

$^{82}\text{Nb}$   $\epsilon$  decay [2001Ga24](#)

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

Parent:  $^{82}\text{Nb}$ :  $E=0.0$ ;  $J^\pi=(0^+)$ ;  $T_{1/2}=50$  ms 5;  $Q(\epsilon)=11541$  SY;  $\% \epsilon + \% \beta^+$  decay=100.0

$^{82}\text{Nb}$ - $Q(\epsilon)$ : From [2017Wa10](#).

Ionized  $^{92}\text{Mo}$  on Ni,  $E=60$  MeV/nucleon. Measured fragments, separated and identified by energy loss, kinetic energy and tof, As function of time.

Preliminary results: [1998Lo17](#).

 $^{82}\text{Zr}$  Levels

E(level)	$J^\pi$
0.0	$0^+$

 $\epsilon, \beta^+$  radiations

E(decay)	E(level)	$I\beta^+$ †	$I\epsilon$ †	Log $ft$	$I(\epsilon + \beta^+)$ †	Comments
(11541 SY)	0.0	99.800 18	0.200 18	3.59 8	100	av $E\beta=5.02 \times 10^3$ 15; $\epsilon K=0.00175$ 16; $\epsilon L=0.000207$ 19; $\epsilon M+=4.6 \times 10^{-5}$ 5

† Absolute intensity per 100 decays.