^{9}Be(^{9}Be,^{8}Be) 2003As04

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu and J. L. Godwin, et al.	NP A745 155 (2004)	31-Mar-2004

1985Ja09: ^{9}Be(^{9}Be,^{8}Be) E(C.M.)=10 MeV, measured particle spectra, $\sigma(\theta)$. Deduced optical potential parameters, fusion σ. ^{10}Be level deduced spectroscopic factor. Statistical model, DWBA analyses.
2003As04: ^{9}Be(^{9}Be,2α) E=48 MeV, measured particle spectra, $\alpha\alpha$-coin. ^{10}Be deduced levels, J, π, rotational bands.

^{10}Be Levels

Projectile: energy: 48 MeV.

E(level)	J^{π}	Comments
0.00 *6*	0^{+}	E(level): from (2003As04).
3.31×10^{3} *6*	2^{+}	E(level): from (2003As04).
5.91×10^{3} *6*	$2^{+},1^{-}$	E(level): from (2003As04).
7.31×10^{3} *7*	3^{-}	E(level): from (2003As04).
9.20×10^{3} *6*	4^{-}[†]	E(level): from (2003As04).
9.58×10^{3} *6*		E(level): from (2003As04).
11.79×10^{3} *6*		E(level): from (2003As04).
13.78×10^{3} *6*		E(level): from (2003As04).
15.25×10^{3}? *6*		E(level): from (2003As04).

[†] Private communication to W.N. Catford.