^{18}O(γ,n) 1976Ba41

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	C. G. Sheu, J. H. Kelley, J. Purcell	ENSDF	5-Aug-2021

1976Ba41: ^{18}O(γ,n), E=23.5, 28 MeV bremsstrahlung; measured prompt γ spectrum. ^{18}O GDR deduced decay to levels in ^{17}N, ^{17,16}O, ^{14}C.
See also (1963Fu06,1980Py01).

^{17}O Levels

E(level)†	Jπ†	Comments
0	5/2+	
870	1/2+	Bremsstrahlung weighted integrated cross section σ=6.01 MeV·b at Bremsstrahlung endpoint energy $E_{brem.}$=23.5 MeV; σ=6.71 MeV·b at $E_{brem.}$=28 MeV.
3055	1/2−	σ=5.18 MeV·b at $E_{brem.}$=23.5 MeV; σ=8.69 MeV·b at $E_{brem.}$=28 MeV.
3841	5/2−	σ=0.77 MeV·b at $E_{brem.}$=23.5 MeV; σ=1.17 MeV·b at $E_{brem.}$=28 MeV. These values contain admixtures from the decay of the ^{13}C*(3.854 MeV) state.

† From (1976Ba41).