$f_2(1430)$

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

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	[1] VLADIMIRSK...01		SPEC	40 $\pi^- p \rightarrow K^0_S K^0_S n$
1421± 5	AUGUSTIN	87	DM2	$J/\psi \rightarrow \gamma\pi^+\pi^-$
1480±50	AKESSON	86	SPEC	$pp \rightarrow pp\pi^+\pi^-$
1436^{+26}_{-16}	DAUM	84	CNTR	17–18 $\pi^- p \rightarrow K^+K^- n$
1412± 3	DAUM	84	CNTR	63 $\pi^- p \rightarrow K^0_S K^0_S n$, $K^+K^- n$
$1439^{+\ 5}_{-\ 6}$	[2] BEUSCH	67	OSPK	5,7,12 $\pi^- p \rightarrow K^0_S K^0_S n$

[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. • • •				
13± 5	[3] VLADIMIRSK...01		SPEC	40 $\pi^- p \rightarrow K^0_S K^0_S n$
30± 9	AUGUSTIN	87	DM2	$J/\psi \rightarrow \gamma\pi^+\pi^-$
150±50	AKESSON	86	SPEC	$pp \rightarrow pp\pi^+\pi^-$
81^{+56}_{-29}	DAUM	84	CNTR	17–18 $\pi^- p \rightarrow K^+K^- n$
14± 6	DAUM	84	CNTR	63 $\pi^- p \rightarrow K^0_S K^0_S n$, $K^+K^- n$
43^{+17}_{-18}	[4] BEUSCH	67	OSPK	5,7,12 $\pi^- p \rightarrow K^0_S K^0_S n$

[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

VLADIMIRSK...	01	PAN 64 1895 Translated from YAF 64 1979.	V.V. Vladmirsky *et al.*	
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)