

Systematic uncertainty

ecms	Lint	Photon detection	$e^+e^-/\mu^+\mu^-$ tracking	$\pi^+\pi^-$ tracking	Branch fraction	Radiative correction	$J/\psi$ mass window cut	Kinematic fit	Background shape	Signal shape	Fitting range	other	total
3872	1.0%	2.0%	2.0%	0.57%	0.91%	0.84%	1.45%	1.19%	5.27%	0.12%	10.57%	1.0%	12.40%
4180	1.0%	2.0%	2.0%	0.45%	0.91%	1.01%	0.07%	0.73%	0.51%	0.31%	0.95%	1.0%	3.59%
4230	1.0%	2.0%	2.0%	0.44%	0.91%	1.59%	0.12%	0.73%	0.31%	0.31%	0.97%	1.0%	3.77%
4260	1.0%	2.0%	2.0%	0.50%	0.91%	2.56%	0.84%	1.17%	0.57%	0.42%	2.90%	1.0%	5.19%
4360	1.0%	2.0%	2.0%	0.51%	0.91%	10.98%	0.22%	0.24%	1.82%	0.20%	3.42%	1.0%	12.07%
4420	1.0%	2.0%	2.0%	0.68%	0.91%	4.54%	0.04%	0.38%	0.59%	0.41%	0.53%	1.0%	5.63%
4680	1.0%	2.0%	2.0%	0.31%	0.91%	6.14%	4.83%	7.49%	6.84%	0.54%	33.14%	1.0%	36.26%
4840	1.0%	2.0%	2.0%	0.25%	0.91%	2.29%	4.42%	33.98%	95.23%	0.64%	32.59%	1.0%	106.40%

$\sqrt{s}(\text{GeV})$	$\mathcal{L}_{int}^*$	Photon detection*	Lepton	pion	$M(\ell^+\ell^-)$	Kinematic fit	Bkg	sig	fit	Radiative correction	Br*	other	total
3.8077	1.0	2.0	2.0	0.1	0.2	0.8	0.7	12.2	5.1	0.1	0.8	1.0	13.7
3.8962	1.0	2.0	2.0	0.1	1.3	0.4	6.0	11.2	5.0	0.3	0.8	1.0	13.7
4.0076	1.0	2.0	2.0	0.1	0.3	1.3	0.6	3.5	1.0	0.1	0.8	1.0	5.1
4.0855	1.0	2.0	2.0	0.1	0.1	1.2	0.1	2.6	1.3	0.1	0.8	1.0	4.5
4.1780	1.0	2.0	2.0	0.1	0.2	1.1	0.4	0.1	0.4	0.1	0.8	1.0	3.5
4.1886	1.0	2.0	2.0	0.1	0.2	1.3	0.8	0.8	0.8	0.4	0.8	1.0	3.8
4.1893	1.0	2.0	2.0	0.1	0.2	1.3	0.5	0.3	0.2	0.1	0.8	1.0	3.6
4.1996	1.0	2.0	2.0	0.1	0.2	1.3	0.4	0.5	0.2	0.1	0.8	1.0	3.6
4.2077	1.0	2.0	2.0	0.1	1.4	1.0	0.1	0.8	0.3	0.4	0.8	1.0	3.8
4.2097	1.0	2.0	2.0	0.1	0.2	1.4	0.4	0.3	0.3	0.1	0.8	1.0	3.6
4.2171	1.0	2.0	2.0	0.1	1.0	1.0	2.1	0.3	0.5	0.5	0.8	1.0	4.2
4.2188	1.0	2.0	2.0	0.1	0.1	1.4	0.3	0.2	0.3	0.1	0.8	1.0	3.6
4.2263	1.0	2.0	2.0	0.1	0.2	1.3	0.3	0.3	1.2	0.5	0.8	1.0	3.8
4.2358	1.0	2.0	2.0	0.1	0.2	1.2	0.2	0.2	0.4	0.1	0.8	1.0	3.6
4.2417	1.0	2.0	2.0	0.1	1.3	1.4	4.2	0.5	1.2	0.2	0.8	1.0	5.8
4.2439	1.0	2.0	2.0	0.1	0.2	1.3	0.1	0.4	0.2	0.1	0.8	1.0	3.6
4.2580	1.0	2.0	2.0	0.1	0.2	1.3	0.8	3.3	1.7	0.3	0.8	1.0	5.2
4.2669	1.0	2.0	2.0	0.1	0.2	1.1	0.1	0.5	0.7	0.1	0.8	1.0	3.6
4.2778	1.0	2.0	2.0	0.1	0.5	0.9	0.1	0.7	0.2	0.1	0.8	1.0	3.7
4.3079	1.0	2.0	2.0	0.1	0.2	0.8	0.7	8.7	2.2	1.4	0.8	1.0	9.7
4.3583	1.0	2.0	2.0	0.1	0.1	0.6	0.6	2.4	1.3	0.3	0.8	1.0	4.3
4.3874	1.0	2.0	2.0	0.1	0.1	0.9	0.1	2.6	6.5	0.2	0.8	1.0	7.8
4.4156	1.0	2.0	2.0	0.1	0.1	0.9	0.1	0.1	1.5	0.4	0.8	1.0	3.7
4.4671	1.0	2.0	2.0	0.1	0.5	1.6	0.3	10.5	3.8	1.6	0.8	1.0	11.9
4.5271	1.0	2.0	2.0	0.1	0.2	0.5	0.7	12.2	4.3	0.7	0.8	1.0	13.3
4.5745	1.0	2.0	2.0	0.1	0.1	0.7	0.1	12.8	3.2	1.2	0.8	1.0	13.1
4.5995	1.0	2.0	2.0	0.1	0.3	1.6	0.1	8.1	2.0	0.5	0.8	1.0	9.1