

Nonresonant model	$\Lambda_c(2940)^+$ $J^P$	Significance, $\sigma$	
		Statistical	Total
Exponential	No $\Lambda_c(2940)^+$	19.0	8.2
	$1/2^+$	18.3	7.9
	$1/2^-$	10.6	5.6
	$3/2^+$	7.5	3.7
	$5/2^+$	7.5	4.4
	$5/2^-$	7.4	4.5
	$7/2^+$	13.0	6.1
	$7/2^-$	9.9	6.1
Polynomial	No $\Lambda_c(2940)^+$	11.8	5.6
	$1/2^+$	7.3	4.1
	$1/2^-$	7.8	4.5
	$3/2^+$	5.5	3.6
	$5/2^+$	4.8	3.1
	$5/2^-$	3.3	2.2
	$7/2^+$	8.0	6.2
	$7/2^-$	7.9	4.0