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

$I(J^P) = 0(\frac{1}{2}^+)$ 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	$N\overline{K}^*(892)$, $S=1/2$	$(\ 5\pm4)$ %
Γ_6	$N\overline{K}^*(892)$, $S=3/2$, P-wave	(10 ± 8) %

$\Lambda(1710)$ BRANCHING RATIOS

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

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

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

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

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

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

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

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

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

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

Λ(1710) REFERENCES

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