

$\Lambda(2585)$ Bumps

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

OMITTED FROM SUMMARY TABLE

$\Lambda(2585)$ MASS (BUMPS)

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
≈ 2585 OUR ESTIMATE			
2585 \pm 45	ABRAMS	70	CNTR $K^- p, K^- d$ total
2530 \pm 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
$\Gamma_1 \quad N\bar{K}$

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

$(J+\frac{1}{2}) \times \Gamma(N\bar{K}) / \Gamma_{\text{total}}$ Γ_1 / Γ

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

VALUE	DOCUMENT ID	TECN	COMMENT
1	ABRAMS	70	CNTR $K^- p, K^- d$ total
0.12 \pm 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)

ABRAMS	70	PR D1 1917	R.J. Abrams <i>et al.</i>	(BNL) 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>	(CERN, CAEN, SACL)
LU	70	PR D2 1846	D.C. Lu <i>et al.</i>	(YALE)