numuCC_0p_bnb_12_nc_transferred_energy_all Σ Data/ Σ Prediction=1.19 \pm 0.21 χ²/ndf=6.7/15 Pred. Uncertainty POT: 6.37e+20 PO1: 6.37e+20 BNB Data, 53630.0 Cosmic, 495.2 Dirt, 544.4 NC π^0 COH, 1.1 NC π^0 RES, 126.1 NC π^0 MEC, 0.0 NC Other, 864.2 v_e/\overline{v}_e CC, 39.2 EXT, 2086.0 Out FV, 795.8 NC π^0 QE, 1.5 NC π^0 DIS, 85.7 CC π^0 , 3407.8 CC Other, 36794.2 10000 8000 6000 4000 2000 2 1.8 1.6 Data/Prediction Total Uncertainty Stat. + Flux + Genie + GEANT4 + Reweight .4 0.8 0.6 0.4 0.2 0 1200 1400 Transferred Energy [MeV] 200 400 600 800 1000