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Statistica issues on the neutrino Mass Hierarchy determination

The determination of the neutrino Mass Hierarchy (MH) is one of the main goals of the major current and future neutrino experiments. The analysis usually proceeds from the $\Delta\chi^2$ estimator. This estimator may show several draw-backs and concerns, together with a debatable strategy.
The author will discuss the needs for a clear strategy as well as the related sensitivity evaluation.
The issues on the MH determination from the reactor experiments will be further illustrated, starting from the limited power of the $\Delta\chi^2$.

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