

Electronic configuration of actinoids

The electronic configuration of actinoids is not definite. The general valence shell electronic configuration of 5f elements is represented as $[\text{Rn}]5f^{2-4}6d^{0-2}7s^2$. The following table show the electronic configuration of actinoids.

Name of the element	Atomic number	Symbol	Electronic configuration
Actinium	89	Ac	$[\text{Rn}] 5f^0 6d^1 7s^2$
Thorium	90	Th	$[\text{Rn}] 5f^0 6d^2 7s^2$
Protactinium	91	Pa	$[\text{Rn}] 5f^2 6d^1 7s^2$
Uranium	92	U	$[\text{Rn}] 5f^3 6d^1 7s^2$
Neptunium	93	Np	$[\text{Rn}] 5f^4 6d^1 7s^2$
Plutonium	94	Pu	$[\text{Rn}] 5f^6 6d^0 7s^2$
Americium	95	Am	$[\text{Rn}] 5f^7 6d^0 7s^2$
Curium	96	Cm	$[\text{Rn}] 5f^7 6d^1 7s^2$
Berkelium	97	Bk	$[\text{Rn}] 5f^9 6d^0 7s^2$
Californium	98	Cf	$[\text{Rn}] 5f^{10} 6d^0 7s^2$
Einsteinium	99	Es	$[\text{Rn}] 5f^{11} 6d^0 7s^2$
Fermium	100	Fm	$[\text{Rn}] 5f^{12} 6d^0 7s^2$
Mendelevium	101	Md	$[\text{Rn}] 5f^{13} 6d^0 7s^2$
Nobelium	102	No	$[\text{Rn}] 5f^{14} 6d^0 7s^2$
Lawrencium	103	Lr	$[\text{Rn}] 5f^{14} 7s^2 7p^1$