

Adopted Levels

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	S. Ohya	NDS 111,1619 (2010)	20-Jan-2009

$Q(\beta^-)=6671$  13;  $S(n)=6823$  13;  $S(p)=11412$  13;  $Q(\alpha)=-7930$  15 [2012Wa38](#)

Note: Current evaluation has used the following Q record 6670 856814 6 11530 100-7868 syst [2009AuZZ](#).

$\Delta Q(\alpha)=503$  (syst,[2009AuZZ](#)).

$Q(\beta^-n)=1494$  6.

 $^{121}\text{Ag}$  Levels

E(level)	$J^\pi$	$T_{1/2}$	Comments
0.0	( $7/2^+$ )	0.78 s 2	<p><math>\% \beta^- = 100</math>; <math>\% \beta^-n = 0.080</math> 13 (<a href="#">1983Re05</a>)</p> <p><math>\% \beta^-n</math>: The <math>\% \beta^-n</math> is an average, given by the authors, of 0.093 2 deduced using their value of <math>T_{1/2} = 0.91</math> s 6 from delayed-n counting, and 0.067 2 deduced using their value of <math>T_{1/2} = 0.78</math> s 1 from <math>\beta</math>-ray counting. The authors' uncertainty was chosen to overlap the two values.</p> <p><math>T_{1/2}</math>: weighted average of 0.78 s 1 (<math>\beta</math>-ray counting: <a href="#">1983Re05</a>), 0.72 s 10 (<math>\beta</math>-ray counting: <a href="#">1982Fo10</a>), 0.91 s 6 (delayed n-counting: <a href="#">1983Re05</a>), 1.04 s 8 (<math>\beta</math>-ray counting: <a href="#">1995Fe12</a>), 0.8 s 1 (<math>\gamma</math>-ray counting: <a href="#">1974Gr29</a>), 0.661 s +75-72 (delayed n-counting: <a href="#">2006Mo07</a>).</p> <p><math>J^\pi</math>: from systematics, <math>J^\pi</math> is expected to be <math>1/2^-</math> or <math>7/2^+</math>. <math>\beta</math> feeding of the 508, 879, and 1341 levels, which have <math>J^\pi = (7/2^-)</math> or higher, ruled out the <math>1/2^-</math> alternative.</p>