

$\Lambda(1710) 1/2^+$ $I(J^P) = 0(\frac{1}{2}^+)$ Status: *

OMITTED FROM SUMMARY TABLE

 $\Lambda(1710)$ MASS

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
1713±13	ZHANG	13A	DPWA Multichannel

 $\Lambda(1710)$ WIDTH

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
180±42	ZHANG	13A	DPWA Multichannel

 $\Lambda(1710)$ DECAY MODES

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

 $\Lambda(1710)$ BRANCHING RATIOS $\Gamma(N\bar{K})/\Gamma_{\text{total}}$ Γ_1/Γ

<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
0.43±0.04	ZHANG	13A	DPWA Multichannel

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

<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
0.21±0.05	ZHANG	13A	DPWA Multichannel

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

<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
0.20±0.08	ZHANG	13A	DPWA Multichannel

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

<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
0.05±0.04	ZHANG	13A	DPWA Multichannel

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

<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
0.10±0.08	ZHANG	13A	DPWA Multichannel

$\Lambda(1710)$ REFERENCES

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