

Adopted Levels, Gammas

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	Coral M. Baglin	NDS 113,1871 (2012)	15-Jun-2012

$Q(\beta^-)=1.94\times 10^3$ syst; $S(n)=6.55\times 10^3$ syst; $S(p)=1.04\times 10^4$ syst; $Q(\alpha)=-1.2\times 10^3$ syst [2012Wa38](#)
 Note: Current evaluation has used the following Q record 2120 syst 6610 syst -1200 syst [2003Au03,2011AuZZ](#).
 $\Delta Q(\beta)=630$, $\Delta S(n)=630$, $\Delta S(p)=780$, $\Delta Q(\alpha)=780$ ([2003Au03,2011AuZZ](#)).
 Production: fragmentation of 950 MeV/nucleon ^{197}Au ([1999Be63](#)) or 1 GeV/nucleon ^{208}Pb ([2011St21](#)) beams incident on Be target.
 Interacting-boson-model calculation of collective structural evolution: [2011No15](#).
 Microscopic description of shape evolution: [2010Sa40](#). Calculated Q, deformation.

^{192}W Levels

Cross Reference (XREF) Flags

A ^{192}Ta β^- decay

<u>E(level)</u>	<u>J^{π}</u>	<u>XREF</u>	<u>Comments</u>
0.0	0 ⁺	A	$\% \beta^- = 100$ J ^{π} : g.s. of even-even nucleus.
219	[2 ⁺]	A	J ^{π} : energy fits systematic trend for first 2 ⁺ state energies in lighter even-A W isotopes (E=205 and 143, respectively, in ^{190}W and ^{188}W).

$\gamma(^{192}\text{W})$

<u>E_i(level)</u>	<u>J_i^{π}</u>	<u>E_{γ}[†]</u>	<u>I_{γ}[†]</u>	<u>E_f</u>	<u>J_f^{π}</u>	<u>Mult.</u>	<u>α^{\ddagger}</u>	<u>Comments</u>
219	[2 ⁺]	219	100	0.0	0 ⁺	[E2]	0.228	Mult.: assuming this is the yrast 2 ⁺ level to 0 ⁺ g.s. transition.

† From ^{192}Ta β^- decay.

‡ Total theoretical internal conversion coefficients, calculated using the BrIcc code ([2008Ki07](#)) with Frozen orbital approximation based on γ -ray energies, assigned multiplicities, and mixing ratios, unless otherwise specified.

Adopted Levels, Gammas**Level Scheme**

Intensities: Relative photon branching from each level

