^{149}Sm(d,p) 1964Ke03

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	S. K. Basu, A. A. Sonzogni	NDS 114, 435 (2013)	1-Apr-2013

Products from the ^{149}Sm(d,p) reaction at 12-MeV beam energy were analyzed in a magnetic analyzer of the Browne-Buechner type. The average energy resolution along the focal curve is 0.1%. The ^{12}C(d,p), ^{13}C(d,p) and ^{16}O(d,p) reactions were used for energy calibration. See also comments under the reaction ^{150}Sm(p,p′).

^{150}Sm Levels

E(level)	E(level)	E(level)	E(level)
0	2069 *9*	2865 *11*	3488 *11*
335 *6*	2118 *9*	2907 *11*	3528 *11*
743 *6*	2149 *9*	2934 *11*	3556 *11*
777 *6*	2205 *9*	3005 *11*	3586 *11*
1048 *6*	2250 *9*	3046 *11*	3648 *11*
1074 *6*	2276 *9*	3088 *11*	3676 *11*
1369? *9*	2290 *9*	3104 *11*	3688 *11*
1425 *9*	2334? *9*	3135 *11*	3740 *11*
1460 *9*	2372 *9*	3181 *11*	3780 *11*
1515 *9*	2400 *9*	3213 *11*	3832 *11*
1652 *9*	2468 *9*	3248 *11*	3867 *11*
1686 *9*	2524 *11*	3274 *11*	3896 *11*
1697? *9*	2575 *11*	3325 *11*	3925 *11*
1760? *9*	2624 *11*	3347 *11*	3948 *11*
1790 *9*	2655 *11*	3366 *11*	3976 *11*
1826 *9*	2719 *11*	3404 *11*	3998 *11*
1974 *9*	2747 *11*	3431 *11*	
2026 *9*	2821 *11*	3465 *11*	