

# $\Lambda(2585)$ Bumps

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

OMITTED FROM SUMMARY TABLE

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

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<b><math>\approx 2585</math> OUR ESTIMATE</b>			
2585 ± 45	ABRAMS	70	CNTR $K^- p, K^- d$ total
2530 ± 25	LU	70	CNTR $\gamma p \rightarrow K^+ Y^*$

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

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

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

Mode
$\Gamma_1 \quad N\bar{K}$

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

$(J+\frac{1}{2}) \times \Gamma(N\bar{K}) / \Gamma_{\text{total}}$	$\Gamma_1 / \Gamma$		
$J$ is not known, so only $(J+\frac{1}{2}) \times \Gamma(N\bar{K}) / \Gamma_{\text{total}}$ can be given.			
<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
1	ABRAMS	70	CNTR $K^- p, K^- d$ total
0.12 ± 0.12	<sup>1</sup> BRICMAN	70	CNTR Total, charge exchange

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

<sup>1</sup> The resonance is at the end of the region analyzed — no clear signal.

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

ABRAMS	70	PR D1 1917	R.J. Abrams <i>et al.</i>	
Also		PRL 16 1228	R.L. Cool <i>et al.</i>	(BNL) I
BRICMAN	70	PL 31B 152	C. Bricman <i>et al.</i>	(BNL) I
LU	70	PR D2 1846	D.C. Lu <i>et al.</i>	(CERN, CAEN, SACL) (YALE)