

SPS single- J/ψ production		SPS double- J/ψ production			SPS triple- J/ψ production			
HO(DATA)	MG5NLO+PY8	HO(NLO*)	HO(LO)+PY8	MG5NLO+PY8	HO(LO)	HO(LO)+PY8	HO(LO)+PY8	MG5NLO+PY8
σ_{SPS}^{1p}	$\sigma_{\text{SPS}}^{1np}$	σ_{SPS}^{2p}	$\sigma_{\text{SPS}}^{1p1np}$	$\sigma_{\text{SPS}}^{2np}$	σ_{SPS}^{3p}	$\sigma_{\text{SPS}}^{2p1np}$	$\sigma_{\text{SPS}}^{1p2np}$	$\sigma_{\text{SPS}}^{3np}$
570 ± 57 nb	600^{+130}_{-220} nb	40^{+80}_{-26} pb	24^{+35}_{-16} fb	430^{+95}_{-130} pb	< 5 ab	$5.2^{+9.6}_{-3.3}$ fb	14^{+17}_{-8} ab	12 ± 4 fb