

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

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