^{158}Pm β^- decay   **1987Gr12**

| | | History | |
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	N. Nica	NDS 141, 1 (2017)	1-Feb-2017

Parent: ^{158}Pm: E=0.0; $T_{1/2}$=4.8 s 5; $Q(\beta^-)$=6161 14; %β^- decay=100.0

Source produced by ^{252}Cf spontaneous fission, followed by mass separation. Measured Sm K x-rays, $E\gamma$, $I\gamma$.

^{158}Sm Levels

E(level)†	J^π
0.0	0^+
72.7	(2^+)

† The assignment of the observed 72-keV γ to the decay of the 72-keV level was made by the evaluator.

$\gamma(^{158}$Sm)

$I\gamma$ normalization: Additional information 1.

E_γ	E_i(level)	J_i^π	E_f	J_f^π
72.7	72.7	(2^+)	0.0	0^+

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Decay Scheme

0.0   4.8 s 5

$Q_{\beta-}$=6161 14 %β^-=100

$^{158}_{61}$Pm$_{97}$

(2^+) 72.7   72.7

0^+ 0.0

$^{158}_{62}$Sm$_{96}$