

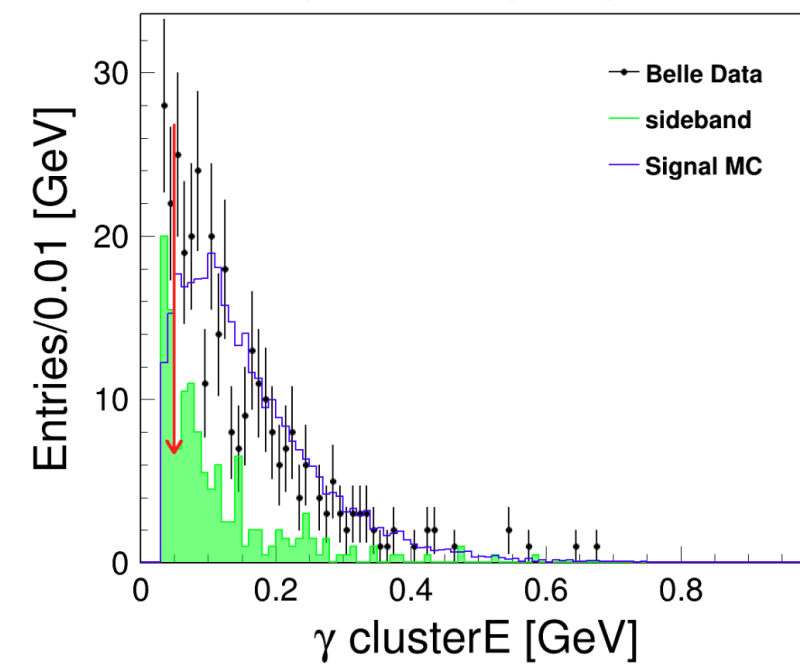
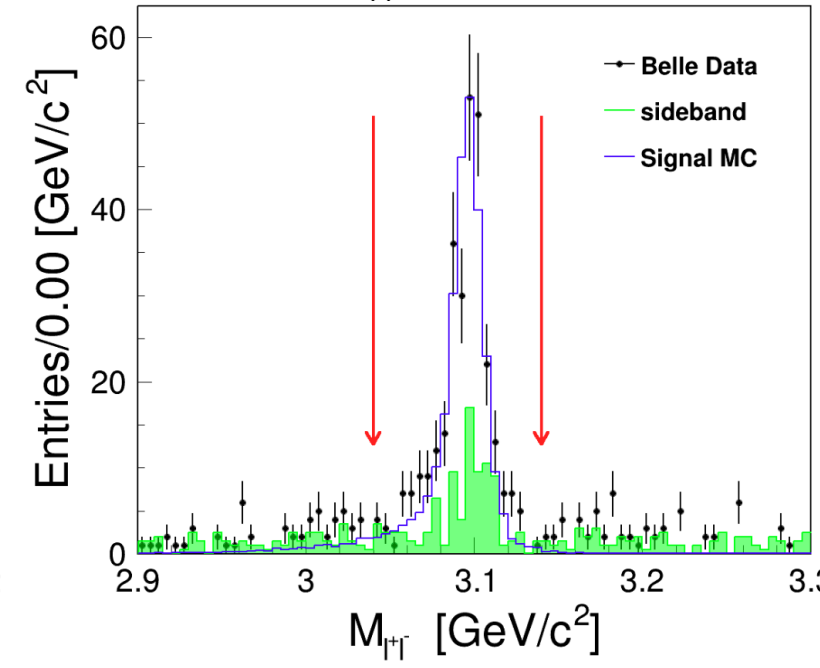
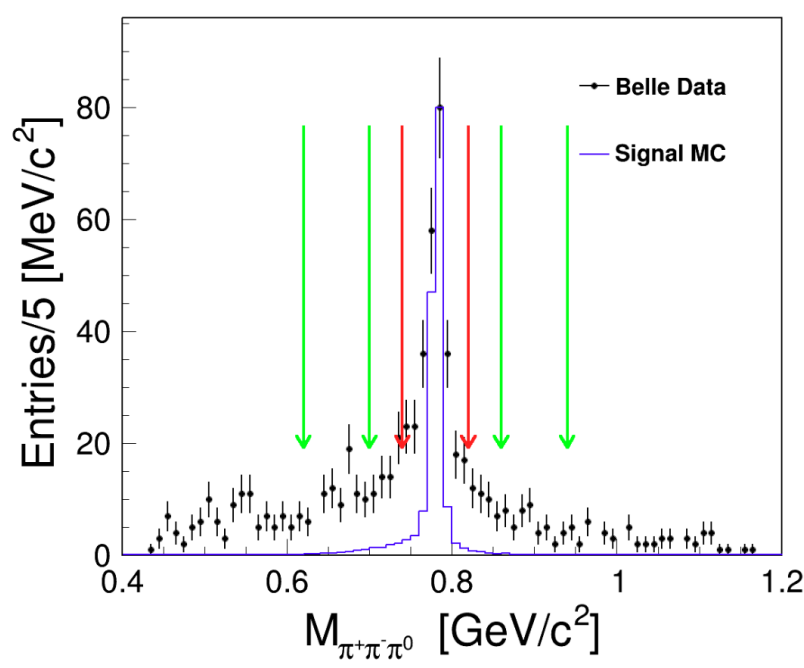
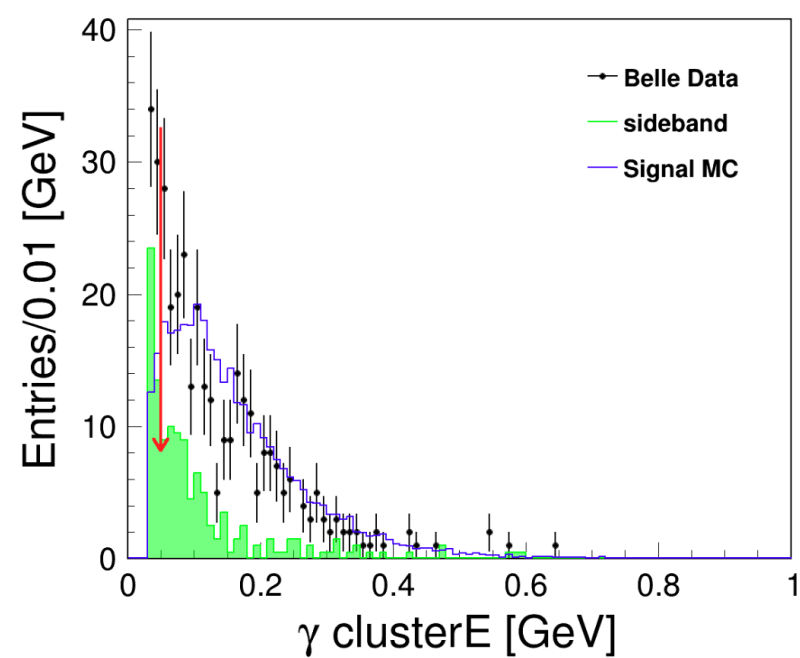
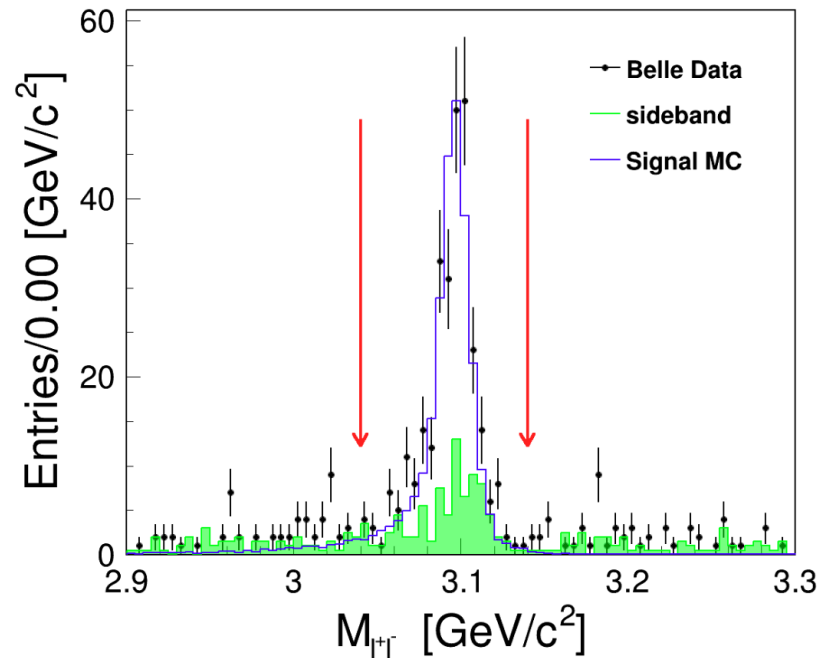
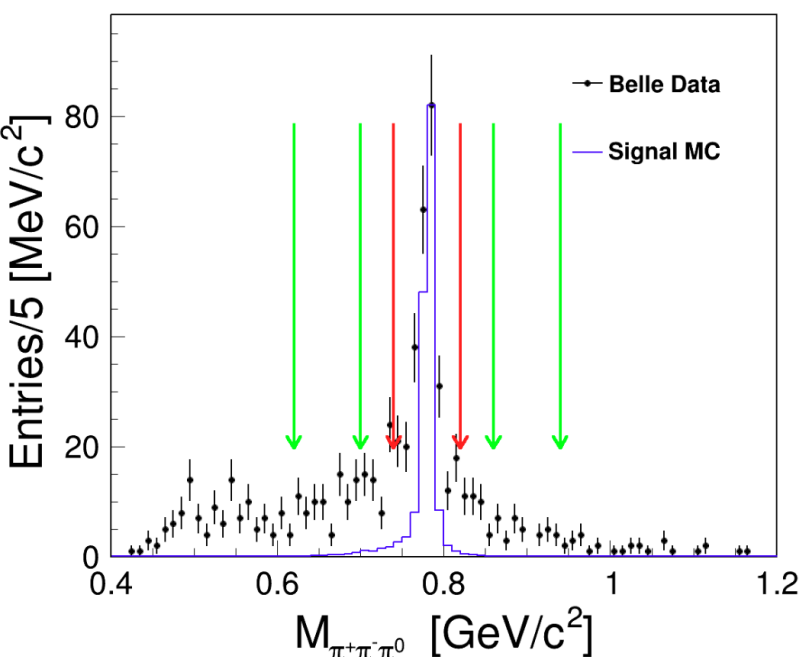
Group meeting

2024/12/13

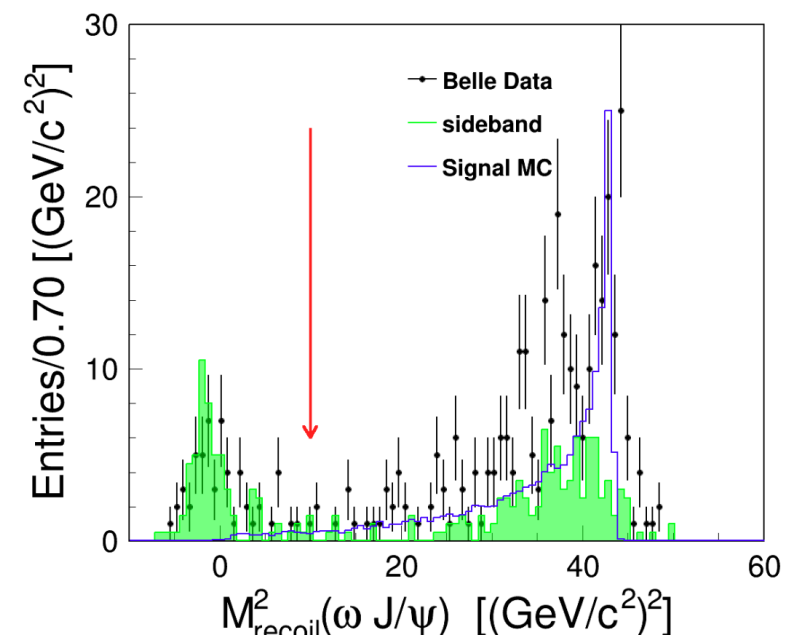
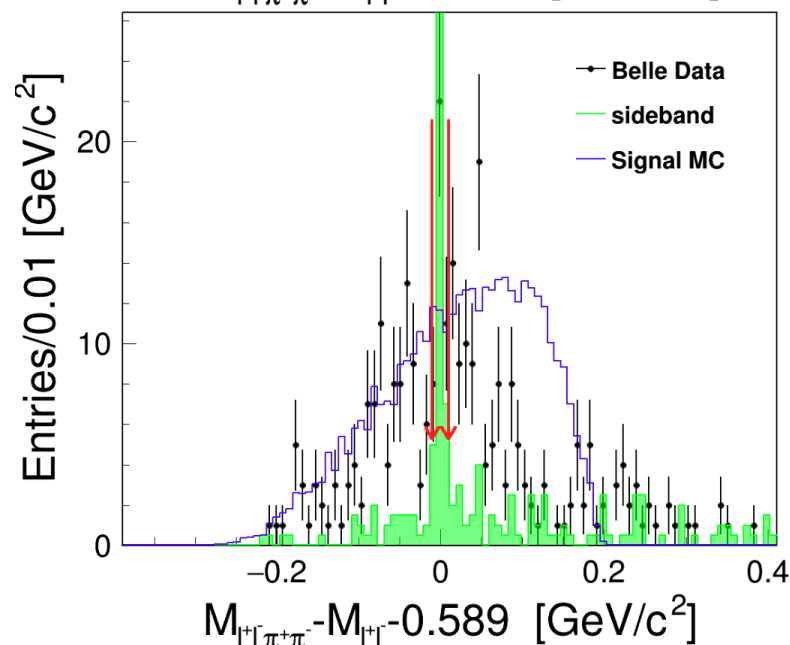
