

$^{171}\text{Au}$   $\alpha$  decay (1.02 ms) 1999Po09,1997Da07

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	A. A. Sonzogni	NDS 95, 1 (2002)	1-Aug-2001

Parent:  $^{171}\text{Au}$ : E=250 16;  $J^\pi=11/2^-$ ;  $T_{1/2}=1.02$  ms 10;  $Q(\alpha)=7089$  28; % $\alpha$  decay=54 4  
 1999Po09, 1997Da07:  $^{171}\text{Au}$  source produced in  $^{96}\text{Ru}(^{78}\text{Kr},p2n)$  at E=375-384 MeV.

 $^{167}\text{Ir}$  Levels

All data from Adopted Levels.

<u>E(level)</u>	<u><math>J^\pi</math></u>	<u><math>T_{1/2}</math></u>
175.3 22	11/2 <sup>-</sup>	30.0 ms 6

 $\alpha$  radiations

<u><math>E_\alpha</math></u>	<u>E(level)</u>	<u><math>I_\alpha^\dagger</math></u>
6996 6	175.3	100

<sup>†</sup> For absolute intensity per 100 decays, multiply by 0.54 4.