Adopted Levels

History Type	Author	Citation	Literature Cutoff Date
Full Evaluation	C. D. Nesaraja	NDS 198,449 (2024)	31-Jul-2022

S(n)=7280 *syst*; S(p)=1370 *syst*; Q(α)=8890 *40* 2021Wa16
ΔS(n)=370, ΔS(p)=330 (syst,2021Wa16).
S(2n)=15630 *460*, S(2p)=4490 *320*, Q(εp)=2510 *310* (syst,2021Wa16).

Theoretical structure calculations:
Q(α), $T_{1/2}(\alpha)$ and $T_{1/2}$ s.f.
2020Si27,2019Sr04,2017Su11.
Systematics of β- delayed fission:
2015Gh03.

^{246}Md Levels

Cross Reference (XREF) Flags

A ^{209}Bi(^{40}Ar,3n) (4.4 s)

E(level)	$T_{1/2}$	XREF	Comments
0+x	0.9 s *2*	A	%α=100; %SF=?; %ε+%β^+=? $T_{1/2}$: From weighted average of 1.3 s *4* and 0.8 s *2* (2010An08). Others: 0.75 s *18* and 1.3 s *4* (2006An13), 1.0 s *4* (1996Ni09,1994HoZW). Spontaneous fission (SF) was observed decaying with $T_{1/2}$=1.0 s *+10−3*. Part of this decay has been assigned to electron-capture delayed spontaneous fission (ε-SF) (2010An08).
0+y	4.4 s *8*	A	%ε+%β^+>77; %α<23 $T_{1/2}$: From 2010An08. Activity produced by ^{209}Bi(^{40}Ar,3n), E=198 MeV. Measured emitted alpha particles, γ rays of 252- and 279 keV (possibly E1 or E2) in coincidence with alpha particles; Eα=8178 keV *10* (%Iα<23) (2010An08). Possible electron-capture delayed spontaneous fission decay (%ε-SF>10) (2010An08). Other:1996Ni09.