

Table 8.5 from (59AJ76): Levels of ${}^8\text{Be}$ from ${}^4\text{He}(\alpha, \alpha){}^4\text{He}$ ^a

E_x (MeV)	J^π	$\Gamma_{\text{c.m.}}$	R (10^{-13} cm)	θ^2 ($3\hbar^2/2MR^2$)
0	0^+	2.5 ± 1 eV	5.7	0.15
			4.44	0.75
2.9	2^+	2.0 MeV	5.0	0.7
			3.5	0.4
11.8	4^+	6.7 MeV	4.44	1.3

^a From (HE56B, RU56A, NI58). Double entries indicate alternative solutions.