

Table 9.3 from (74AJ01): Resonances in ${}^7\text{Li} + \text{d}$

${}^7\text{Li}(\text{d}, \text{p}){}^8\text{Li}$		${}^7\text{Li}(\text{d}, \text{n}){}^8\text{Be}$	${}^7\text{Li}(\text{d}, \alpha){}^5\text{He}$		
E_{res} (keV)	Γ_{lab} (keV)	E_{res} (keV)	E_{res} (keV)	E_{x} (MeV)	J^{π}
360 ± 3 ^a	< 2	360 ^d		16.976	
777 ± 12 ^b	250	680 ^e	750 ^f	17.300	$(\frac{3}{2})^{-}$ ^h
1031 ± 15 ^b	60	980 ^e	1000 ^f	17.498	$(\frac{3}{2}, \frac{5}{2})^{+}$ ^h
2000 ^c		(1800) ^e		18.3	
2375 ± 50 ^{c,i}			2500 ^g	18.54	
3220 ± 50 ⁱ	400 ± 100			19.20	
≈ 4800 ⁱ				20.4	

^a In ${}^7\text{Li}(\text{d}, \gamma){}^9\text{Be}$ $E_{\text{res}} = 361 \pm 2$ keV (IM65, WO65); $\Gamma_{\text{n}_0}/\Gamma_{\gamma} \approx 1.5$, $\Gamma_{\alpha_0}/\Gamma_{\gamma} < 20$ (IM65) for ${}^9\text{Be}^*(16.98)$.

^b (SC72L, BA52, BA54A).

^c (BE56G).

^d (IM65).

^e (BA52, SL57).

^f (FR71, DE69R, PA63E).

^g (PA63E): broad structure.

^h (DE72P). See, however, (FR71, HE73I).

ⁱ (AB73D).