

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

OMITTED FROM SUMMARY TABLE

 **$\Lambda(2050)$  MASS**

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

 **$\Lambda(2050)$  WIDTH**

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

 **$\Lambda(2050)$  DECAY MODES**

Mode	Fraction ( $\Gamma_i/\Gamma$ )
$\Gamma_1 \ N\bar{K}$	(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**

<b><math>\Gamma(N\bar{K})/\Gamma_{\text{total}}</math></b>		<b><math>\Gamma_1/\Gamma</math></b>	
<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<b>0.19±0.04</b>	ZHANG	13A	DPWA Multichannel
<b><math>\Gamma(\Sigma \pi)/\Gamma_{\text{total}}</math></b>		<b><math>\Gamma_2/\Gamma</math></b>	
<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<b>0.06±0.03</b>	ZHANG	13A	DPWA Multichannel
<b><math>\Gamma(\Sigma^*(1385)\pi, S\text{-wave})/\Gamma_{\text{total}}</math></b>		<b><math>\Gamma_3/\Gamma</math></b>	
<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<b>0.08±0.06</b>	ZHANG	13A	DPWA Multichannel
<b><math>\Gamma(\Sigma^*(1385)\pi, D\text{-wave})/\Gamma_{\text{total}}</math></b>		<b><math>\Gamma_4/\Gamma</math></b>	
<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<b>0.04±0.03</b>	ZHANG	13A	DPWA Multichannel
<b><math>\Gamma(N\bar{K}^*(892), S=1/2)/\Gamma_{\text{total}}</math></b>		<b><math>\Gamma_5/\Gamma</math></b>	
<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<b>0.23±0.07</b>	ZHANG	13A	DPWA Multichannel

## $\Lambda(2050)$ REFERENCES

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

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