

Table 5.5 from (2002TI10):
Parameters of ${}^5\text{Li}$ resonances deduced from $\alpha + \text{p}$ gamma spectra

J^π	Quantity	Experimental result ^a	Conventional ^b <i>R</i> -matrix	Extended ^b <i>R</i> -matrix
$\frac{3}{2}^-$	σ (μb)	8.0 ± 0.7	–	–
	E_x (MeV) ^c	2.9 ± 0.2	2.08	1.69
	Γ (MeV)	1 ± 0.2	2.11	1.23
$\frac{1}{2}^-$	σ (μb)	4.5 ± 0.4	–	–
	E_x (MeV) ^c	9.3 ± 0.4	8.26	3.18
	Γ (MeV)	10 ± 1	19.8	6.60

^a From Table I of (2000HO18). These results were obtained by fitting the photon spectrum to a background plus two Gaussian peaks representing the two resonances.

^b See Tables 5.3 and 5.4.

^c These energies are relative to the $\alpha + \text{p}$ threshold.