

$\Lambda(2050) \ 3/2^-$

$I(J^P) = 0(\frac{3}{2}^-)$ Status: *

OMITTED FROM SUMMARY TABLE

$\Lambda(2050)$ MASS

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
2056±22	ZHANG	13A	DPWA Multichannel

$\Lambda(2050)$ WIDTH

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
493±61	ZHANG	13A	DPWA Multichannel

$\Lambda(2050)$ DECAY MODES

Mode	Fraction (Γ_i/Γ)
$\Gamma_1 \quad N\bar{K}$	(19 ±4) %
$\Gamma_2 \quad \Sigma \pi$	(6.0±3.0) %
$\Gamma_3 \quad \Sigma^*(1385)\pi, \text{ S-wave}$	(8 ±6) %
$\Gamma_4 \quad \Sigma^*(1385)\pi, \text{ D-wave}$	(4.0±3.0) %
$\Gamma_5 \quad N\bar{K}^*(892), S=1/2$	(23 ±7) %

$\Lambda(2050)$ BRANCHING RATIOS

$\Gamma(N\overline{K})/\Gamma_{\text{total}}$	Γ_1/Γ		
VALUE	DOCUMENT ID	TECN	COMMENT
0.19±0.04	ZHANG	13A	DPWA Multichannel
$\Gamma(\Sigma\pi)/\Gamma_{\text{total}}$	Γ_2/Γ		
VALUE	DOCUMENT ID	TECN	COMMENT
0.06±0.03	ZHANG	13A	DPWA Multichannel
$\Gamma(\Sigma^*(1385)\pi, S\text{-wave})/\Gamma_{\text{total}}$	Γ_3/Γ		
VALUE	DOCUMENT ID	TECN	COMMENT
0.08±0.06	ZHANG	13A	DPWA Multichannel
$\Gamma(\Sigma^*(1385)\pi, D\text{-wave})/\Gamma_{\text{total}}$	Γ_4/Γ		
VALUE	DOCUMENT ID	TECN	COMMENT
0.04±0.03	ZHANG	13A	DPWA Multichannel
$\Gamma(N\overline{K}^*(892), S=1/2)/\Gamma_{\text{total}}$	Γ_5/Γ		
VALUE	DOCUMENT ID	TECN	COMMENT
0.23±0.07	ZHANG	13A	DPWA Multichannel

$\Lambda(2050)$ REFERENCES

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