$f_2(1430)$

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

OMITTED FROM SUMMARY TABLE

This entry lists nearby peaks observed in the D wave of the $K\overline{K}$ and $\pi^+\pi^-$ systems. Needs confirmation.

$f_2(1430)$ MASS

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
≈ 1430 OUR ESTIMATE				
• • • We do not use the following data for averages, fits, limits, etc. • • •				
$1440 \pm 11 \pm 3$	LEES	21A	BABR	$\gamma\gamma \to \eta_c(1S) \to \eta'\pi^+\pi^-$
1453 ± 4	[1] VLADIMIRSK...01		SPEC	40 $\pi^- p \to K^0_S K^0_S n$
1421 ± 5	AUGUSTIN	87	DM2	$J/\psi \to \gamma\pi^+\pi^-$
1480 ± 50	AKESSON	86	SPEC	$pp \to pp\pi^+\pi^-$
1436^{+26}_{-16}	DAUM	84	CNTR	17–18 $\pi^- p \to K^+K^- n$
1412 ± 3	DAUM	84	CNTR	63 $\pi^- p \to K^0_S K^0_S n$, $K^+K^- n$
1439^{+5}_{-6}	[2] BEUSCH	67	OSPK	5,7,12 $\pi^- p \to K^0_S K^0_S n$

[1] $J^{PC} = 0^{++}$ or 2^{++}.
[2] Not seen by WETZEL 76.

$f_2(1430)$ WIDTH

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
• • • We do not use the following data for averages, fits, limits, etc. • • •				
$46 \pm 15 \pm 5$	LEES	21A	BABR	$\gamma\gamma \to \eta_c(1S) \to \eta'\pi^+\pi^-$
13 ± 5	[3] VLADIMIRSK...01		SPEC	40 $\pi^- p \to K^0_S K^0_S n$
30 ± 9	AUGUSTIN	87	DM2	$J/\psi \to \gamma\pi^+\pi^-$
150 ± 50	AKESSON	86	SPEC	$pp \to pp\pi^+\pi^-$
81^{+56}_{-29}	DAUM	84	CNTR	17–18 $\pi^- p \to K^+K^- n$
14 ± 6	DAUM	84	CNTR	63 $\pi^- p \to K^0_S K^0_S n$, $K^+K^- n$
43^{+17}_{-18}	[4] BEUSCH	67	OSPK	5,7,12 $\pi^- p \to K^0_S K^0_S n$

[3] $J^{PC} = 0^{++}$ or 2^{++}.
[4] Not seen by WETZEL 76.

$f_2(1430)$ DECAY MODES

	Mode
Γ_1	$K\overline{K}$
Γ_2	$\pi\pi$

$f_2(1430)$ REFERENCES

LEES	21A	PR D104 072002	J.P. Lees *et al.*	(BABAR Collab.)
VLADIMIRSK...	01	PAN 64 1895	V.V. Vladmirsky *et al.*	
		Translated from YAF 64 1979.		
AUGUSTIN	87	ZPHY C36 369	J.E. Augustin *et al.*	(LALO, CLER, FRAS+)
AKESSON	86	NP B264 154	T. Akesson *et al.*	(Axial Field Spec. Collab.)
DAUM	84	ZPHY C23 339	C. Daum *et al.*	(AMST, CERN, CRAC, MPIM+) JP
WETZEL	76	NP B115 208	W. Wetzel *et al.*	(ETH, CERN, LOIC)
BEUSCH	67	PL 25B 357	W. Beusch *et al.*	(ETH, CERN)