



中国科学院高能物理研究所
Institute of High Energy Physics
Chinese Academy of Sciences



Double Jpsi



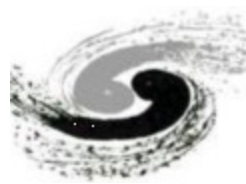
2016



Dataset	Recorded Lumi	Signal number	Raw data Cross section
/Charmonium/Run2016B-21Feb2020-ver2 UL2016 HIPM-v1/AOD	5.819/fb	164 ± 15	$8.00 \pm 0.71 \text{ pb}$
/Charmonium/Run2016C-21Feb2020 UL2016 HIPM-v1/AOD	2.615/fb	54 ± 9	$5.85 \pm 0.94 \text{ pb}$
/Charmonium/Run2016D-21Feb2020 UL2016 HIPM-v1/AOD	4.281/fb	106 ± 12	$7.02 \pm 0.79 \text{ pb}$
/Charmonium/Run2016E-21Feb2020 UL2016 HIPM-v1/AOD	4.035/fb	78 ± 10	$5.53 \pm 0.74 \text{ pb}$
/Charmonium/Run2016F-21Feb2020 UL2016 HIPM-v1/AOD	2.706/fb	75 ± 10	$7.93 \pm 1.05 \text{ pb}$
/Charmonium/Run2016F-21Feb2020 UL2016-v1/AOD	0.416/fb	10 ± 3	$7.09 \pm 2.41 \text{ pb}$
/Charmonium/Run2016G-21Feb2020 UL2016-v1/AOD	7.658/fb	255 ± 19	$9.47 \pm 0.70 \text{ pb}$
/Charmonium/Run2016H-21Feb2020 UL2016-v1/AOD	8.773/fb	288 ± 20	$9.32 \pm 0.65 \text{ pb}$
Sum	36.303	1028 ± 37	8.06 ± 0.29



2017



Dataset	Recorded Lumi	Signal number	Raw data Cross section
/Charmonium/Run2017C-09Aug2019 UL2017-v1/AOD	9.784/fb	440 ± 24	$12.77 \pm 0.70\text{pb}$
/Charmonium/Run2017D-09Aug2019 UL2017-v1/AOD	4.280/fb	180 ± 15	$11.98 \pm 0.99\text{pb}$
/Charmonium/Run2017E-09Aug2019 UL2017-v1/AOD	9.425/fb	378 ± 22	$11.40 \pm 0.68\text{pb}$
/Charmonium/Run2017F-09Aug2019 UL2017-v1/AOD	13.645/fb	496 ± 25	$10.33 \pm 0.53\text{pb}$
Sum	37.134/fb	1289 ± 41	$9.88 \pm 0.31\text{pb}$



2018



Dataset	Recorded Lumi	Signal number	Raw data Cross section
/Charmonium/Run2018A-12Nov2019 UL2018 rsb-v1/AOD	14.742 /fb	624 ± 28	$12.03 \pm 0.54\text{pb}$
/Charmonium/Run2018B-12Nov2019 UL2018-v1/AOD	7.155/fb	278 ± 18	$11.04 \pm 0.75\text{pb}$
/Charmonium/Run2018C-12Nov2019 UL2018 rsb v2-v2/AOD	6.903/fb	253 ± 18	$10.43 \pm 0.76\text{pb}$
/Charmonium/Run2018D-12Nov2019 UL2018-v1/AOD	32.514/fb	1155 ± 39	$10.13 \pm 0.34\text{pb}$
Sum	61.314/fb	2301 ± 54	$10.67 \pm 0.25\text{pb}$