

$^{15}\text{N}(\text{d},\alpha)$ **1966Ti03**

Type	Author	Citation	History	Literature Cutoff Date
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1959Fi30: $^{15}\text{N}(\text{d},\alpha)$, E=21 MeV; The angular distributions of charged particles have been measured.

1966Ti03: $^{15}\text{N}(\text{d},\alpha)$, E=0.81-1.8 MeV. ^{17}O deduced nuclear properties.

1965Ma59: $^{15}\text{N}(\text{d},\alpha)$, E=1.2-2.5 MeV; measured products.

1976Ca28: $^{15}\text{N}(\text{d},\alpha)$, E<3 MeV; measured $\sigma(\text{E},\text{E}_\alpha,\theta)$. ^{17}O deduced resonance, Γ .

1986Sa41: $^{15}\text{N}(\text{d},\alpha)$, E=804 keV-1.2 MeV; measured products.

1996Vi12: $^{15}\text{N}(\text{d},\alpha)$, E=0.4-2 MeV; measured $\sigma(\text{E},\theta)$. Comparisons with earlier results.

 ^{17}O Levels

E(level)	J^π	Γ	E_{res} (keV)	Comments
14981	$5/2^+$	≈ 100 keV	1060	E(level), Γ : from $E_d=1060$ keV (1966Ti03). J^π : from (1966Ti03).
15149	$(5/2^-, 7/2^-)$	≈ 200 keV	1250	E(level): from $E_d=1250$ keV (1966Ti03). J^π : from (1966Ti03).
≈ 15500			≈ 1700	E(level): from $E_d \approx 1700$ keV, which is a likely multiplet corresponding to states around $E_d=1.6$ -1.8 MeV. (1965Ma59).
≈ 15800		≈ 300 keV		E(level), Γ : from (1976Ca28).