^{184}W(^{3}He,α) 1973Kl07

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 134, 149 (2016)	15-Apr-2015

$J^{\pi}(^{184}W)=0^{+}$.

1973Kl07: E(^{3}He)=20.3 MeV; 94% enriched ^{184}W target; magnetic spectrograph with nuclear emulsions (FWHM≈30 keV); measured Eα, dσ/dΩ At θ(lab)=60°, the angle At which DWBA calculations predict maximum L=6 transfer cross sections.

^{183}W Levels

E(level)[†]	L[‡]	Comments
487 *4*	6	dσ/dΩ(60°)=15 μb/sr.
960 *7*	6	dσ/dΩ(60°)=21 μb/sr.
1550 *7*	6	dσ/dΩ(60°)=15 μb/sr.
1562? *7*		
1711 *7*	6	dσ/dΩ(60°)=12 μb/sr.

[†] From authors' (d,p) measurements reported by 1972Ca01. Uncertainties are 4 keV for lowest-energy levels, 7 keV for all others.
[‡] Based on measured ratio of (^{3}He,α) to (d,t) cross sections.