

Table 9.4 from (1966LA04): Resonances in ${}^7\text{Li} + d$

${}^7\text{Li}(d, p){}^8\text{Li}$		${}^7\text{Li}(d, n){}^8\text{Be}$	${}^7\text{Li}(d, \alpha){}^5\text{He}$	E_x (MeV)	J^π
E_{res}	Γ (keV)	E_{res}	E_{res}		
0.361 ^a	< 0.5			16.973	
0.77 ^b	250	0.68 ^e	(0.7) ^f	17.28	$(\frac{3}{2}, \frac{5}{2})^-$
1.02 ^b	60	0.98 ^e	(1.0) ^f	17.48	$(\frac{1}{2} \rightarrow \frac{7}{2})^+$
(1.375) ^c	51			(17.76)	
2.0 ^d		(1.8) ^e		(18.1)	
2.5 ^d			(2.5) ^f	(18.6)	
3.7 ^d				19.6	

^a (1965IM01, 1965WO01); see also ${}^7\text{Li}(d, \gamma){}^9\text{Be}$.

^b (1952BA1A, 1954BA46).

^c (1960SE08: see also (1952BA1A)).

^d (1956BE1A: see also (1963SE1F)).

^e (1952BA1A, 1957SL01).

^f (1963PA04).