m of generated J/ ψ hJ1_mcJM 1.0 counts **Entries** Mean 0.9 Std Dev 0 8.0 0.7 0.6 0.5 0.4 0.3 0.2 0.1 0.8.0 0.5 2.5 3.5 4.0 4.5 1.0 1.5 2.0 3.0 $m_{\mathrm{J/\psi}}~\mathrm{[GeV/}c^2\mathrm{]}$