

$\Lambda(1710) 1/2^+$ $I(J^P) = 0(\frac{1}{2}^+)$ Status: *

OMITTED FROM SUMMARY TABLE

 $\Lambda(1710)$ MASS

| <u>VALUE (MeV)</u> | <u>DOCUMENT ID</u> | <u>TECN</u> | <u>COMMENT</u> |
|--------------------|--------------------|-------------|-------------------|
| 1713±13 | ZHANG | 13A | DPWA Multichannel |

 $\Lambda(1710)$ WIDTH

| <u>VALUE (MeV)</u> | <u>DOCUMENT ID</u> | <u>TECN</u> | <u>COMMENT</u> |
|--------------------|--------------------|-------------|-------------------|
| 180±42 | ZHANG | 13A | DPWA Multichannel |

 $\Lambda(1710)$ DECAY MODES

| Mode | Fraction (Γ_i/Γ) |
|--|--------------------------------|
| Γ_1 $N\bar{K}$ | (43±4) % |
| Γ_2 $\Sigma\pi$ | (21±5) % |
| Γ_3 $\Sigma^*(1385)\pi$, <i>P</i> -wave | (20±8) % |
| Γ_4 $N\bar{K}^*(892)$ | |
| Γ_5 $N\bar{K}^*(892)$, <i>S</i> =1/2 | (5±4) % |
| Γ_6 $N\bar{K}^*(892)$, <i>S</i> =3/2, <i>P</i> -wave | (10±8) % |

 $\Lambda(1710)$ 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> |
|------------------|--------------------|-------------|-------------------|
| 0.43±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> |
|------------------|--------------------|-------------|-------------------|
| 0.21±0.05 | ZHANG | 13A | DPWA Multichannel |

 $\Gamma(\Sigma^*(1385)\pi, P\text{-wave})/\Gamma_{\text{total}}$ Γ_3/Γ

| <u>VALUE</u> | <u>DOCUMENT ID</u> | <u>TECN</u> | <u>COMMENT</u> |
|------------------|--------------------|-------------|-------------------|
| 0.20±0.08 | 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> |
|------------------|--------------------|-------------|-------------------|
| 0.05±0.04 | ZHANG | 13A | DPWA Multichannel |

 $\Gamma(N\bar{K}^*(892), S=3/2, P\text{-wave})/\Gamma_{\text{total}}$ Γ_6/Γ

| <u>VALUE</u> | <u>DOCUMENT ID</u> | <u>TECN</u> | <u>COMMENT</u> |
|------------------|--------------------|-------------|-------------------|
| 0.10±0.08 | ZHANG | 13A | DPWA Multichannel |

$\Lambda(1710)$ REFERENCES

ZHANG

13A PR C88 035205

H. Zhang *et al.*

(KSU)