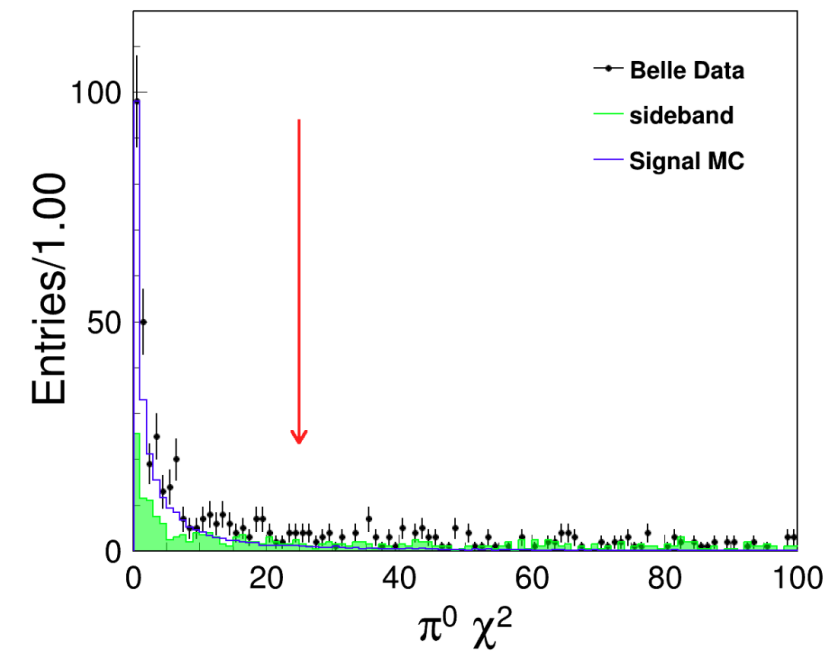
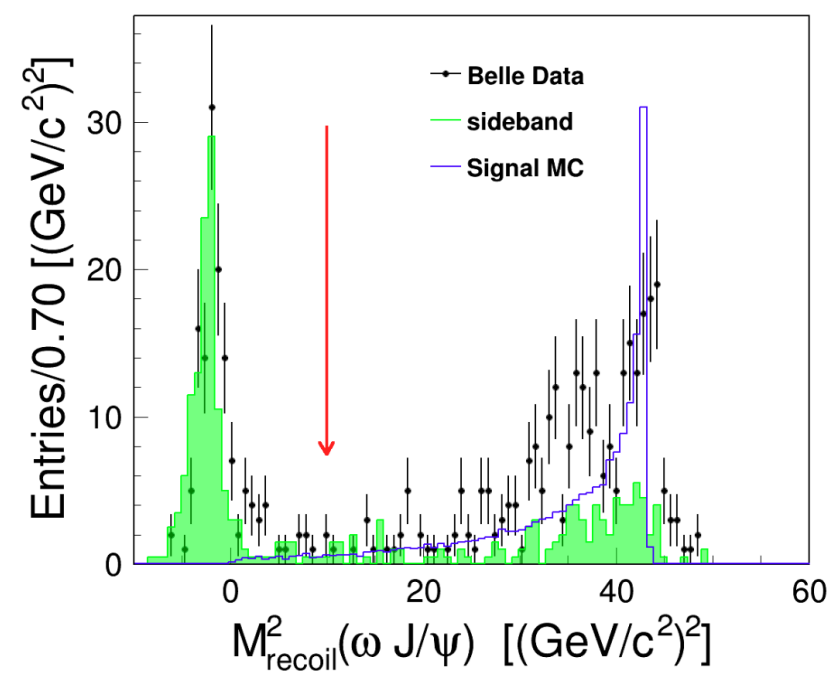
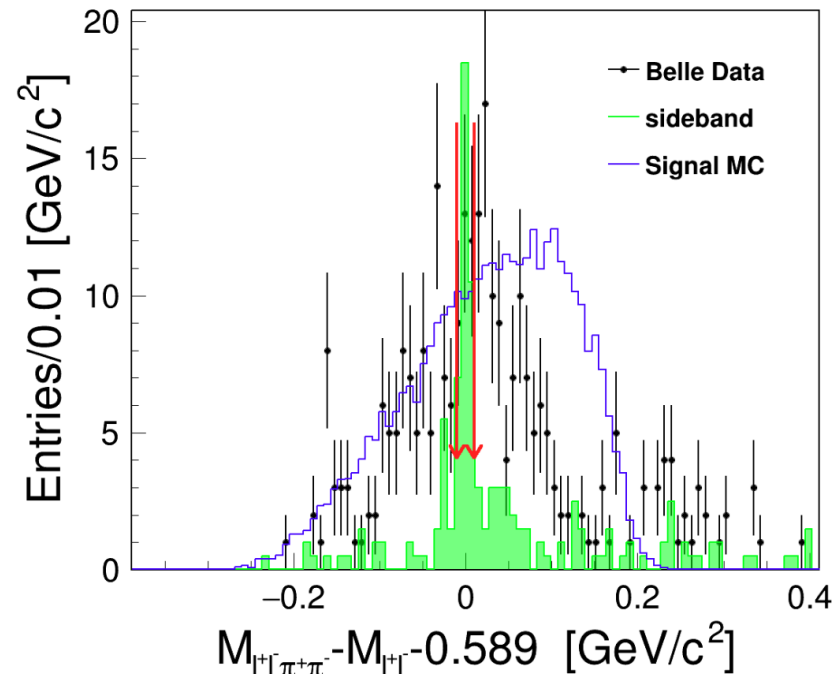
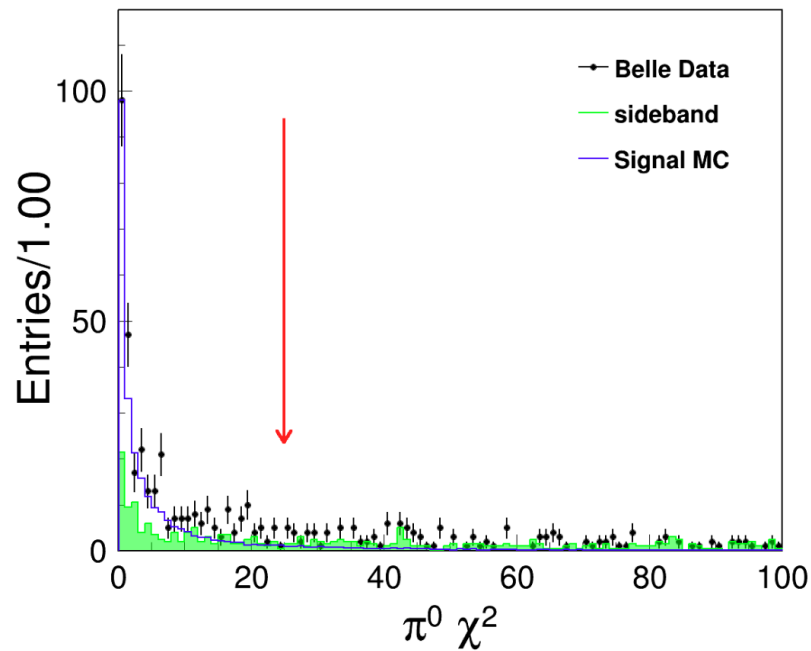
$\omega J/\psi$

- Charged tracks
 - $|dr| < 2 \text{ cm}, |dz| < 5 \text{ cm}$
- Particle Identification
 - $\text{muIDBelle} > 0.7$ for all μ
 - $\text{eIDBelle} > 0.5$ for all e
 - $\text{atcPIDBelle}(2,3) > 0.6$ for all π
