## The 26th International Workshop on Weak Interactions and Neutrinos (WIN2017)

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## Nonstandard interactions at long-baseline neutrino experiments

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Muon neutrino disappearance measurements at NO $\nu$ A suggest that maximal  $\theta_{23}$  is excluded at the 2.6 $\sigma$  CL. This is in mild tension with T2K data which prefer maximal mixing. We point out that the apparent departure from maximal mixing in NO $\nu$ A may be a consequence of nonstandard neutrino propagation in matter. We then study such nonstandard matter effects in the next generation long-baseline experiments, DUNE, T2HK and T2HKK.

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