

Adopted Levels

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Huang Xiaolong	NDS 108,1093 (2007)	1-Jan-2006

S(n)=1.115×10⁴ 6; S(p)=1842 17; Q(α)=7617 10 2012Wa38
Note: Current evaluation has used the following Q record 11166 531842 187617 9 2003Au03.

¹⁹⁶Rn Levels

E(level)	J ^π	T _{1/2}	Comments
0	0 ⁺	4.4 ms +13−9	%α=99.9 2; %ε+%β⁺≈0.06 +14−4 J^π: From ground state of even-even nuclide. E(level): Decay energy Eα=7492 30 (1997Pu01), Eα=7461 9 (2001Ke06). T_{1/2}: from 2001Ke06. Other: 3 ms +7−2 (1997Pu01). From partial T_{1/2} for β decay ≈5 s from gross beta decay theory(1973Ta30). Other: %α=99.8 2, %(ε+β⁺)≈0.12 +28−8, based on the partial β half-life of 2.5 s calculated by 1997Mo25. %α: Only α decay mode observed (1997Pu01).