

Adopted Levels

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Huang Xiaolong and Kang Mengxiao		NDS 133, 221 (2016)	1-Dec-2015

$Q(\beta^-) = -549 \times 10^1$ SY; $S(n) = 845 \times 10^1$ SY; $S(p) = 65 \times 10^1$ SY; $Q(\alpha) = 6889.8$ 21 2012Wa38
 Identification: ¹⁸⁵Re(²⁰Ne,xn) E=100-200 MeV (1967Tr06), excitation functions of 4.9-s 6747α and 1.5-s 6847α.

¹⁹⁸At Levels

Cross Reference (XREF) Flags

- A ²⁰²Fr α decay (0.372 s)
- B ²⁰²Fr α decay (0.286 s)
- C ¹⁶⁵Ho(⁴⁰Ar,⁷n)

E(level)	J ^π	T _{1/2}	XREF	Comments
0.0	(3 ⁺)	4.2 s 2	ABC	$\% \alpha = 90$ 10; $\% \varepsilon + \% \beta^+ = 10$ 10 J ^π : Populated by favored (HF≈2) α decay from ²⁰² Fr(J ^π =(3 ⁺)) (1992Hu04). T _{1/2} : Weighted average of 4.2 s 20 from α(t) measurement (2012Fo09), 3.8 s 4 from RITU measurement (2005Uu02), 4.2 s 3 from α(t) measurements (1992Hu04), 4.9 s 5 (1967Tr06) Others: 3.0 s 1 (2014Ka23), 4.6 s +18-10 (1996En01). $\% \alpha, \% \varepsilon + \% \beta^+$: From $\% \alpha > 80$, $\% \varepsilon + \% \beta^+ < 20$ (1992Hu04). Others: $\% \alpha \approx 90$ and $\% \varepsilon + \% \beta^+ \approx 10$ (systematics, 1980Sc26,1973Ta30). Eα=6749.0 34 (2012Fo09). Other: 6747 5 (2014Ka23).
102+x	(10 ⁻)	1.21 s 6	B	$\% \alpha = 84$ 16; $\% \varepsilon + \% \beta^+ = 16$ 16 E(level): Estimated from Eα=7237 8 (102+x) (1992Hu04). Other Eα=6847 5 (1967Tr06). J ^π : Populated by favored (HF≈1.8) α decay from ²⁰² Fr(J ^π =(10 ⁻)) (1992Hu04). Other: (10 ⁻) from systematics (1980Sc26). T _{1/2} : Weighted average of 1.24 s 6 from α(t) measurement (2014Ka23), 1.04 s 15 from RITU measurement (2005Uu02), 1.0 s 2 from α(t) measurements (1992Hu04), 1.5 s 3 (1967Tr06) Other: 1.3 s +8-3 (1996En01). $\% \alpha, \% \varepsilon + \% \beta^+$: From $\% \alpha > 67$ and $\% \varepsilon + \% \beta^+ < 33$ (1992Hu04). Other: $\% \alpha \approx 97$ and $\% \varepsilon + \% \beta^+ \approx 3$ (systematics, 1980Sc26,1973Ta30).