

**Seminarium Studium Doktoranckiego NCBJ**

**Thursday, 20 February, 9:00**

**Sala 404 w NCBJ, Pasteura 7**

Speaker:

**Grzegorz Żarnecki (Studium Doktoranckie NCBJ)**

Title:

**CP violation in the neutrino sector: Recent long-baseline experiments results**

Abstract:

The violation of CP symmetry in the neutrino sector may be manifested in different oscillation probabilities for neutrinos and antineutrinos. Long-baseline neutrino experiments search for this effect by studying electron (anti)neutrino appearance in primordial muon (anti)neutrino beam. In this talk T2K and NOvA experiments will be presented and their recent results on CP violation will be shown. Future experiments - DUNE and Hyper-Kamiokande - will also be discussed.