

$\eta(1760)$

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

OMITTED FROM SUMMARY TABLE

Seen by DM2 in the $\rho\rho$ system (BISELLO 89B). Structure in this region has been reported before in the same system (BALTRUSAITIS 86B) and in the $\omega\omega$ system (BALTRUSAITIS 85C, BISELLO 87). Needs confirmation.

$\eta(1760)$ MASS

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
1756 ± 9 OUR AVERAGE				
1744 ± 10 ± 15	1045	¹ ABLIKIM	06H BES	$J/\psi \rightarrow \gamma\omega\omega$
1760 ± 11	320	² BISELLO	89B DM2	$J/\psi \rightarrow 4\pi\gamma$

¹ From a partial wave analysis including $\eta(1760)$, $f_0(1710)$, $f_2(1640)$, and $f_2(1910)$.

² Estimated by us from various fits.

$\eta(1760)$ WIDTH

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
96 ± 70 OUR AVERAGE Error includes scale factor of 5.1.				
244 $^{+24}_{-21}$ ± 25	1045	³ ABLIKIM	06H BES	$J/\psi \rightarrow \gamma\omega\omega$
60 ± 16	320	⁴ BISELLO	89B DM2	$J/\psi \rightarrow 4\pi\gamma$

³ From a partial wave analysis including $\eta(1760)$, $f_0(1710)$, $f_2(1640)$, and $f_2(1910)$.

⁴ Estimated by us from various fits.

$\eta(1760)$ REFERENCES

ABLIKIM	06H	PR D73 112007	M. Ablikim <i>et al.</i>	(BES Collab.)
BISELLO	89B	PR D39 701	G. Busetto <i>et al.</i>	(DM2 Collab.)
BISELLO	87	PL B192 239	D. Bisello <i>et al.</i>	(PADO, CLER, FRAS+)
BALTRUSAITIS...	86B	PR D33 1222	R.M. Baltrusaitis <i>et al.</i>	(Mark III Collab.)
BALTRUSAITIS...	85C	PRL 55 1723	R.M. Baltrusaitis <i>et al.</i>	(CIT, UCSC+)

OTHER RELATED PAPERS

LI	08A	PR D77 074004	D.-M. Li, B. Ma	(ZHZH)
BAI	99	PL B446 356	J.Z. Bai <i>et al.</i>	(BES Collab.)