
 $^{154}\text{Sm}(^{12}\text{C}, ^{14}\text{C})$ [1976Ha46](#)

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	M. J. Martin	NDS 114, 1497 (2013)	31-Aug-2013

E=65 MeV.

Measured $\sigma(E, \theta)$; deduced $\sigma(\theta)$ dependence on quadrupole transfer strength.

Calculations: $\sigma(\theta)$ to 0^+ , 2^+ levels: [1986Da19](#); spectroscopic factors for two nucleon transfer reactions: [1994Os08](#), [1991Mi22](#).

 ^{152}Sm Levels

<u>E(level)</u>	<u>Jπ[†]</u>
0.0	0^+
122	2^+

[†] From Adopted Levels.