$\Lambda(1710)\ 1/2^+$

$I(J^P) = 0(\frac{1}{2}^+)$ Status: *

OMITTED FROM SUMMARY TABLE

$\Lambda(1710)$ MASS

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
1713±13	ZHANG	13A	DPWA	Multichannel

$\Lambda(1710)$ WIDTH

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
180±42	ZHANG	13A	DPWA	Multichannel

$\Lambda(1710)$ DECAY MODES

	Mode	Fraction (Γ_i/Γ)
Γ_1	$N\overline{K}$	(43±4) %
Γ_2	$\Sigma\pi$	(21±5) %
Γ_3	$\Sigma^*(1385)\pi$, P-wave	(20±8) %
Γ_4	$N\overline{K}^*(892)$	
Γ_5	$N\overline{K}^*(892)$, S=1/2	(5±4) %
Γ_6	$N\overline{K}^*(892)$, S=3/2, P-wave	(10±8) %

$\Lambda(1710)$ BRANCHING RATIOS

$\Gamma(N\overline{K})/\Gamma_{\text{total}}$ Γ_1/Γ

VALUE	*DOCUMENT ID*		*TECN*	*COMMENT*
0.43±0.04	ZHANG	13A	DPWA	Multichannel

$\Gamma(\Sigma\pi)/\Gamma_{\text{total}}$ Γ_2/Γ

VALUE	*DOCUMENT ID*		*TECN*	*COMMENT*
0.21±0.05	ZHANG	13A	DPWA	Multichannel

$\Gamma(\Sigma^*(1385)\pi, P\text{-wave})/\Gamma_{\text{total}}$ Γ_3/Γ

VALUE	*DOCUMENT ID*		*TECN*	*COMMENT*
0.20±0.08	ZHANG	13A	DPWA	Multichannel

$\Gamma(N\overline{K}^*(892), S=1/2)/\Gamma_{\text{total}}$ Γ_5/Γ

VALUE	*DOCUMENT ID*		*TECN*	*COMMENT*
0.05±0.04	ZHANG	13A	DPWA	Multichannel

$\Gamma(N\overline{K}^*(892), S=3/2, P\text{-wave})/\Gamma_{\text{total}}$ Γ_6/Γ

VALUE	*DOCUMENT ID*		*TECN*	*COMMENT*
0.10±0.08	ZHANG	13A	DPWA	Multichannel

$\Lambda(1710)$ REFERENCES

ZHANG 13A PR C88 035205 H. Zhang *et al.* (KSU)