

$^{167}\text{Ir}$   $\alpha$  decay (30.0 ms) 2005Sc22,2001Da31,1997Da07

Type	History		Literature Cutoff Date
	Author	Citation	
Full Evaluation	Balraj Singh	ENSDF	10-Jun-2015

Parent:  $^{167}\text{Ir}$ :  $E=0.0$ ;  $J^\pi=1/2^+$ ;  $T_{1/2}=30.0$  ms 11;  $Q(\alpha)=6504.8$  26;  $\% \alpha$  decay=43 2

$^{167}\text{Ir}$ - $Q(\alpha)$ : From 2012Wa38.

$^{167}\text{Ir}$ - $J^\pi$ : From  $l=0$  p decay to the  $^{166}\text{Os}$  g.s. ( $J^\pi=0^+$ ) (2001Da31).

$^{167}\text{Ir}$ - $T_{1/2}$ : Weighted average of 30.9 ms 13 ( $\alpha$  decay,2005Sc22), 29.3 ms 6 (p decay,2005Sc22) and 35.2 ms 20 (1997Da07).

$^{167}\text{Ir}$ - $\% \alpha$  decay: Weighted average of  $\% \alpha=43$  2 (2005Sc22) and  $\% \alpha=48$  6 (1997Da07).  $\% p=39.0$  15 from weighted average of 39.3 13 (2005Sc22) and 32 6 (1997Da07). Implied  $\% \epsilon + \% \beta^+ = 18$  3.

 $^{163}\text{Re}$  Levels

E(level)	$J^\pi$	Comments
0.0	$1/2^+$	$J^\pi$ : fed by the favored $\alpha$ decay of $^{167}\text{Ir}$ ( $J^\pi=1/2^+$ ) (2001Da31).

 $\alpha$  radiations

$E\alpha$	E(level)	Comments
6349 2	0.0	$E\alpha$ : weighted average of 6348 3 (2005Sc22) and 6351 4 (2001Da31). 1997Da07 (same group as 2001Da31) report $E\alpha=6351$ 5.