

Source	Uncertainty				
	$m(\Lambda_c(2940)^+)$ [MeV]	$\Gamma(\Lambda_c(2940)^+)$ [MeV]	$\mathcal{F}(\Lambda_c(2860)^+)$ [%]	$\mathcal{F}(\Lambda_c(2880)^+)$ [%]	$\mathcal{F}(\Lambda_c(2940)^+)$ [%]
Background fraction	0.09	0.23	0.29	0.12	0.19
Efficiency profile	0.12	0.34	0.50	0.24	0.11
Background shape	0.15	0.68	1.13	0.09	0.48
Momentum resolution	0.07	0.09	0.03	0.07	0.02
Mass scale	0.05	—	—	—	—
Fit procedure	0.30	0.45	0.25	0.08	0.15
$\Lambda_c(2880)^+$ parameters	0.01	0.16	0.17	0.03	0.03
Total systematic	0.38	0.92	1.30	0.30	0.55
Breit–Wigner model	+0.10/−0.16	+0.00/−0.34	+0.00/−0.59	+0.01/−0.16	+0.17/−0.31
Nonresonant model	+0.00/−1.43	+5.21/−7.39	+8.77/−1.60	+0.86/−0.41	+2.06/−2.38
— of which hel. form.	+0.00/−0.38	+2.18/−0.00	+1.15/−0.00	+0.00/−0.23	+0.38/−0.00
$\Lambda_c(2940)^+ J^P$	+0.00/−4.32	+0.00/−7.25	+0.00/−5.79	+0.00/−0.67	+0.00/−3.29
Total model	+0.10/−4.58	+5.22/−10.36	+8.82/−6.04	+0.86/−0.80	+2.07/−4.08