

Table 5.2 from (1988AJ01):  $R$ -matrix values of the peak energy and FWHM of the  $\frac{3}{2}^-$  and  $\frac{1}{2}^-$  states of  ${}^5\text{He}$  and  ${}^5\text{Li}$  <sup>a</sup>

	$E_{\text{max}} (\frac{3}{2}^-)$		$\Gamma (\frac{3}{2}^-)$		$E_x (\frac{1}{2}^-)$		$\Gamma (\frac{1}{2}^-)$	
	${}^5\text{He}$	${}^5\text{Li}$	${}^5\text{He}$	${}^5\text{Li}$	${}^5\text{He}$	${}^5\text{Li}$	${}^5\text{He}$	${}^5\text{Li}$
<sup>b</sup>	$0.838 \pm 0.018$	$1.76 \pm 0.06$	$0.645 \pm 0.046$	$1.18 \pm 0.13$	$1.94 \pm 0.46$	$1.87 \pm 0.56$	$3.6 \pm 1.2$	$4.1 \pm 2.5$
<sup>c</sup>	$0.869 \pm 0.003$	$1.86 \pm 0.01$	$0.723 \pm 0.019$	$1.44 \pm 0.08$	$2.58 \pm 0.40$	$2.68 \pm 0.50$	$5.3 \pm 2.3$	$6.1 \pm 2.8$

<sup>a</sup> (1988WO10):  $a = 5.5$  fm. Energies are in MeV. See also footnote <sup>a</sup> to Table 5.1.

<sup>b</sup> Stripping reactions:  ${}^4\text{He}({}^7\text{Li}, {}^6\text{Li}){}^5\text{He}$  and  ${}^4\text{He}({}^7\text{Li}, {}^6\text{He}){}^5\text{Li}$ .

<sup>c</sup> Pickup reactions:  ${}^6\text{Li}({}^{12}\text{C}, {}^{13}\text{N}){}^5\text{He}$  and  ${}^6\text{Li}({}^{13}\text{C}, {}^{14}\text{C}){}^5\text{Li}$ .