

$^{210}\text{Pb}(t,t')$ E=20 MeV 1971E103

Type	Author	History	Citation	Literature Cutoff Date
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Enriched ^{210}Pb target (thickness $240 \mu\text{g}/\text{cm}^2$ deposited on a $50 \mu\text{g}/\text{cm}^2$) was bombarded by triton beam, E=20 MeV, and scattered tritons were analysed by magnetic spectrometer and recorded on photographic plates. Deduced L values and excited level energies of ^{210}Pb .

 ^{210}Pb Levels

ΔE : Uncertainty=15 keV.

E(level)	L [‡]	Comments
0		
795	(2)	B(E2)(0^+ to 2^+)=0.051 15 (1971E103) relative to B(E2)(^{206}Pb , 0^+ to 2^+)=0.103 (1978Jo04).
1086?		
1872 [#]	(3)	B(E3)(0^+ to 3^-)=0.47 11 (1971E103) relative to B(E3)(^{208}Pb , 0^+ to 3^-)=0.72 4 (1968Zi02).
2839 [#]	(3)	B(E3)(0^+ to 3^-)=0.25 7 (1971E103) relative to B(E3)(^{208}Pb , 0^+ to 3^-)=0.72 4 (1968Zi02).
3085?		
3209?		
4093?		

[†] Uncertainty=15 keV.

[‡] Deduced from angular distributions at 4 angles ($\theta=48-66$) compared with L=2 via $^{206}\text{Pb}(t,t')$ and L=3 via $^{208}\text{Pb}(t,t')$.

[#] $\sigma(3^-, ^{210}\text{Pb}, 1872+2839 \text{ keV}) \approx \sigma(3^-, ^{208}\text{Pb}, 2614 \text{ keV})$.