 - $\text{atcPIDBelle}(2,3) > 0.2$ for all particle
- Bremsstrahlung photons
 - within 0.05 radians of the original electrons
 - $E > 0.02 \text{ GeV}$.
- π^0
 - $E_\gamma > 50 \text{ MeV}$
 - $\text{ECLtrackmatch} != 1$
 - Mass fit with $\chi^2 < 20$
- ω
 - $740 \text{ MeV}/c^2 < M_{\pi^0\pi^+\pi^-} < 820 \text{ MeV}/c^2$
 - $620 \text{ MeV}/c^2 < M_{\pi^0\pi^+\pi^-} < 700 \text{ MeV}/c^2$
and $860 \text{ MeV}/c^2 < M_{\pi^0\pi^+\pi^-} < 940 \text{ MeV}/c^2$ for sideband
- Jpsi
 - $3.04 \text{ GeV}/c^2 < M_{l-l^+\pi^-} < 3.14 \text{ GeV}/c^2$
 - $||M_{\ell^+\ell^-} - M_{\ell^+\ell^-\pi^+\pi^-} - 0.589| > 0.01 \text{ GeV}/c^2$.
 - $M_{Rec}^2 > 10 (\text{GeV}/c^2)^2$
 - $P_T^* < 0.08 \text{ GeV}/c$ for $\omega J/\psi$ system.

