$f_6(2510)$

$$I^G(J^{PC}) = 0^+(6^{++})$$

OMITTED FROM SUMMARY TABLE
Needs confirmation.

$f_6(2510)$ MASS

VALUE (MeV)	DOCUMENT ID		TECN	COMMENT
2465±50 OUR AVERAGE	Error includes scale factor of 2.1.			
2420±30	ALDE	98	GAM4	100 $\pi^- p \to \pi^0 \pi^0 n$
2510±30	BINON	84B	GAM2	38 $\pi^- p \to n 2\pi^0$

$f_6(2510)$ WIDTH

VALUE (MeV)	DOCUMENT ID		TECN	COMMENT
255±40 OUR AVERAGE				
270±60	ALDE	98	GAM4	100 $\pi^- p \to \pi^0 \pi^0 n$
240±60	BINON	84B	GAM2	38 $\pi^- p \to n 2\pi^0$

$f_6(2510)$ DECAY MODES

	Mode	Fraction (Γ_i/Γ)
Γ_1	$\pi\pi$	(6.0±1.0) %

$f_6(2510)$ BRANCHING RATIOS

$\Gamma(\pi\pi)/\Gamma_{\textbf{total}}$ Γ_1/Γ

VALUE	DOCUMENT ID		TECN	COMMENT
0.06±0.01	[1] BINON	83C	GAM2	38 $\pi^- p \to n 4\gamma$

[1] Assuming one pion exchange and using data of BOLOTOV 74.

$f_6(2510)$ REFERENCES

ALDE	98	EPJ A3 361	D. Alde *et al.*	(GAM4 Collab.)
Also		PAN 62 405	D. Alde *et al.*	(GAMS Collab.)
		Translated from YAF 62 446.		
BINON	84B	LNC 39 41	F.G. Binon *et al.*	(SERP, BELG, LAPP) JP
BINON	83C	SJNP 38 723	F.G. Binon *et al.*	(SERP, BRUX+)
		Translated from YAF 38 1199.		
BOLOTOV	74	PL 52B 489	V.N. Bolotov *et al.*	(SERP)