



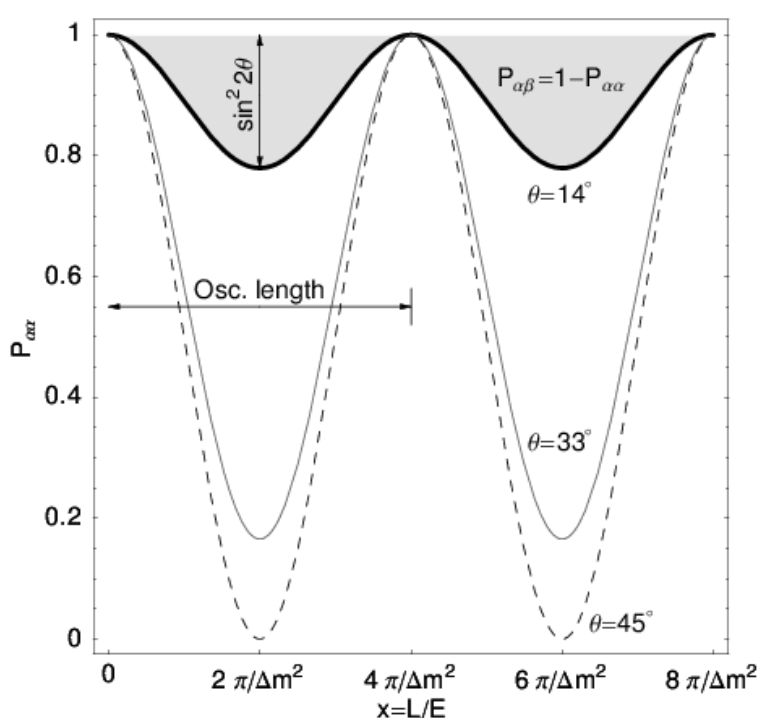
## Perspectives for neutrino oscillations.

Walter Winter (DESY)

Tuesday, 10 June 2014

16:45 h, bldg. 2a / sem. room 2

The determination of the neutrino mass hierarchy and the leptonic Dirac CP phase are the outstanding issues in neutrino oscillation physics after the discovery of a non-zero value of  $\theta_{13}$ . For the mass hierarchy, novel concepts have been recently drawing quite some attention. One example is a potential upgrade of the IceCube detector at the South Pole using the Earth matter effects on atmospheric neutrinos, called “Precision IceCube Next Generation Upgrade” (PINGU). For CP violation, most likely a dedicated long-baseline experiment will be needed. We discuss the prospects and challenges of these approaches, and the perspectives for neutrino oscillations in the coming years.



Coffee, tea and cookies will be served at 16:30h

After the seminar there is a chance for private discussions with the speaker over wine and pretzels

