

Past, present and futures limits on θ_{13}

The best current limit on θ_{13} comes from the CHOOZ reactor experiment. Despite the fact that CHOOZ only published one curve, there are several numbers called “the CHOOZ limit”. This is because our knowledge of Δm^2_{32} has changed, but also for other reasons. I will discuss some issues in comparing the current limits and future sensitivities of CHOOZ, Double Chooz, RENO, Daya Bay, MINOS, NOvA, K2K, T2K and other future projects.

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