

$\Lambda(2585)$ Bumps

$$I(J^P) = 0(?^?) \quad \text{Status: } *$$

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)