$f_2(1430)$

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

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. • • •				
1453 ± 4	[2] VLADIMIRSKY	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}	[1] BEUSCH	67	OSPK	5,7,12 $\pi^- p \to K^0_S K^0_S n$

[1] Not seen by WETZEL 76.

[2] $J^{PC} = 0^{++}$ or 2^{++}.

f_2(1430) WIDTH

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
• • • We do not use the following data for averages, fits, limits, etc. • • •				
13 ± 5	[4] VLADIMIRSKY	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}	[3] BEUSCH	67	OSPK	5,7,12 $\pi^- p \to K^0_S K^0_S n$

[3] Not seen by WETZEL 76.

[4] $J^{PC} = 0^{++}$ or 2^{++}.

f_2(1430) DECAY MODES

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

$f_2(1430)$ REFERENCES

VLADIMIRSKY	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)