(y, p_{T}) of generated J/ψ hJ2_mcJRap_mcJPt $p_{_{\mathrm{T,J/\psi}}}$ [GeV/c] 2.0 **Entries** 18000 Mean x 3.944 1.8 Mean y 0.2074 Std Dev x 0.4019 1.6 Std Dev y0.09548 1.4 1.2 1.0 10 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