

Table 7.4 from (1979AJ01):
Resonance parameters for 7.5 – 7.2 MeV levels in ${}^7\text{Li}$ and ${}^7\text{Be}$ ^a

Reaction	${}^6\text{Li} + \text{n}$ ^b	${}^6\text{Li} + \text{p}$ ^c
E_r (keV, lab)	262 ^d	1840
$\Gamma(E_r)$ (keV, c.m.)	154	836
E_λ (keV above g.s.)	7700	7580
$\Gamma_{\text{n,p}}(E_r)$ (keV, c.m.)	118 ^e	798
radius (n, p) in fm	3.94	4.08
$\gamma_{\text{n,p}}^2$ (MeV · fm)	4.85	5.02
$\theta_{\text{n,p}}^2$	0.26	0.28
$\Gamma_\alpha(E_r)$ (keV, c.m.)	36 ^e	38
radius (α) in fm	4.39	4.39
γ_α^2 (MeV · fm)	0.101	0.101
θ_α^2	0.012	0.012

^a These states are believed to have a ${}^4\text{P}_{5/2}$ character, consistent with their large θ_{n}^2 and θ_{p}^2 (1959GA08, 1963MC09).

^b (1959GA08). See also (1972ME17).

^c (1963MC09).

^d 245 keV (1974PO07), 241 keV (1977BR21), 244.5 ± 1.0 keV (1977SM1B), 240 keV [see (1978RE1B)].

^e $\Gamma_{\text{n}} = 107$ keV, $\Gamma_\alpha = 43$ keV (1974FO1B; abstract).