^{10}Be(p,p′),(d,d) 2000Iw02

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

1970Au02: ^{10}Be(p,p′), (d,d) E_d=12.0, 15.0 MeV, E_P=12.0-16.0 MeV, measured $\sigma(E_P,\theta)$, $\sigma(E_{P'},\theta)$, $\sigma(E_d,\theta)$, $\sigma(E_t,\theta)$. ^{10}Be deduced levels J, π, L, S, B(E2), deformation parameters.

2000Iw02: ^{1}H(^{10}Be,^{10}Be′) E=59.2 MeV/nucleon, measured E_γ, I_γ following projectile excitation, angle-integrated σ. ^{10}Be deduced deformation, shell effects.

^{10}Be Levels

Projectile: energy: 59.2 MeV/nucleon.

E(level)	J^π	Comments
0	0^+	E(level): from (2000Iw02).
3.77×10^3	2^+	E(level): from (2000Iw02).
5.96×10^3	$2^+,1^-$	E(level): from (2000Iw02).