$\chi_{c0}(3860)$

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

OMITTED FROM SUMMARY TABLE

The assignment $J^P = 0^+$ is preferred over 2^+ by 2.5 sigma.

Observed by CHILIKIN 17 using full amplitude analysis of the process $e^+e^- \to J/\psi D\overline{D}$, where $D = D^0$, D^+. Not seen by AAIJ 20AI in the decay $B^+ \to D^+D^-K^+$.

$\chi_{c0}(3860)$ MASS

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
$\mathbf{3862^{+26+40}_{-32-13}}$	CHILIKIN	17	BELL	$e^+e^- \to J/\psi D\overline{D}$

$\chi_{c0}(3860)$ WIDTH

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
$\mathbf{201^{+154+88}_{-\ 67-82}}$	CHILIKIN	17	BELL	$e^+e^- \to J/\psi D\overline{D}$

$\chi_{c0}(3860)$ DECAY MODES

	Mode	Fraction (Γ_i/Γ)
Γ_1	$D^0\overline{D}^0$	seen
Γ_2	D^+D^-	seen

$\chi_{c0}(3860)$ BRANCHING RATIOS

$\Gamma(D^0\overline{D}^0)/\Gamma_{total}$ **Γ_1/Γ**

VALUE	*DOCUMENT ID*		*TECN*	*COMMENT*
seen	CHILIKIN	17	BELL	$e^+e^- \to J/\psi D^0\overline{D}^0$

$\Gamma(D^+D^-)/\Gamma_{total}$ **Γ_2/Γ**

VALUE	*DOCUMENT ID*		*TECN*	*COMMENT*
seen	CHILIKIN	17	BELL	$e^+e^- \to J/\psi D^+D^-$

$\chi_{c0}(3860)$ REFERENCES

AAIJ	20AI	PR D102 112003	R. Aaij *et al.*	(LHCb Collab.)
CHILIKIN	17	PR D95 112003	K. Chilikin *et al.*	(BELLE Collab.) JPC