

$^{26}\text{Mg}(^7\text{Li},^7\text{Be})$ [1972Ba35](#),[1985Do14](#)

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

[1972Ba35](#): $E(^7\text{Li})=36$ MeV from Chalk River MP tandem accelerator incident upon $\approx 100\text{-}\mu\text{g}/\text{cm}^2$ thick ^{26}Mg target. Reaction products detected in two solid-state ΔE -E detectors positioned at forward ($\theta < 20^\circ$) angles. ΔE counters of thicknesses $11\ \mu\text{m}$ and $33\ \mu\text{m}$ were used together with $100\ \mu\text{m}$ E and a $2000\ \mu\text{m}$ anti-coincidence counter. Measured excited states in ^{26}Na from particle-energy spectra.

[1985Do14](#): $E(^7\text{Li})=88$ MeV measured at the Harwell Variable Energy Cyclotron using silicon ΔE -E telescopes. Measured differential cross sections compared to one-step DWBA angular distribution predictions using microscopic form factors.

 ^{26}Na Levels

E(level) [†]	J π [#]	Comments
0	3 ⁺	
210 ⁴⁰		
430 [‡] ⁷⁰	3 ⁺	ΔE : An energy resolution of about 70 keV is quoted in 1985Do14 .
840 ⁴⁰		
2210 ⁴⁰		
4910 ⁴⁰		

[†] From particle-energy spectra measured in [1972Ba35](#).

[‡] From particle-energy spectra measured in [1985Do14](#).

[#] From angular distributions and DWBA analysis in [1985Do14](#).