generic_0p_bnb_12_nc_pio_score_all Event counts 8000 7000 ΣData/ΣPrediction=1.03±0.14 $\chi^2/\text{ndf}=52.0/60$ POT: 6.37e+20 BNB Data, 107605.0 Pred. Uncertainty Cosmic, 4876.5 EXT, 26094.3 Dirt, 6044.1 Out FV, 7747.3 $NC\pi^{0}$ COH, 169.6 $NC\pi^0$ non-COH, 3461.4 $CC\pi^{0}$, 6519.1 NC Other, 3407.4 CC Other, 45739.4 v_e/\overline{v}_e CC, 459.7 6000 5000 4000 3000 2000 1000 Data/Pred **Total Uncertainty** Stat. + Flux + Cross Sec. 0.8 0.6 0.4 0.2 0-10 **BDT Score**

