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Alleviating the present tension between T2K and NO ν ν A with neutrino New Physics at source

Since neutrino oscillation was observed, several experiments have been built to measure its parameters. At the present there is tension between T2K and NOVA. We propose a non-standard neutrino interaction at production. In this scenario, computed by quantum field theory formalism can make a better description of combined data. A new phase from this new interaction can make a role in search for violation of charge and parity symmetry.

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