

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

OMITTED FROM SUMMARY TABLE

 $\Sigma(1730)$ MASS

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
1727 ± 27	ZHANG	13A	DPWA Multichannel

 $\Lambda(1730)$ WIDTH

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
276 ± 87	ZHANG	13A	DPWA Multichannel

 $\Sigma(1730)$ DECAY MODES

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

 $\Sigma(1730)$ BRANCHING RATIOS

$\Gamma(N\bar{K})/\Gamma_{\text{total}}$	Γ_1/Γ		
VALUE	DOCUMENT ID	TECN	COMMENT
0.02 ± 0.01	ZHANG	13A	DPWA Multichannel
$\Gamma(\Lambda\pi)/\Gamma_{\text{total}}$	Γ_2/Γ		
VALUE	DOCUMENT ID	TECN	COMMENT
0.70 ± 0.17	ZHANG	13A	DPWA Multichannel
$\Gamma(\Sigma\pi)/\Gamma_{\text{total}}$	Γ_3/Γ		
VALUE	DOCUMENT ID	TECN	COMMENT
0.12 ± 0.06	ZHANG	13A	DPWA Multichannel

 $\Sigma(1730)$ REFERENCES

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