## **Neutrino Oscillation** \$122000 \$20000 FHC 1R $\,\mu$ sample $v_{\mu}$ CCQE(1p1h) Neutrino 16000 $\overline{\nu}_{\mu}$ CCQE(1p1h) $v_{\mu}$ CC non-QE John 12000 Mn 10000 $\overline{\nu}_{u}$ CC non-QE NC 8000 6000 4000 2000 0 -0.2 0 0.2 0.4 0.6 0.8 1 Reconstructed Neutrino Energy E, [GeV] -0.4 -0.2-0.6