

$^{203}\text{Ra}$   $\alpha$  decay (31 ms) [2005Uu02](#), [1996Le09](#)

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh	NDS 108, 79 (2007)	15-Oct-2006

Parent:  $^{203}\text{Ra}$ : E=0;  $J^\pi=(3/2^-)$ ;  $T_{1/2}=31$  ms +17-9;  $Q(\alpha)=7730$  50; % $\alpha$  decay $\approx$ 100.0

$^{203}\text{Ra}$ - $T_{1/2}$ : From [2005Uu02](#). Other: 1.0 ms +50-5 ([1996Le09](#)).

Source produced by  $^{175}\text{Lu}(^{35}\text{Cl},7n)$ . Measured position-correlated  $\alpha$  decay chain (1 event).

 $^{199}\text{Rn}$  Levels

E(level)	$J^\pi$	Comments
0	(3/2 <sup>-</sup> )	$J^\pi$ : from 'Adopted Levels'.

 $\alpha$  radiations

$E_\alpha$	E(level)	$I_\alpha^\dagger$	Comments
7589 8	0	100	$E_\alpha$ : from <a href="#">2005Uu02</a> . The 7589 $\alpha$ correlated with 6989 $\alpha$ from $\alpha$ decay of $^{199}\text{Rn}$ g.s. and 6617 $\alpha$ from $\alpha$ decay of $^{195}\text{Po}$ g.s. ( <a href="#">2005Uu02</a> ). Other: $E_\alpha=7577$ 20 ( <a href="#">1996Le09</a> ).

$^\dagger$  For absolute intensity per 100 decays, multiply by  $\approx$ 1.