

$\Sigma(1730) 3/2^+$  $I(J^P) = 1(\frac{3}{2}^+)$  Status: \*

OMITTED FROM SUMMARY TABLE

 **$\Sigma(1730)$  MASS**

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<b>1727±27</b>	ZHANG	13A DPWA	Multichannel

 **$\Lambda(1730)$  WIDTH**

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<b>276±87</b>	ZHANG	13A DPWA	Multichannel

 **$\Sigma(1730)$  DECAY MODES**

Mode	Fraction ( $\Gamma_i/\Gamma$ )
$\Gamma_1$ $N\bar{K}$	( 2.0± 1.0 ) %
$\Gamma_2$ $\Lambda\pi$	( 70 ± 17 ) %
$\Gamma_3$ $\Sigma\pi$	( 12 ± 6 ) %

 **$\Sigma(1730)$  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>0.02±0.01</b>	ZHANG	13A DPWA	Multichannel

$\Gamma(\Lambda\pi)/\Gamma_{\text{total}}$	$\Gamma_2/\Gamma$		
<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<b>0.70±0.17</b>	ZHANG	13A DPWA	Multichannel

$\Gamma(\Sigma\pi)/\Gamma_{\text{total}}$	$\Gamma_3/\Gamma$		
<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<b>0.12±0.06</b>	ZHANG	13A DPWA	Multichannel

 **$\Sigma(1730)$  REFERENCES**

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