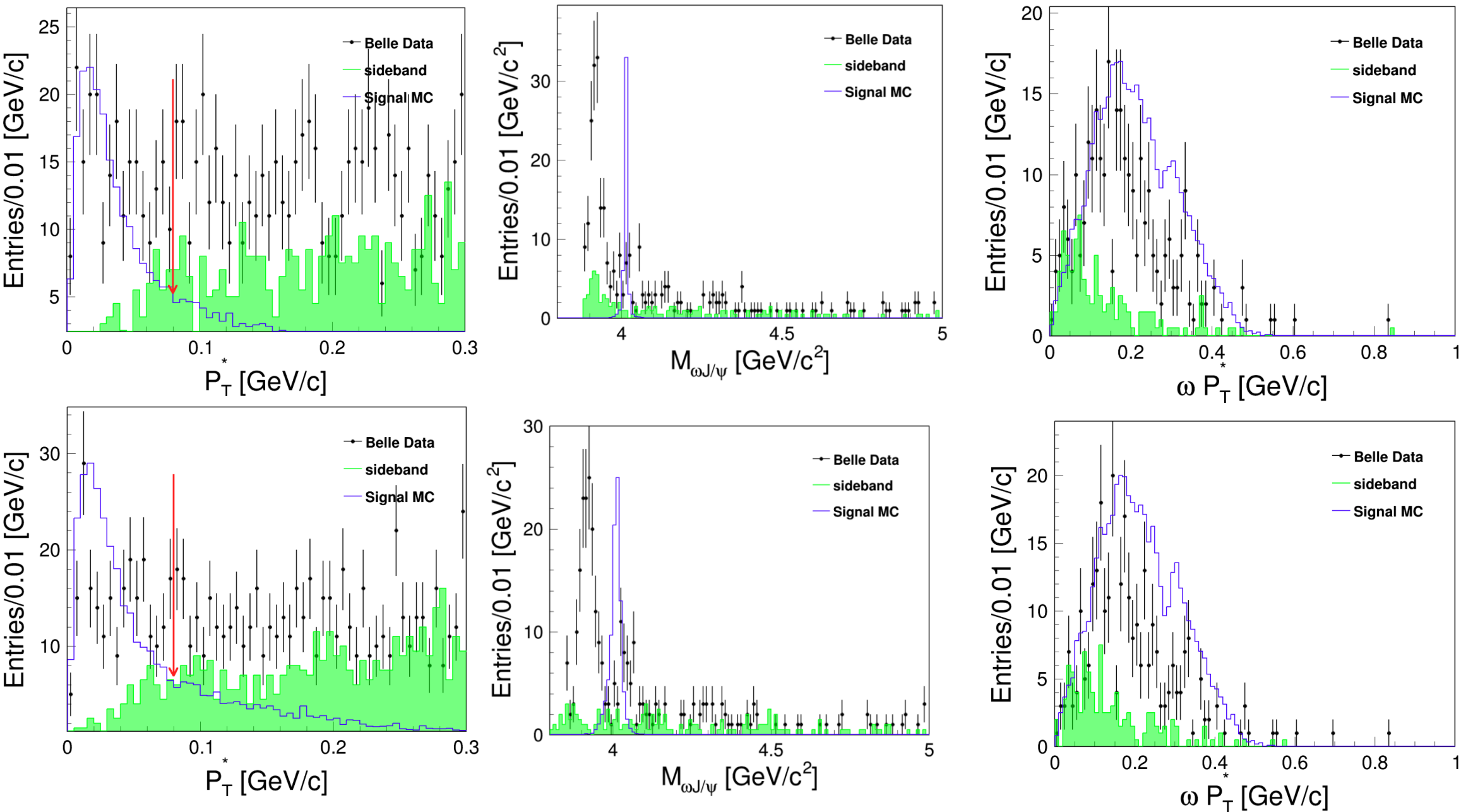
$\omega J/\psi$ first row with $\omega, J/\psi$ massfit second row without massfit



$\omega J/\psi$ first row with $\omega, J/\psi$ massfit second row without massfit



