$\Lambda(2585)$ 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	$N\overline{K}$

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

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

J is not known, so only $(J+\frac{1}{2}) \times \Gamma(N\overline{K})/\Gamma_{total}$ 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	+Cool, Giacomelli, Kycia, Leontic, Li+	(BNL) I
Also	66	PRL 16 1228	Cool, Giacomelli, Kycia, Leontic, Lundby+	(BNL) I
BRICMAN	70	PL 31B 152	+Ferro-Luzzi, Perreau+	(CERN, CAEN, SACL)
LU	70	PR D2 1846	+Greenberg, Hughes, Minehart, Mori+	(YALE)