

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

$I(J^P) = 0(\frac{3}{2}^-)$ 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) %	
$\Gamma_3 \quad \Sigma^*(1385)\pi, \text{ } S\text{-wave}$	(8 ±6) %	
$\Gamma_4 \quad \Sigma^*(1385)\pi, \text{ } D\text{-wave}$	(4.0±3.0) %	
$\Gamma_5 \quad N\bar{K}^*(892), \text{ } S=1/2$	(23 ±7) %	

$\Lambda(2050)$ BRANCHING RATIOS				
$\Gamma(N\bar{K})/\Gamma_{\text{total}}$	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
$\Gamma(\Sigma^*(1385)\pi, \text{ } S\text{-wave})/\Gamma_{\text{total}}$	Γ_3/Γ			
VALUE	DOCUMENT ID	TECN	COMMENT	
0.08±0.06	ZHANG	13A	DPWA	Multichannel
$\Gamma(\Sigma^*(1385)\pi, \text{ } D\text{-wave})/\Gamma_{\text{total}}$	Γ_4/Γ			
VALUE	DOCUMENT ID	TECN	COMMENT	
0.04±0.03	ZHANG	13A	DPWA	Multichannel
$\Gamma(N\bar{K}^*(892), \text{ } S=1/2)/\Gamma_{\text{total}}$	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 <i>et al.</i>	(KSU)