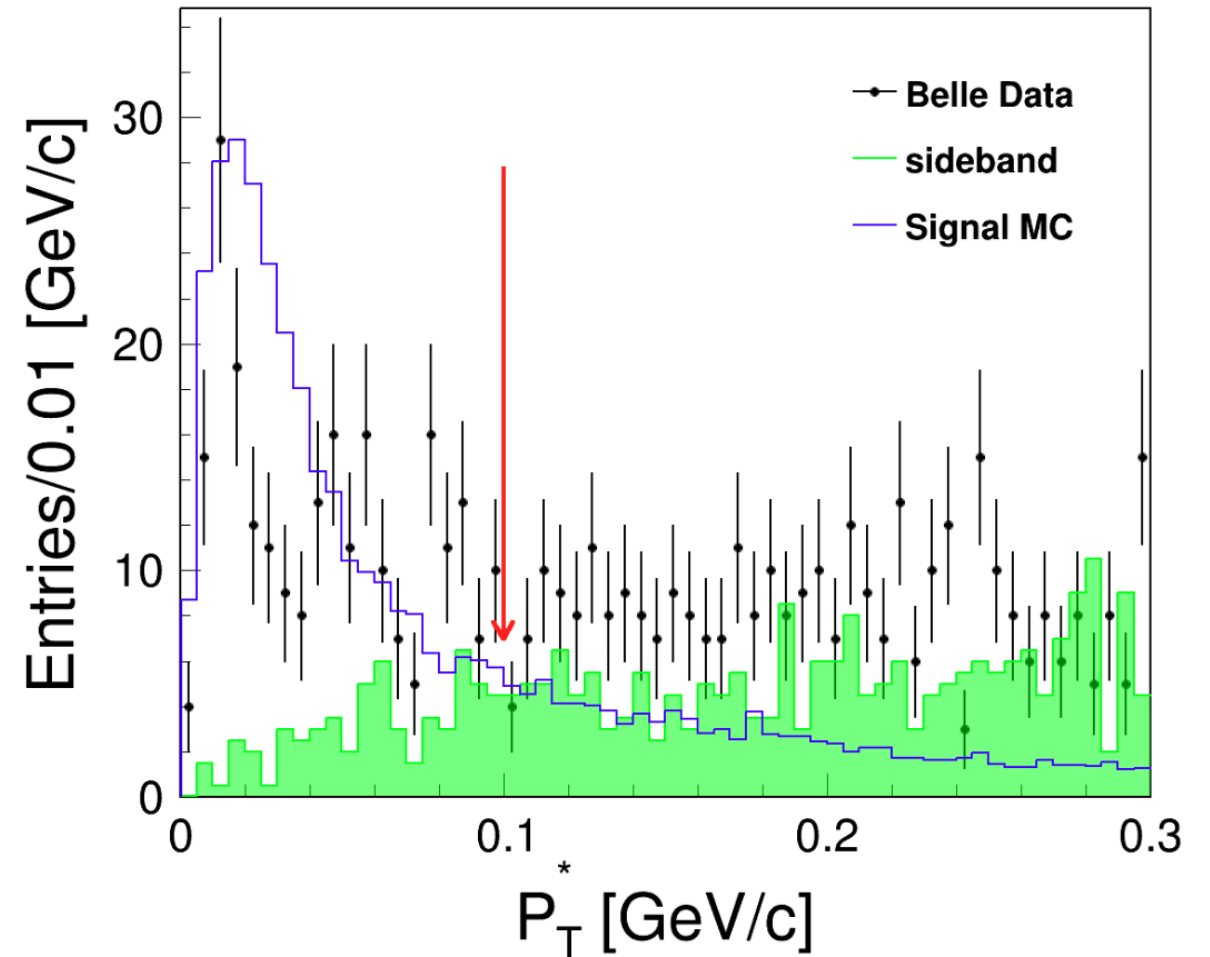
$\omega J/\psi$ first row with $\omega, J/\psi$ massfit second row without massfit

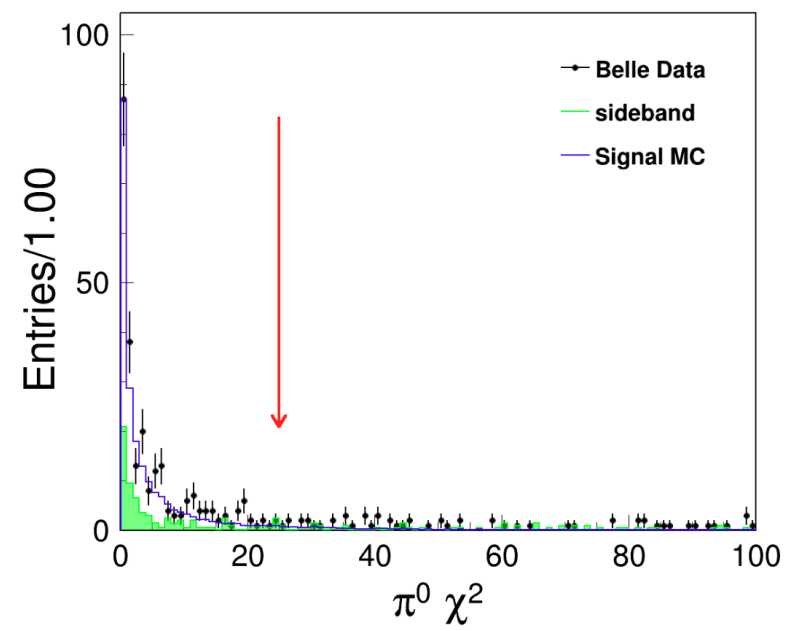
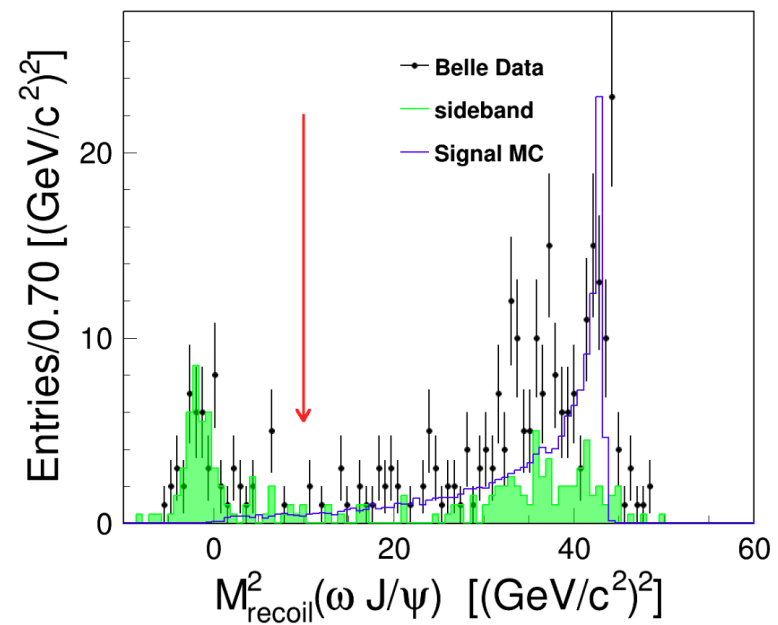
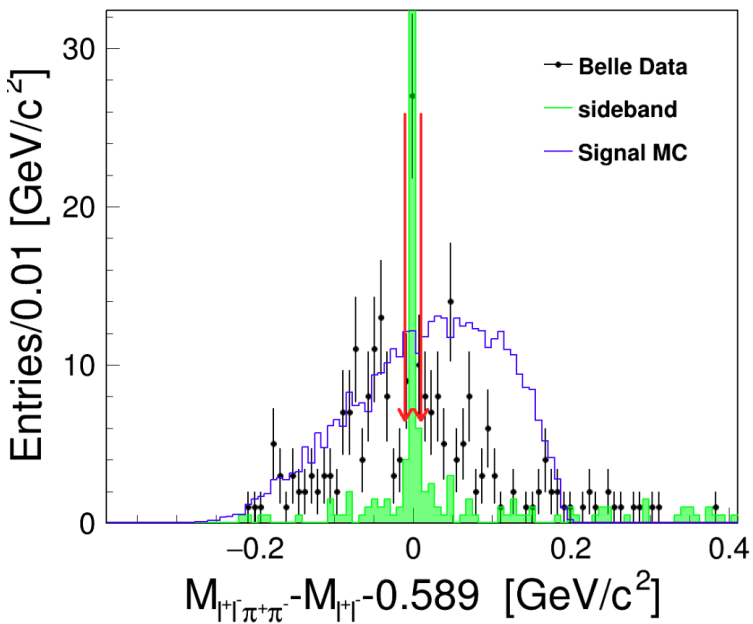
