

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

OMITTED FROM SUMMARY TABLE

 **$\Lambda(1710)$  MASS**

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

 **$\Lambda(1710)$  WIDTH**

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

 **$\Lambda(1710)$  DECAY MODES**

Mode	Fraction ( $\Gamma_i/\Gamma$ )
$\Gamma_1 \ N\bar{K}$	(43±4) %
$\Gamma_2 \ \Sigma\pi$	(21±5) %
$\Gamma_3 \ \Sigma^*(1385)\pi, P\text{-wave}$	(20±8) %
$\Gamma_4 \ N\bar{K}^*(892)$	
$\Gamma_5 \ N\bar{K}^*(892), S=1/2$	( 5±4) %
$\Gamma_6 \ N\bar{K}^*(892), S=3/2, P\text{-wave}$	(10±8) %

 **$\Lambda(1710)$  BRANCHING RATIOS** **$\Gamma(N\bar{K})/\Gamma_{\text{total}}$   $\Gamma_1/\Gamma$** 

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

 **$\Gamma(\Sigma\pi)/\Gamma_{\text{total}}$   $\Gamma_2/\Gamma$** 

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

 **$\Gamma(\Sigma^*(1385)\pi, P\text{-wave})/\Gamma_{\text{total}}$   $\Gamma_3/\Gamma$** 

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

 **$\Gamma(N\bar{K}^*(892), S=1/2)/\Gamma_{\text{total}}$   $\Gamma_5/\Gamma$** 

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

 **$\Gamma(N\bar{K}^*(892), S=3/2, P\text{-wave})/\Gamma_{\text{total}}$   $\Gamma_6/\Gamma$** 

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

## $\Lambda(1710)$ REFERENCES

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

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