
 $^{60}\text{Ni}(^{12}\text{C},^{10}\text{C}),(^{14}\text{C},^{12}\text{C})$ [1990Bo27,1985Vi01](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Alan L. Nichols, Balraj Singh, Jagdish K. Tuli		NDS 113, 973 (2012)	15-Apr-2012

Includes $^{60}\text{Ni}(^{18}\text{O},^{16}\text{O})$.

[1990Bo27](#): ($^{12}\text{C},^{10}\text{C}$) E=112 MeV, $\theta(\text{lab})$: 4° to 10° , DWBA analysis.

[1985Vi01](#): ($^{14}\text{C},^{12}\text{C}$) E=64 MeV, FWHM $\approx$ 250 keV, $\sigma(E(^{12}\text{C}),\theta)$, DWBA, g.s. and 1178 levels.

[1975Ba33](#): $^{60}\text{Ni}(^{18}\text{O},^{16}\text{O})$ E=65 MeV, $\sigma(\theta)$ for g.s..

 ^{62}Ni Levels

E(level)	J^π [†]	L	S	Comments
0		0	0.609	L: from 1985Vi01 . S: from 1983Os07 , DWBA analysis of data from 1975Ba33 .
1178		2		E(level),L: from 1985Vi01 .
4200	4^+			
4660	7^-			
5320				
5660	5^-			
6030	7^-			
7190	8^+			
7590	6^+			

[†] From the (α , ^2He) reaction for levels above 1178.