^{81}Zr εp decay (5.5 s) 1999Hu05,1980HaZG

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh	NDS 105, 223 (2005)	22-Jun-2005

Parent: ^{81}Zr: E=0.0; J^π=(3/2$^-$); $T_{1/2}$=5.5 s *4*; Q(εp)=4.53×10^3 *17*; %εp decay=0.12 *2*

^{81}Zr-$T_{1/2}$: weighted average of 5.3 s *5* (1997Hu15) and 5.9 s *6* (1977FaZW).

^{81}Zr-%εp decay: %εp=0.12 *2* (1999Hu05), based on comparison of measured $T_{1/2}$ with partial proton $T_{1/2}$ calculated using statistical model, assuming 24% *8* of delayed protons (1977FaZW,1980HaZG; p-386γ coin) feed the 385, 2$^+$ in ^{80}Sr.

1999Hu05: Measured $T_{1/2}$ and %εp.

1980HaZG (also 1984Ha58,1977FaZW): ^{81}Zr produced by ^{52}Cr(^{32}S,3n) reaction at 110 MeV.

2002XuZZ: Measured delayed proton spectra, pγ coin.

From pγ coin 1980HaZG concluded that 24% *8* of all protons populate 385 level in ^{80}Sr. Proton decay is also observed to the g.s. of ^{80}Sr.

Additional information 1.

^{80}Sr Levels

E(level)	J^π[†]
0.0	0$^+$
385	(2$^+$)

[†] From 'Adopted Levels'.