$^{13}C(^{13}C,^{9}Be)$ 1979Br04

History

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

1979Br04: Beams of E(^{13}C)=105 MeV impinged on a self-supporting, 200 μg/cm^2 thick silica solid target (SiO) at the Variable Energy Cyclotron/Atomic Energy Research Establishment, Harwell. The reaction products were detected by a standard counter telescope and were identified by the time-of-flight, ΔE-E technique. ^{17}O levels were deduced and compared with those measured in (1970Be31,1970Go29).

^{17}O Levels

E(level)†	Comments
3850	
5220	
5.8×10^3‡ *1*	E(level): a doublet.
7200	
7600	
8.40×10^3‡ *6*	
8900	
9.80×10^3‡ *7*	
10.55×10^3‡ *6*	
12.10×10^3‡ *6*	
13.3×10^3‡	E(level): Associated with E_x=13.58 MeV in Adopted Levels.
14600	
18.90×10^3‡ *14*	

† Observed in (1979Br04). See nominal level energy values listed in (1970Be31,1970Go29) except where noted.
‡ From (1979Br04).