

$\Lambda(2585)$ Bumps

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

OMITTED FROM SUMMARY TABLE

$\Lambda(2585)$ MASS (BUMPS)

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
≈ 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)

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
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.			
<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
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	+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)