

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

$I(J^P) = 0(\frac{1}{2}^+)$ 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)
$\Gamma_1 \quad N\bar{K}$	(43±4) %
$\Gamma_2 \quad \Sigma\pi$	(21±5) %
$\Gamma_3 \quad \Sigma^*(1385)\pi, \text{ } P\text{-wave}$	(20±8) %
$\Gamma_4 \quad N\bar{K}^*(892)$	
$\Gamma_5 \quad N\bar{K}^*(892), S=1/2$	(5±4) %
$\Gamma_6 \quad N\bar{K}^*(892), S=3/2, \text{ } P\text{-wave}$	(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)
