

Table 7.4 from (1984AJ01):
Resonance parameters for 7.5-7.2 MeV
levels in ${}^7\text{Li}$ and ${}^7\text{Be}$ ^a

Reaction	${}^6\text{Li} + \text{n}$	${}^6\text{Li} + \text{p}$
E_r (keV, lab)	262 ^b	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	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	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 . For references see [Table 7.4 in \(1979AJ01\)](#).

^b 244.5 ± 1.0 keV ([1982SM02](#)). See also ([1981CH12](#)).