

Adopted Levels

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Agda Artna-cohen	NDS 88,155 (1999)	31-Jul-1999

$Q(\beta^-) = -5.2 \times 10^3$ syst; $S(n) = 8.1 \times 10^3$ syst; $S(p) = 1.2 \times 10^3$ syst; $Q(\alpha) = 1.01 \times 10^4$ syst [2012Wa38](#)

Note: Current evaluation has used the following Q record $-5.2E3$ syst $7.9E3$ syst $1.1E3$ syst $10.1E3$ syst [1995Au04](#).

Estimated $\Delta Q(\beta^-) = 600$, $\Delta S(n) = 600$, $\Delta S(p) = 500$, $\Delta Q(\alpha) = 300$ ([1995Au04](#)).

Calculations, compilations:

g.s. properties: [1997Mo25](#), [1995Mo29](#).

Single-particle Nilsson levels: [1994Cw02](#).

[1994Cw02](#) calculate the following single-particle level sequence: g.s. $5/2[512]$, 0.44 MeV $9/2[624]$, 0.84 MeV $1/2[521]$, 0.97 MeV $9/2[505]$, 0.97 MeV $11/2[615]$.

 ^{263}Bh Levels

E(level)	Comments
(0.0)	^{263}Bh has not been observed. Calculated: $T_{1/2}(e+\beta^+) \approx 30$ s, $T_{1/2}(\alpha) \approx 1$ s (1997Mo25); $T_{1/2}(\alpha) \approx 1 \times 10^{-2}$ s (1990Ha26); $T_{1/2}(\text{SF}) \approx 1 \times 10^3$ s, $T_{1/2}(\alpha) \approx 1$ s (1988Lo03).