

$\chi_{c2}(2P)$ 

$$I^G(J^{PC}) = 0^+(2^{++})$$

 $\chi_{c2}(2P)$  MASS

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
<b>3929±5±2</b>	64	UEHARA	06 BELL	10.6 $e^+e^- \rightarrow e^+e^- D\bar{D}$

 $\chi_{c2}(2P)$  WIDTH

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
<b>29±10±2</b>	64	UEHARA	06 BELL	10.6 $e^+e^- \rightarrow e^+e^- D\bar{D}$

 $\chi_{c2}(2P)$  DECAY MODES

Mode
$\Gamma_1$ $\gamma\gamma$
$\Gamma_2$ $D\bar{D}$
$\Gamma_3$ $D^+D^-$
$\Gamma_4$ $D^0\bar{D}^0$

 $\chi_{c2}(2P)$  PARTIAL WIDTHS

$$\text{———— } \chi_{c2}(2P) \Gamma(\gamma\gamma)\Gamma(i)/\Gamma(\text{total}) \text{ —————}$$

$\Gamma(\gamma\gamma) \times \Gamma(D\bar{D})/\Gamma_{\text{total}}$					$\Gamma_1\Gamma_2/\Gamma$
VALUE (keV)	EVTS	DOCUMENT ID	TECN	COMMENT	
<b>0.18±0.05±0.03</b>	64	<sup>1</sup> UEHARA	06 BELL	10.6 $e^+e^- \rightarrow e^+e^- D\bar{D}$	

<sup>1</sup> Assuming  $B(D^+D^-) = 0.89 B(D^0\bar{D}^0)$ . $\chi_{c2}(2P)$  BRANCHING RATIOS

$\Gamma(D^+D^-)/\Gamma(D^0\bar{D}^0)$					$\Gamma_3/\Gamma_4$
VALUE	EVTS	DOCUMENT ID	TECN	COMMENT	
<b>0.74±0.43±0.16</b>	64	UEHARA	06 BELL	10.6 $e^+e^- \rightarrow e^+e^- D\bar{D}$	

 $\chi_{c2}(2P)$  REFERENCESUEHARA 06 PRL 96 082003 S. Uehara *et al.* (BELLE Collab.)

## OTHER RELATED PAPERS

EICHTEN 06 PR D73 014014 E.J. Eichten, K. Lane, C. Quigg