

Abstract Submitted  
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**Latest Results From Searches for Neutral Current Disappearance in NOvA** TOMAS NOSEK, Charles Univ, NOVA COLLABORATION COLLABORATION — Although most of the recent experimental results on neutrino oscillations are consistent with three active neutrino flavors, some of them have shown deviations from standard oscillations (e.g. LSND, MiniBooNE, Gallium experiments) that can be explained by admixture of non-active flavors, i.e. the existence of light sterile neutrinos. NO $\nu$ A searches for sterile neutrinos mixing with active neutrinos through a reduction in the rate of neutral current interactions over its 810 km long baseline. I will present the latest results on searches for active neutrino disappearance by looking for a deficit of neutral current events at the NO $\nu$ A Far Detector using  $8.85 \times 10^{20}$  POT data.

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