^{60}Ni(n,n′) 1979Sm10

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli	NDS 114, 1849 (2013)	31-Dec-2012

E(n)=0.5-5.0 MeV. Measured $\sigma(\theta)$, $\theta\approx20^\circ$ to 160°. Enriched target (99.6%), proton recoil scintillators. Model calculations (1979Sm10).

E(n)=8, 10, 12, 14 MeV. Measured $\sigma(\theta)$ to the g.s. and the first excited state. Measured Ay for 10 MeV (1985Gu09). See also 1982Gu02 and 1988Pe20 from the same group.

Others: 1980Ko05, 1981Ko35.

For theoretical analysis of the 14 MeV (n,n) $\sigma(\theta)$, see 1987Va01.

^{60}Ni Levels

E(level)
0
1342 *13*
2168 *10*
2304 *26*
2509 *22*
2636 *19*
3164 *41*