$7 \text{ TeV } 0.0 < |y| < 1.0 \cos^2 \theta_{HX} HX tr$ psi27_ct0_y0 **Entries** 1189473 Mean 1.418 0.9 Mean y 0.3999 Std Dev 0.5096 8.0 Std Dev y 0.3118 0.7 0.6 0.5 0.4 0.3 0.2 0.1 15 20 25 30 10 35 40