$(y, p_{T})$  of generated  $J/\psi$ hJ2\_mcJRap\_mcJPt  $p_{_{\mathrm{T,J/\psi}}}$  [GeV/c] 2.0 **Entries** 20000 Mean x 3.944 1.8 Mean y 0.2065 Std Dev x 0.4045 1.6 Std Dev y0.09513 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