinated international wide effort to compare results from complementary neutrino-cross-section experiments is necessary in order to achieve the necessary precision for a definitive sensitivity on CP violation.