

Adopted Levels

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

$Q(\beta^-)=3.92\times 10^3$ syst; $S(n)=4.7\times 10^3$ syst; $S(p)=1.06\times 10^4$ syst [2012Wa38](#)

Note: Current evaluation has used the following Q record \$ 3666 calc 5020 calc 10620 calc -2240 calc [1997Mo25](#).

[2007KuZW](#),[2005KuZU](#): ^{199}Os was produced by the in-flight fragmentation of relativistic heavy projectiles. The beam was ^{208}Pb at 1 GeV/A impinging on a ^9Be target. Fragment Recoil Separator (FRS) was used to identify ^{199}Os residues. The ^{199}Os nuclei were implanted into an array of four double-sided silicon strip detectors with a surface of 25 cm², 1 mm thickness each. The half-life was deduced from position-time correlations between the implanted fragments and the subsequent β decay. [2007KuZW](#) supersedes [2005KuZU](#).

 ^{199}Os Levels

<u>E(level)</u>	<u>T_{1/2}</u>	<u>Comments</u>
0	5 s +4-2	$\% \beta^- = 100$ J^π : $3/2^-$ from predictions in 1997Mo25 . $T_{1/2}$: From implant- β time differences (2007KuZW). $T_{1/2}=15.2$ s ± 32 in 2005KuZU . Other: >100 s value predicted in 1997Mo25 .