

$\Lambda(2585)$ 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	
Γ_1	$N \bar{K}$

$\Lambda(2585)$ BRANCHING RATIOS (BUMPS)				
$(J+\frac{1}{2}) \times \Gamma(N\overline{K})/\Gamma_{\text{total}}$	Γ_1/Γ			
J is not known, so only $(J+\frac{1}{2}) \times \Gamma(N\overline{K})/\Gamma_{\text{total}}$ 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)	
ABRAMS	70 PR D1 1917 R.J. Abrams <i>et al.</i> (BNL) I
Also	66 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)