$a_6(2450)$

$I^G(J^{PC}) = 1^-(6^{++})$

OMITTED FROM SUMMARY TABLE

Seen in partial-wave analysis of the $K\overline{K}$ system. Needs confirmation.

$a_6(2450)$ MASS

VALUE (MeV)	DOCUMENT ID		TECN	CHG	COMMENT
2450±130	[1] CLELAND	82B	SPEC	±	$50\ \pi p \to K^0_S K^{\pm} p$

[1] From an amplitude analysis.

$a_6(2450)$ WIDTH

VALUE (MeV)	DOCUMENT ID		TECN	CHG	COMMENT
400±250	[2] CLELAND	82B	SPEC	±	$50\ \pi p \to K^0_S K^{\pm} p$

[2] From an amplitude analysis.

$a_6(2450)$ DECAY MODES

	Mode
Γ_1	$K\overline{K}$

$a_6(2450)$ REFERENCES

CLELAND 82B NP B208 228 +Delfosse, Dorsaz, Gloor (DURH, GEVA, LAUS, PITT)

$f_6(2510)$

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

OMITTED FROM SUMMARY TABLE

Seen in $\pi^0\pi^0$. Needs confirmation.

$f_6(2510)$ MASS

VALUE (MeV)	DOCUMENT ID		TECN	COMMENT
2510.0±30.0	BINON	84B	GAM2	$38\ \pi^- p \to n 2\pi^0$

$f_6(2510)$ WIDTH

VALUE (MeV)	DOCUMENT ID		TECN	COMMENT
240.0±60.0	BINON	84B	GAM2	$23\ \pi^- p \to n 2\pi^0$

$f_6(2510)$ DECAY MODES

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

$f_6(2510)$ BRANCHING RATIOS

$\Gamma(\pi\pi)/\Gamma_{total}$ **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.

$f_6(2510)$ REFERENCES

BINON 84B LNC 39 41 +Donskov, Duteil, Gouanere+ (SERP, BELG, LAPP) JP
BINON 83C SJNP 38 723 +Gouanere, Donskov, Duteil+ (SERP, BRUX+)
Translated from YAF 38 1199.

$X(3250)$

$I^G(J^{PC}) = ?^?(?^{??})$

OMITTED FROM SUMMARY TABLE

Narrow peak observed in several final states with hidden strangeness ($\Lambda\overline{p}K^+$, $\Lambda\overline{p}K^+\pi^{\pm}$, $K^0 p\overline{p}K^{\pm}$). Needs confirmation. See also under non-$q\overline{q}$ candidates. (See the index for the page number.)

$X(3250)$ MASS

3-BODY DECAYS

VALUE (MeV)	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •				
3250±8±20	[1] ALEEV	93	BIS2	$X(3250) \to \Lambda\overline{p}K^+$
3265±7±20	[1] ALEEV	93	BIS2	$X(3250) \to \overline{\Lambda}pK^-$

[1] Supersedes KEKELIDZE 90.

4-BODY DECAYS

VALUE (MeV)	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •				
3245±8±20	[1] ALEEV	93	BIS2	$X(3250) \to \Lambda\overline{p}K^+\pi^{\pm}$
3250±9±20	[1] ALEEV	93	BIS2	$X(3250) \to \overline{\Lambda}pK^-\pi^{\mp}$
3270±8±20	[1] ALEEV	93	BIS2	$X(3250) \to K^0_S p\overline{p}K^{\pm}$

$X(3250)$ WIDTH

3-BODY DECAYS

VALUE (MeV)	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •				
45±18	[2] ALEEV	93	BIS2	$X(3250) \to \Lambda\overline{p}K^+$
40±18	[2] ALEEV	93	BIS2	$X(3250) \to \overline{\Lambda}pK^-$

[2] Supersedes KEKELIDZE 90.

4-BODY DECAYS

VALUE (MeV)	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •				
25±11	[2] ALEEV	93	BIS2	$X(3250) \to \Lambda\overline{p}K^+\pi^{\pm}$
50±20	[2] ALEEV	93	BIS2	$X(3250) \to \overline{\Lambda}pK^-\pi^{\mp}$
25±11	[2] ALEEV	93	BIS2	$X(3250) \to K^0_S p\overline{p}K^{\pm}$

$X(3250)$ DECAY MODES

	Mode
Γ_1	$\Lambda\overline{p}K^+$
Γ_2	$\Lambda\overline{p}K^+\pi^{\pm}$
Γ_3	$K^0 p\overline{p}K^{\pm}$

$X(3250)$ REFERENCES

ALEEV 93 PAN 56 1358 +Balandin+ (BIS-2 Collab.)
Translated from YAF 56 100.
KEKELIDZE 90 Hadron 89 Conf. p 551+Aleev+ (BIS-2 Collab.)