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Neutrino oscillations: latest mixing parameters¹ DAVID ERNST, BERNADETTE COGSWELL, Vanderbilt and Fisk Universities, DAVID LA-TIMER, Reed College, JESUS ESCAMILLA ROA, Vanderbilt University — Assuming three neutrinos, the neutrino oscillation mixing parameters are extracted from a global analysis of the Super-K atmospheric, MINOS disappearance and appearance neutrino, CHOOZ, T2K, KamLAND, and all solar data. MINOS anti-neutrino data is not included. The full oscillation probabilities are used so that we can address the question of the sign of θ_{13} . How to extract the allowed confidence level regions without assuming Gaussian statistics is explain. The probability that θ_{13} is negative will be given, as well as the probability that Double CHOOZ and Daya Bay will measure a non-zero value of θ_{13} . Correlations between θ_{13} and θ_{23} will be examined.

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