

$^{60}\text{Ni}(^{14}\text{C}, ^{13}\text{C}), (^{13}\text{C}, ^{12}\text{C})$ **1985Vi01**

Type	History		Literature Cutoff Date
	Author	Citation	
Full Evaluation	Balraj Singh	ENSDF	20-Jan-2020

No changes made since the 2015 update.

1985Vi01: ($^{14}\text{C}, ^{13}\text{C}$), E=64 MeV. Measured $\sigma(E(^{13}\text{C}), \theta)$, Q3D spectrometer with 50-cm long gridded ionization counter, FWHM=250-keV. DWBA analysis. Deduced spectroscopic factors.

1983Os08: ($^{13}\text{C}, ^{12}\text{C}$), E=60.83 MeV, analyzed data for 284 level using DWBA (**1976Mo02**).

1976Mo02: analyzed data of Bond et al. Bulletin of APS 19, 502 (1974).

 ^{61}Ni Levels

E(level)	L [†]	Comments
0	2+1	E(level): unresolved group: 0+67.
67		
283	1+0	J^π : =1/2 ⁻ from DWBA analysis (1976Mo02), L=0 (1983Os08).
656		
1100		E(level): unresolved group: 909+1015+1100+1132+1186.
1720		E(level): unresolved group: 1459+1610+1730+1808+1991.
2140		E(level): unresolved group: 2009+2019+2114+2123+2410.
2730		E(level): unresolved group: 2594+2640+2699+2765+2795+2863.

[†] From DWBA analysis of $\sigma(\theta)$.