

# 3rd Jagiellonian Symposium on Fundamental and Applied Subatomic Physics



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## CP symmetry test with neutrinos

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Why the universe consists of matters only, instead of consisting of equal number of matters and antimatter, is one of the fundamental questions about the universe. One of the conditions required for the matter-dominated universe is the violation of Charge-Parity (CP) symmetry. If CP violation occurs in neutrinos, the oscillation probabilities of neutrinos and antineutrinos will be different. The recent results and the future prospects of CP symmetry test with neutrinos from the long-baseline neutrino oscillation experiments are reviewed in the talk. In particular, I will focus on mainly Japan-based projects, T2K and Hyper-Kamiokande.

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