

Process

Theoretical cross section

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$$\sigma_{\text{SPS}}^{\text{pPb} \rightarrow \text{J}/\psi + X} \mathcal{B}(\text{J}/\psi \rightarrow \mu^+ \mu^-) \quad 4.51 \pm 0.42 \mu\text{b}$$

$$\sigma_{\text{SPS}}^{\text{pPb} \rightarrow \text{J}/\psi \text{J}/\psi + X} \mathcal{B}^2(\text{J}/\psi \rightarrow \mu^+ \mu^-) \quad 20.2^{+38.5}_{-13.1} \text{pb}$$