(y, p_{T}) of generated J/ψ hJ2_mcJRap_mcJPt $p_{_{\mathrm{T,J/\psi}}}$ [GeV/c] 2.0 **Entries** 10000 Mean x 3.945 1.8 Mean y 0.2075 Std Dev x 0.4015 1.6 Std Dev y0.09518 1.4 1.2 10 1.0 8.0 0.6 0.4 0.2 0.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0