Neutrino Oscillation for Reco w/o tagged neutrons Number of Neutrino Events FHC $\nu_{\mu} ightarrow \nu_{\mu}$ MC(w/o tagged neutrons) 1000 CCQE(1p1h) CC(2p2h+others) $CCRES(\Delta^{\dagger})$ 800 $CCRES(\Delta^{++})$ $CCRES(\Delta^0)$ **CC-other** 600 NC 400 200 00 0.5 Reconstructed Neutrino Energy E, [GeV]