^{82}Zr ε decay 1982Li17

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	J. K. Tuli, E. Browne	NDS 157, 260 (2019)	1-Mar-2019

Parent: ^{82}Zr: E=0.0; $J^\pi=0^+$; $T_{1/2}$=32 s *5*; Q(ε)=4433 *13*; %ε+%β^+ decay=100.0

^{82}Zr-Q(ε): From 2017Wa10.

1982De36: products from ^{54}Fe(^{32}S,X). β recoil time-of-flight mass separator. Measured Eβ, $T_{1/2}$.

1982Li17: mass separated products from Sr(^{3}He,X). Ge(Li), Si(Li). Measured Eγ, E(x), $T_{1/2}$.

1981Li12: from ^{60}Ni(^{24}Mg,pn), E= 75 MeV to 105 MeV. Ge(Li), Si(Li). Measured Eγ, Iγ, $\beta\gamma$, $\gamma\gamma$.

^{82}Y Levels

E(level)	J^π	$T_{1/2}$
0	1^+	8.30 s *20*

$\gamma(^{82}Y)$

E_γ [†]	E_i(level)
[x]129	
[x]144	
[x]248	
[x]278	
[x]397	
[x]525	

[†] From 1982Li17.

[x] γ ray not placed in level scheme.