$f_2(1430)$

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

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. • • •				
1421 ± 5	AUGUSTIN	87	DM2	$J/\psi \to \gamma\pi^+\pi^-$
1410 ± 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.

$f_2(1430)$ WIDTH

VALUE (MeV)	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •				
30 ± 9	AUGUSTIN	87	DM2	$J/\psi \to \gamma\pi^+\pi^-$
80 ± 40	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}	[2] BEUSCH	67	OSPK	5,7,12 $\pi^- p \to K^0_S K^0_S n$

[2] Not seen by WETZEL 76.

$f_2(1430)$ DECAY MODES

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

$f_2(1430)$ REFERENCES

AUGUSTIN	87	ZPHY C36 369	+Cosme+	(LALO, CLER, FRAS, PADO)
AKESSON	86	NP B264 154	+Albrow, Almehed+	(Axial Field Spec. Collab.)
DAUM	84	ZPHY C23 339	+Hertzberger+	(AMST, CERN, CRAC, MPIM, OXF+) JP
WETZEL	76	NP B115 208	+Freudenreich, Beusch+	(ETH, CERN, LOIC)
BEUSCH	67	PL 25B 357	+Fischer, Gobbi, Astbury+	(ETH, CERN)