NODE=B166

$\Sigma(1730)\ 3/2^+$

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

OMITTED FROM SUMMARY TABLE

$\Sigma(1730)$ MASS

NODE=B166M

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

NODE=B166M

$\Lambda(1730)$ WIDTH

NODE=B166W

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

NODE=B166W

$\Sigma(1730)$ DECAY MODES

NODE=B166215;NODE=B166

	Mode	Fraction (Γ_i/Γ)	
Γ_1	$N\overline{K}$	(2.0± 1.0) %	DESIG=1
Γ_2	$\Lambda\pi$	(70 ±17) %	DESIG=2
Γ_3	$\Sigma\pi$	(12 ± 6) %	DESIG=3

$\Sigma(1730)$ BRANCHING RATIOS

NODE=B166220

$\Gamma(N\overline{K})/\Gamma_{total}$ — Γ_1/Γ

NODE=B166R01
NODE=B166R01

VALUE	DOCUMENT ID		TECN	COMMENT
0.02±0.01	ZHANG	13A	DPWA	Multichannel

$\Gamma(\Lambda\pi)/\Gamma_{total}$ — Γ_2/Γ

NODE=B166R02
NODE=B166R02

VALUE	DOCUMENT ID		TECN	COMMENT
0.70±0.17	ZHANG	13A	DPWA	Multichannel

$\Gamma(\Sigma\pi)/\Gamma_{total}$ — Γ_3/Γ

NODE=B166R03
NODE=B166R03

VALUE	DOCUMENT ID		TECN	COMMENT
0.12±0.06	ZHANG	13A	DPWA	Multichannel

$\Sigma(1730)$ REFERENCES

NODE=B166

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

REFID=55441