

$\Lambda(2050) \ 3/2^-$ $I(J^P) = 0(\frac{3}{2}^-)$ Status: *

OMITTED FROM SUMMARY TABLE

 $\Lambda(2050)$ MASS

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

 $\Lambda(2050)$ WIDTH

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

 $\Lambda(2050)$ DECAY MODES

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

 $\Lambda(2050)$ BRANCHING RATIOS

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

$\Lambda(2050)$ REFERENCES

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