Cosine of θ -Angle 1400 No. of events Normalised to 4.95×10^{19} POT On-Beam BNB (Data) 1200 Selected v_{μ} CC + BGR (MC) v_x NC BGR events (MC) 1000 $v_e \& \overline{v}_e CC BGR (MC)$ \overline{v}_{μ} CC BGR (MC) Out of FV BGR (MC) 800 Dirt BGR (MC) Cosmic BGR (MC) Off-Beam Cosmic (Data) 600 400 200 0 OnBeam/(MC + BGR) 3.5 1.5 0.5 -0.8-0.6-0.4-0.20 0.2 0.4 0.6 0.8 Muon $cos(\theta)$