^{25}Mg(^{11}B,^{10}Be) 2006De32

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	M. S. Basunia and A. M. Hurst	NDS 134,1 (2016)	1-Feb-2016

97% enriched ^{25}MgO target (thickness 20 μg/cm^2) on carbon backing (thickness≈15 μg/cm^2); Projectile: ^{11}B beam, E=35 MeV; Three ΔE-E telescope formed by gas proportional counters as the ΔE and silicon surface barrier detector as E; FWHM 200 keV; Measured beryllium spectra, angular distribution; DWBA calculations; deduced spectroscopic factors.

^{26}Al Levels

E(level)†	Jπ†	$T_{1/2}$†	L	Comments
0.0	5^+	7.17×10^5 y *24*		$C^2\hat{S}$=0.203. S: Other value: 0.302 (PSP).
228.305 *13*	0^+	6.3460 s *8*		$C^2\hat{S}$=0.593. S: Other value: 0.835 (PSP).
416.852 *3*	3^+		0	$C^2\hat{S}$=0.108. S: Other values: 0.072 (POT2) and 0.072 (PSP) for L=2; 0.208 (PSP) for L=0.
1057.739 *12*	1^+			$C^2\hat{S}$=0.655. S: Other value: 0.970 (PSP).
1759.034 *8*	2^+		2	$C^2\hat{S}$=0.336. S: Other value: 0.524 (PSP).

† From Adopted Levels.