$\Lambda(2585)$ 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	$\gamma p \to K^+ Y^*$

$\Lambda(2585)$ WIDTH (BUMPS)

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

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

	Mode
Γ_1	$N\overline{K}$

$\Lambda(2585)$ 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 *et al.*	(BNL) I
Also		PRL 16 1228	R.L. Cool *et al.*	(BNL) I
BRICMAN	70	PL 31B 152	C. Bricman *et al.*	(CERN, CAEN, SACL)
LU	70	PR D2 1846	D.C. Lu *et al.*	(YALE)