^{210}Pb(t,d) 1976El07

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	A. Sonzogni, G. Mukherjee, H. Huang, A. Tarazaga,	NDS 114, 661 (2013)	28-Feb-2013

E=20.0 MeV; measured σ(E(d),θ).

^{211}Pb Levels

E(level)	L[†]	S[‡]	Comments
0.0	4	0.64	S: if configuration $2g_{9/2}$.
639 *10*	6	0.81	S: if configuration $1i_{11/2}$.
1303 *10*	7	0.47	S: if configuration $1j_{15/2}$.
1377 *10*			
1412 *10*	2	0.76	S: if configuration $3d_{5/2}$.
1681 *10*	(4)	0.03	S: if configuration $2g_{9/2}$.
1722 *10*	0	0.31	S: configuration $4s_{1/2}$.
1899 *10*	2	0.18	S: if configuration $3d_{3/2}$.
2043 *10*	0	0.26	S: configuration $4s_{1/2}$.
2160 *10*			
2280 *10*	2+4	0.32+0.17	S: if configuration $3d_{3/2}$ + $2g_{7/2}$.
2343 *10*			
2380 *10*	4	0.69	S: if configuration $2g_{7/2}$.
2419 *10*			
2512 *10*	2	0.32	S: if configuration $3d_{3/2}$.
2561 *10*	(4)	0.09	S: if configuration $2g_{7/2}$.
2629 *10*	(2)	0.13	S: if configuration $3d_{3/2}$.
2655 *10*			
2717 *10*			

[†] From DWBA analysis. Angular distributions are essentially structureless. Authors′ assignments are based on the different slopes at laboratory angles greater than and less than about θ=35°−40° and a comparison with $\sigma(\theta)$ for ^{208}Pb(t,d) for states in ^{209}Pb with known single-particle structure.

[‡] Calculated from local zero-range DWBA with normalization factor N=5.06.