



Sommerfeld Theory Colloquium

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Strange effects in the neutrino oscillations

Although the neutrino oscillations are well established phenomenon, new and unusual oscillation effects in matter are still emerging. I will describe three such effects which have applications to the solar, supernova and low energy atmospheric neutrinos: (i) Parametric resonance for neutrinos propagating in a flux of background neutrinos. (ii) Oscillation waves emitted from borders between layers in a multi-layer medium, like in the Earth. (iii) The attenuation effect related to the energy uncertainty in oscillation setup.

Wednesday, 12 June 2019, 16:15h, Room A348, Theresienstr. 37/III