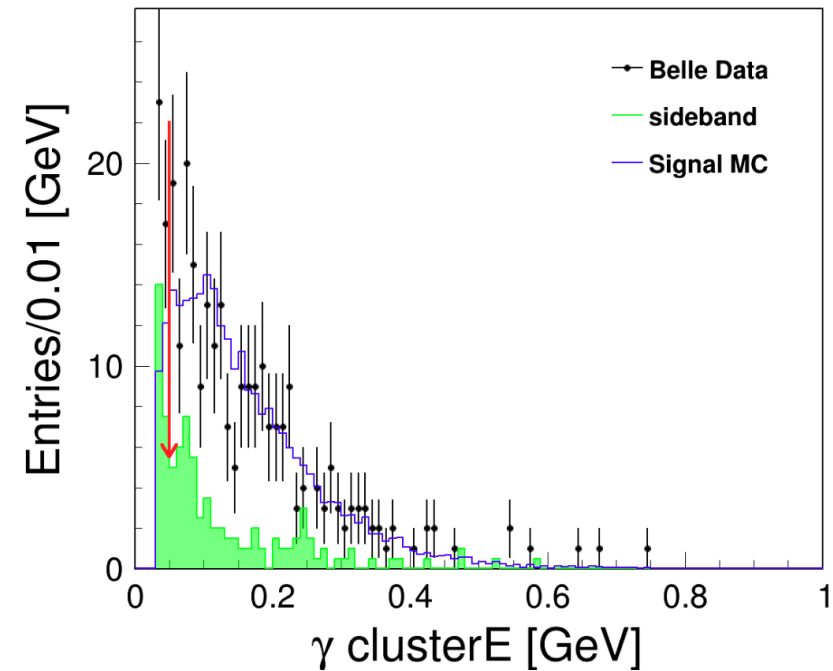
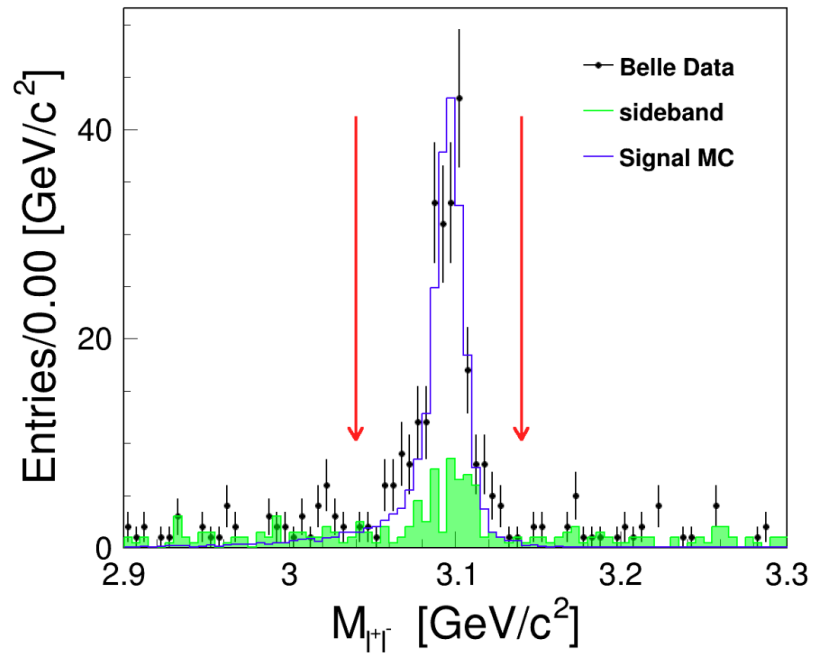
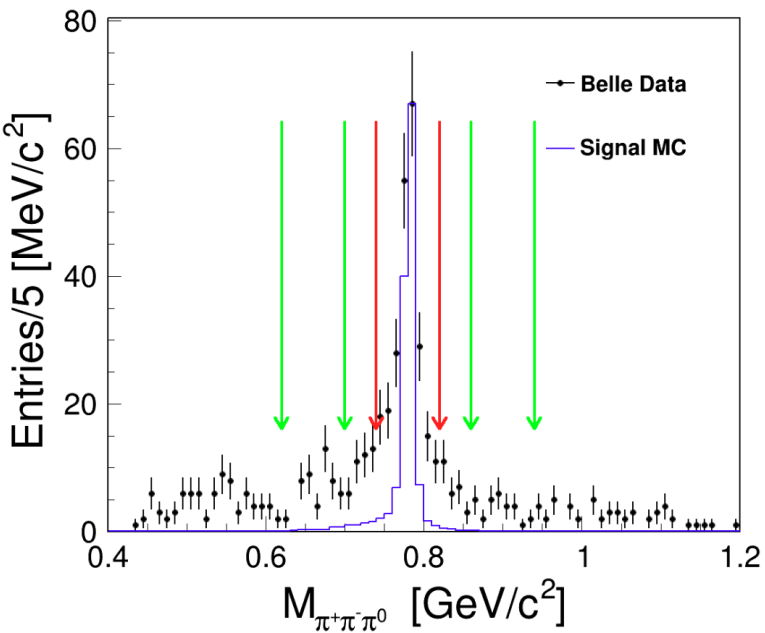


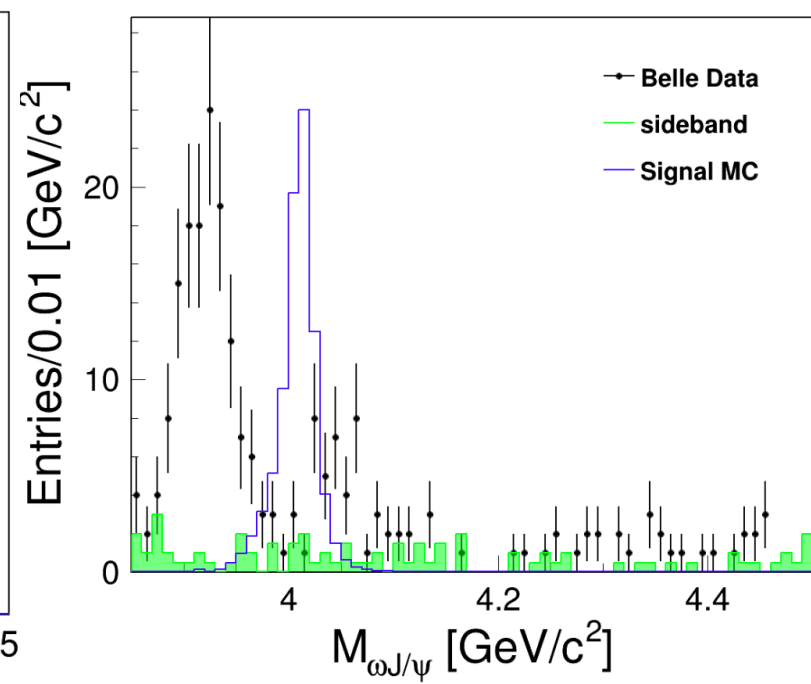
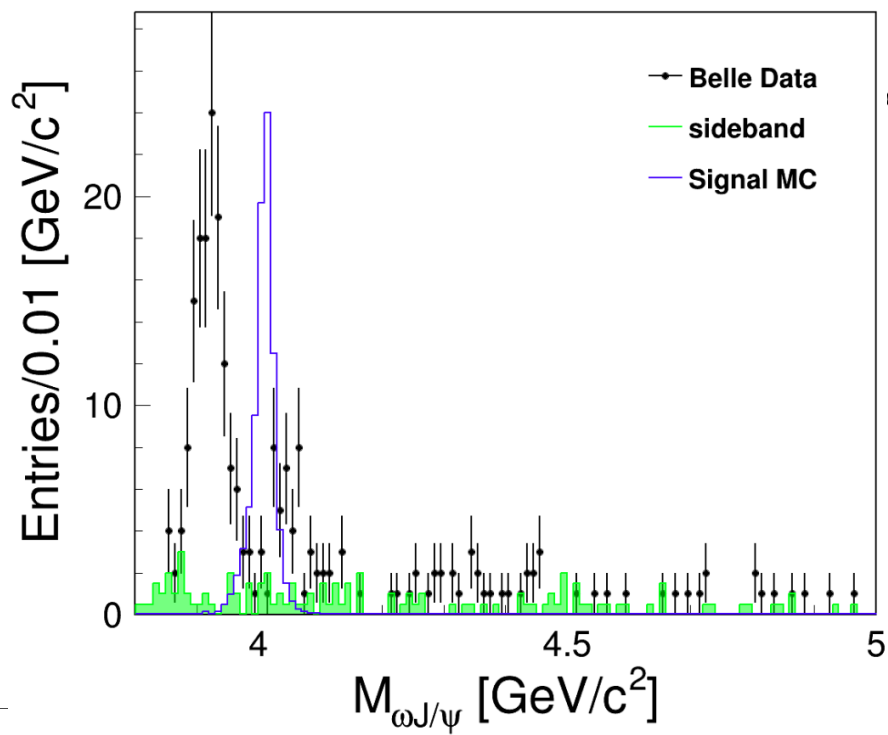
