

$\Sigma(1730) \ 3/2^+$ $I(J^P) = 1(\frac{3}{2}^+)$ 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)
$\Gamma_1 \ N\bar{K}$	(2.0± 1.0) %
$\Gamma_2 \ \Lambda\pi$	(70 ± 17) %
$\Gamma_3 \ \Sigma\pi$	(12 ± 6) %

 $\Sigma(1730)$ BRANCHING RATIOS

$\Gamma(N\bar{K})/\Gamma_{\text{total}}$	VALUE	DOCUMENT ID	TECN	COMMENT	Γ_1/Γ
	0.02±0.01	ZHANG	13A	DPWA Multichannel	

$\Gamma(\Lambda\pi)/\Gamma_{\text{total}}$	VALUE	DOCUMENT ID	TECN	COMMENT	Γ_2/Γ
	0.70±0.17	ZHANG	13A	DPWA Multichannel	

$\Gamma(\Sigma\pi)/\Gamma_{\text{total}}$	VALUE	DOCUMENT ID	TECN	COMMENT	Γ_3/Γ
	0.12±0.06	ZHANG	13A	DPWA Multichannel	

 $\Sigma(1730)$ REFERENCES

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