^{76}Br ε decay (1.31 s)   1980Ha23

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh	NDS 74,63 (1995)	22-Dec-1994

Parent: ^{76}Br: E=102.0; J^π=(4$^+$); $T_{1/2}$=1.31 s 2; Q(ε)=4963 9; %ε+%β^+ decay<0.55
Decay branch uncertain. Estimated by 1980Ha23 as <0.55%.

^{76}Se Levels

E(level)	$J^{\pi\dagger}$
0.0?	0$^+$
559? 1	2$^+$
1331? 1	4$^+$

† From Adopted Levels.

ε,β^+ radiations

E(decay)	E(level)	$I\beta^{+\ \dagger}$	$I\varepsilon^\dagger$	Log ft	$I(\varepsilon+\beta^+)^\dagger$
(3734‡ 9)	1331?	<0.52	<0.03	>4.6	<0.55

† Absolute intensity per 100 decays.
‡ Existence of this branch is questionable.

$\gamma(^{76}$Se)

E_γ	$I_\gamma^\dagger$	E_i(level)	J_i^π	E_f	J_f^π
559‡	100	559?	2$^+$	0.0?	0$^+$
772‡	100	1331?	4$^+$	559?	2$^+$

† For absolute intensity per 100 decays, multiply by <0.0055.
‡ Placement of transition in the level scheme is uncertain.

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Decay Scheme

Intensities: I$_{(\gamma+ce)}$ per 100 parent decays

(4$^+$) ___102.0___ 1.31 s 2

$\%\varepsilon + \%\beta^+ <0.55$ Q$_\varepsilon$=4963 9

$^{76}_{35}$Br$_{41}$

Iβ^+	Iε	Log ft
<0.52	<0.03	>4.6

772 <0.55

4$^+$ _____1331___

559 <0.55

2$^+$ _____559___

0$^+$ ========================0.0___

$^{76}_{34}$Se$_{42}$

Legend

→ I$_\gamma <$ 2%$\times$I$_\gamma^{max}$
→ I$_\gamma <$ 10%$\times$I$_\gamma^{max}$
→ I$_\gamma >$ 10%$\times$I$_\gamma^{max}$
- - - → γ Decay (Uncertain)