

Resonance	$2L$	$2S$	$ A_{LS} $	$\arg(A_{LS})$	additional comment
$\Lambda(1405)$	0	1	2.890	-0.672	
	2	1	2.137	-2.633	
	2	3	1.511	0.509	dependent via Eq. 12
	4	3	2.044	2.470	dependent via Eq. 12
$\Lambda(1520)$	0	1	0.400	-0.016	
	2	1	0.542	0.147	
	2	3	2.063	1.649	
	4	3	1.142	2.083	
	4	5	0.590	-0.607	dependent via Eq. 12
	6	5	0.773	-0.944	dependent via Eq. 12
$\Lambda(1600)$	0	1	7.000	0.970	
	2	1	4.127	3.057	
	2	3	2.918	-0.085	dependent via Eq. 12
	4	3	4.950	-2.171	dependent via Eq. 12
$\Lambda(1670)$	0	1	0.182	2.694	
	2	1	0.394	0.549	
	2	3	0.279	-2.592	dependent via Eq. 12
	4	3	0.129	-0.447	dependent via Eq. 12
$\Lambda(1690)$	0	1	0.371	-2.977	
	2	1	2.426	0.694	
	2	3	1.328	0.263	
	4	3	2.918	0.648	
	4	5	1.225	-2.599	dependent via Eq. 12
	6	5	1.418	0.824	dependent via Eq. 12
$\Lambda(1800)$	0	1	1.000	0.000	fixed in the fit
	2	1	4.418	-1.498	
	2	3	3.124	1.643	dependent via Eq. 12
	4	3	0.707	3.142	dependent via Eq. 12
$\Lambda(1810)$	0	1	1.453	-2.702	
	2	1	0.374	-1.129	
	2	3	0.264	2.012	dependent via Eq. 12
	4	3	1.027	0.440	dependent via Eq. 12
$\Lambda(1820)$	2	3	0.692	-2.965	
	4	3	3.166	-1.937	
	4	5	2.258	-1.733	
	6	5	3.023	-1.299	
	6	7	0.931	2.510	dependent via Eq. 12
	8	7	2.157	-1.984	dependent via Eq. 12