

Adopted Levels

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli		NDS 114, 1041 (2013)	1-Nov-2011

S(p)=754 SY; Q(α)=9580 SY [2012Wa38](#)
 Estimated $\Delta S(p)=509$, $\Delta Q(\alpha)=300$ ([2012Wa38](#)).
[Additional information 1.](#)

Calculations, compilation:

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

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

Q(α), T_{1/2}: [2011Sa40](#), [2008Do12](#), [2008Ro06](#), [2007Zh41](#), [2005Re16](#), [2004Pa40](#).

Spontaneous fission half-life: [2004Ro01](#), [2000Ho27](#).

[1994Cw02](#) have calculated the following single-particle level sequence: g.s. 9/2[624], 0.20 MeV 7/2[514], 0.26 MeV 5/2[512], 0.43 MeV 1/2[521].

 ^{255}Db Levels

E(level)	T _{1/2}	Comments
0	1.6 s +6-4	%SF \approx 20; % α \approx 80 J $^{\pi}$: suggested g.s. configuration=(π 9/2[615]) (1994Cw02). T _{1/2} : from 1983OgZW ; other: 1.5 s (1977FIZY). %SF,% α : branching from 1977FIZY , 2000Ho27 , SF observed. Additional information 2. Produced by $^{207}\text{Pb}(^{51}\text{V},3n)$ (1977FIZY); $^{209}\text{Bi}(^{48}\text{Ti},2n)$ (1983OgZW).