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## **Bounds on the elements of the neutrino mass matrix**

The recent enormous improvement of our knowledge of the oscillation parameters strongly encourages a re-investigation of the experimentally allowed ranges of the elements of the neutrino mass matrix.

By means of numerical and analytical techniques we investigated the allowed ranges for the absolute values of the elements of the neutrino mass matrix, as well as their correlations.

The results of this analysis will be very valuable for model building in the lepton sector, in particular with respect to textures of the neutrino mass matrix. As an example, we will present two textures of the neutrino mass matrix which have only two parameters and very well fit all current experimental data on the neutrino parameters.

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