# $\Lambda(2585)$ Bumps

$I(J^P) = 0(?^?)$ Status: **

OMITTED FROM SUMMARY TABLE

## $\Lambda(2585)$ MASS (BUMPS)

| VALUE (MeV) | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|
| **≈ 2585 OUR ESTIMATE** | | | | |
| 2585±45 | ABRAMS | 70 | CNTR | $K^- p$, $K^- d$ total |
| 2530±25 | LU | 70 | CNTR | $\gamma p \rightarrow K^+ Y^*$ |

## $\Lambda(2585)$ WIDTH (BUMPS)

| VALUE (MeV) | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|
| 300 | ABRAMS | 70 | CNTR | $K^- p$, $K^- d$ total |
| 150 | LU | 70 | CNTR | $\gamma p \rightarrow K^+ Y^*$ |

## $\Lambda(2585)$ DECAY MODES (BUMPS)

| | Mode |
|---|---|
| $\Gamma_1$ | $N\overline{K}$ |

## $\Lambda(2585)$ BRANCHING RATIOS (BUMPS)

**$(J+\frac{1}{2})\times\Gamma(N\overline{K})/\Gamma_{total}$** **$\Gamma_1/\Gamma$**

$J$ is not known, so only $(J+\frac{1}{2}) \times \Gamma(N\overline{K})/\Gamma_{total}$ can be given.

| VALUE | DOCUMENT ID | | TECN | COMMENT |
|---|---|---|---|---|
| 1 | ABRAMS | 70 | CNTR | $K^- p$, $K^- d$ total |
| 0.12±0.12 | [1] BRICMAN | 70 | CNTR | Total, charge exchange |

## $\Lambda(2585)$ FOOTNOTES (BUMPS)

[1] The resonance is at the end of the region analyzed — no clear signal.

## $\Lambda(2585)$ REFERENCES (BUMPS)


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|---|---|---|---|---|
| ABRAMS | 70 | PR D1 1917 | +Cool, Giacomelli, Kycia, Leontic, Li+ | (BNL) I |
| Also | 66 | PRL 16 1228 | Cool, Giacomelli, Kycia, Leontic, Lundby+ | (BNL) I |
| BRICMAN | 70 | PL 31B 152 | +Ferro-Luzzi, Perreau+ | (CERN, CAEN, SACL) |
| LU | 70 | PR D2 1846 | +Greenberg, Hughes, Minehart, Mori+ | (YALE) |