Adopted Levels

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Y. Akovali	NDS 94,131 (2001)	1-Aug-2001

Q(β^-)=−2.0×10^3 *syst*; S(n)=6.4×10^3 *syst*; S(p)=5.8×10^3 *syst*; Q(α)=7.3×10^3 *syst* 2012Wa38
Note: Current evaluation has used the following Q record −2020 SY6420 syst 7310 syst 1995Au04.

Assignment: daughter of ^{262}Lr (1989HuZU).
^{262}Lr was produced in ^{254}Es(127-MeV ^{22}Ne); the recoiled lawrencium nuclei were chemically separated; the SF activities correlated with the nobelium K x-rays were identified by 1989HuZU to Be from ^{262}No.

Theoretical studies:
For calculations of equilibrium deformations, see 1983Bo15.
For calculations of fission barrier, see 1983Cw01.

^{262}No Levels

E(level)	J$^\pi$	T$_{1/2}$	Comments
0.0	0$^+$	≈5 ms	%SF=100 Only SF decay was observed. T$_{1/2}$: 5-ms fission activity was assigned by 1989HuZU to T$_{1/2}$(^{262}No) from the time distribution between nobelium K x ray′s and subsequent fission. T$_{1/2}$(SF)≈5 ms is recommended by 2000Ho27 from measurements of R.W. Lougheed, et al, reported in Proc. 50 Years With Nuclear Fission Conf. Vol.II. 694 (1989). For calculated T$_{1/2}$(SF), see 1989Mo03, 1989St20 and 1992Bh03. For calculated T$_{1/2}$(α), see 1997Mo25 and 1997Po18. The partial half-lives calculated by different methods do not agree; however, the relative partial half-lives, T$_{1/2}$(SF)/T$_{1/2}$(α), predict the SF-decay branching of ^{262}No to Be nearly 100%.