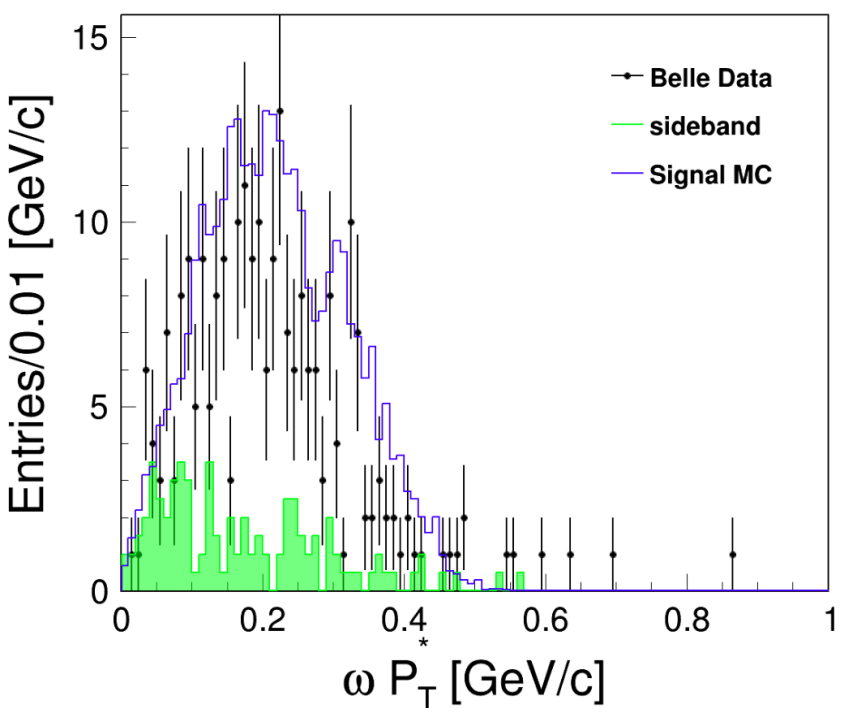
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$\omega J/\psi$ 



Our result: 980fb
 242 events with 54 sideband from M_ω , $\varepsilon = 4.96\%$.
 Uehara: 694fb ,73 events. $\varepsilon = 2.1\%$.

