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## Mass hierarchy and CP violation in neutrino oscillation experiments

*Wednesday 7 July 2021 14:00 (15 minutes)*

Mass hierarchy and leptonic CP violation are the most sought questions in the ongoing and upcoming neutrino oscillation experiments. In this context, the latest results of T2K and NO $\nu$ A is briefly discussed. The combined sensitivity of the extended run of T2K and NO $\nu$ A, referred to as T2K-II and NO $\nu$ A-II corresponding to the total exposures of  $20 \times 10^{21}$  and  $7.2 \times 10^{21}$  POT respectively, and with a reactor-based medium baseline experiment JUNO to the above problems have been explained. The results are based on our recent work (<https://arxiv.org/abs/2009.08585>).

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