$\eta_2(1645)$

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

OMITTED FROM SUMMARY TABLE

$\eta_2(1645)$ MASS

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*CHG*	*COMMENT*
1632±14 OUR AVERAGE					
1620±20	BARBERIS	97B	OMEG		450 $pp \to pp2(\pi^+\pi^-)$
1645±14±15	ADOMEIT	96	CBAR	0	1.94 $\overline{p}p \to \eta 3\pi^0$

$\eta_2(1645)$ WIDTH

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*CHG*	*COMMENT*
180^{+22}_{-20} OUR AVERAGE					
180±25	BARBERIS	97B	OMEG		450 $pp \to pp2(\pi^+\pi^-)$
180^{+40}_{-21}±25	ADOMEIT	96	CBAR	0	1.94 $\overline{p}p \to \eta 3\pi^0$

$\eta_2(1645)$ DECAY MODES

	Mode
Γ_1	$a_2(1320)\pi$
Γ_2	$K\overline{K}\pi$
Γ_3	$K^*\overline{K}$

$\eta_2(1645)$ BRANCHING RATIOS

$\Gamma(K\overline{K}\pi)/\Gamma(a_2(1320)\pi)$ Γ_2/Γ_1

VALUE	*DOCUMENT ID*		*TECN*	*COMMENT*
0.07 ±0.03	[1] BARBERIS	97C	OMEG	450 $pp \to ppK\overline{K}\pi$

[1] Using $2(\pi^+\pi^-)$ data from BARBERIS 97B.

$\eta_2(1645)$ REFERENCES

BARBERIS	97B	PL B413 217	D. Barberis+	(WA102 Collab.)
BARBERIS	97C	PL B413 225	D. Barberis+	(WA102 Collab.)
ADOMEIT	96	ZPHY C71 227	+Amsler, Armstrong+	(Crystal Barrel Collab.)