(y, p_{T}) of generated J/ψ hJ2_mcJRap_mcJPt $p_{_{\mathrm{T,J/\psi}}}$ [GeV/c] 2.0 **Entries** 20000 Mean x 4.428 1.8 Mean y 0.4121 Std Dev x 0.6981 1.6 Std Dev y 0.2147 1.4 10 1.2 1.0 8.0 0.6 0.4 0.2 0.0 .0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0