m of generated J/ ψ $\times 10^3$ hJ1_mcJM counts **Entries** 50000 50 3.097 Mean Std Dev 5.916e-07 40 30 20 10 2.5 3.0 3.5 4.5 0.5 1.0 1.5 2.0 4.0 $m_{\mathrm{J/\psi}} \, [\mathrm{GeV/}c^2]$