E of generated J/ψ $\times 10^3$ hJ1_mcJEn counts **Entries** 45000 1.2 Mean 99.13 42.3 Std Dev 1.0 8.0 0.6 0.4 0.2 0.0^L 180 200 20 40 60 80 100 120 140 160 $E_{\mathrm{J/\psi}}$ [GeV]