Table 16.20 from (1993TI07): Structure in $^{14}\mathrm{N} + \mathrm{d}$ [a]

E_d (MeV)	Resonant channel	$\Gamma_\mathrm{c.m.}$ (keV)	$J^\pi; T$	E_x (MeV)
1.4	n_0, α_0	300 [e]	0^+ [e]	22.0
1.7 ± 0.1	γ_0, p_0, p_1, α_0, α_1, α_2, α_3	400 [e]	1^- [e]	22.2
1.85	n_0, α_0	175	2^+ [e]	22.35
2.0 ± 0.1	p_0, p_1, α_0, α_3	350 [e]	3^- [e]	22.5
2.272 ± 0.005 [b]	p_0, p_{1+2}, (p_3), p_4, p_5, α_0, α_2			22.722
2.40 ± 0.05 [c]	γ_0 [d], p_0, p_1	500 [e]	$1^-; 1$	22.83
2.5	α_0			22.9
2.6	(n_0), α_0, α_1	200 [e]	4^+ [e]	23.0
2.8	(n_0), p_0, p_1, d_0	350 [e]	2^+ [e]	23.2
3.24	p_0, p_{1+2}, p_4, p_5, p_6, d_0, α_3			23.57
4.2	γ_0, (p_0), d_0, $\gamma_{15.1}$			24.4
4.58	(p_0), d_0, $\gamma_{15.1}$			24.74
4.9	n_0, p_0			25.0
5.95	d_1, $\gamma_{15.1}$			25.9
7.1	$\gamma_{15.1}$			26.9
7.4	d_2			27.2
7.7	d_1			27.5
(8.5)	$(\gamma_{15.1})$			(28.2)
10.2	d_2			29.7

[a] For earlier references see Table 16.14 in (1977AJ02) and 16.16 in (1982AJ01, 1986AJ04).

[b] $(\Gamma_{\mathrm{d}_0}\Gamma_\mathrm{i}/\Gamma^2) \times 10^{-3}$ are greater than 1.6 ± 0.4, 0.27 ± 0.13, 0.41 ± 0.15 and 0.07 ± 0.05 for the α_2, p_0, p_{1+2}, and p_3 groups.

[c] If this resonance is fitted with a single-level Breit-Wigner shape, penetrability effects could lower the resonance energy by as much as 50 keV, assuming $l = 1$.

[d] The angular distribution of γ_0 is consistent with E1.

[e] See references in (1986AJ04).