$\nu_{\mu}$  Selection Events 10000  $\nu_e$  intrinsic + LEE  $\nu_e$  intrinsic - fake data 8000 6000 4000 2000 uncertainties 2.5 1.5 0.5 0.2 0.4 0.6 8.0 1.2 1.4 Neutrino Energy [GeV]