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# Determination of the neutrino oscillation parameters through the unified approach of Feldman and Cousins by the NOvA Experiment

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The NOvA experiment presents new measurements of the neutrino oscillation parameters obtained through a fit to data from the one megawatt NuMI neutrino beam in the NOvA detectors. The analysis uses muonneutrino disappearance and electron-neutrino appearance in both neutrino and antineutrino beam polarities. With the addition of  $\sim 100\%$  more neutrino-mode beam exposure over the previously reported results, this analysis employs the unified approach of Feldman and Cousins to determine the confidence level intervals for

# the oscillation parameters $\theta_{23}$ , $\delta_{CP}$ , and $\Delta m_{32}^2$ , for both neutrino mass orderings.

## Poster prize

Yes

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 ${\bf Classifica\ Sessioni:}\ \ {\bf Poster\ session\ and\ reception\ 1}$ 

Classificazione della track: Accelerator neutrinos