m of generated J/ ψ $\times 10^3$ hJ1_mcJM counts **Entries** 1000 Mean 3.097 Std Dev 5.825e-07 8.0 0.6 0.4 0.2 0 4.5 0.5 1.5 2.5 3 3.5 $m_{\mathrm{J/\psi}}~\mathrm{[GeV/}c^2\mathrm{]}$