W⁻c production ATLAS 7TeV 4.6fb⁻¹ 24 $p_T^l > 20 GeV |\eta_l| < 2.5$ 22 $p_{T}^{v} > 25 \text{GeV } m_{T}^{W} > 40 \text{GeV}$ $p_{T}^{j} > 25 \text{GeV } |\eta_{i}| < 2.5$ 20 [qd] up/sp 18 Unshifted data 12 **CT18** 10 CT18Z 8 CT14HERA2 6 1.4 1.3 **Jata/Theory** 1.2 1.1 0.9 8.0 Ratio to CT18 0.7 0.5 1.5