

²⁰³Tl(d,p) 1964Mu07				
Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	C. J. Chiara and F. G. Kondev		NDS 111,141 (2010)	1-Oct-2009

J^π(target): 1/2⁺.
1964Mu07: ²⁰³Tl target enriched to 92.6%; E(d)=15 MeV; FWHM=60 keV. No additional experimental details given in 1964Mu07; from a similar experiment by the same authors [²⁰⁵Tl(d,p)]: magnetic spectrometer with emulsion plates at focal plane (1965Mu04).

²⁰⁴Tl Levels			
E(level)	J ^π [†]	L	Comments
0	2 ⁻ ,3 ⁻ ,4 ⁻	3	Proposed configuration: $\pi[(s_{1/2})^{-1}]\nu[(p_{1/2})^{-2}(f_{5/2})^{-1}]$.
140	0 ⁻ ,1 ⁻ ,2 ⁻	1	
310	0 ⁻ ,1 ⁻ ,2 ⁻	1	
470	0 ⁻ ,1 ⁻ ,2 ⁻	1	
610			
750			

[†] Assigned by evaluators based on L values measured in 1964Mu07.