Lanthanides and Actinides Series Elements' Level Table

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ElementAbbr.	Element Name	Electron Config	Longest Lived Isotope	Half-Life(yr)	I	II	III	IV	V	VI	VII	VIII	IX	X
La	Lanthanum	$[Xe]5d^16s^2$			343	119	42	52	37	2	2	2	2	2
Ce	Cerium	$[Xe]4f^15d^16s^2$			953	491	227	17	12	4	2	2	2	2
Pr	Praseodymium	$[Xe]4f^36s^2$			430	201	430	104	9	2	2	2	2	2
Nd	Neodymium	$[Xe]4f^46s^2$			739	840	31	19	2	2	2	2	2	2
Pm	Promethium	$[Xe]4f^56s^2$			222	182	2	12	2	2	2	2	2	2
Sm	Samarium	$[Xe]4f^66s^2$			501	377	58	24	2	2	2	2	2	2
Eu	Europium	$[Xe]4f^76s^2$			592	163	118	13	2	2	2	2	2	2
Gd	Gadolinium	$[Xe]4f^75d^16s^2$			634	321	28	5	2	2	2	2	2	2
Tb	Terbium	$[Xe]4f^96s^2$			600	154	125	26	2	2	2	2	2	2
Dy	Dysprosium	$[Xe]4f^106s^2$			740	576	2	13	2	2	2	2	2	2
Ho	Holmium	$[Xe]4f^116s^2$			234	55	126	21	2	2	2	2	2	2
Er	Erbium	$[Xe]4f^126s^2$			634	362	53	10	2	2	2	2	2	2
Tm	Thulium	$[Xe]4f^136s^2$			631	367	128	8	2	2	2	2	2	2
Yb	Ytterbium	$[Xe]4f^146s^2$			250	349	55	121	2	2	2	2	2	2
Lu	Lutetium	$[Xe]4f^145d^16s^2$			234	40	29	62	40	2	2	2	2	2
Ac	Actinium	$[Rn]6d^17s^2$			45	67	8	2	2	2	2	2	2	2
Th	Thorium	$[Rn]6d^27s^2$			788	517	176	2	2	2	2	2	2	2
Pa	Protactinium	$[Rn]5f^26d^17s^2$	Pa-231	$3.276 * 10^4$	2	2	2	2	2	2	2	2	2	2
U	Uranium	$[Rn]5f^36d^17s^2$	U-238	$4.468 * 10^9$	2	2	2	2	2	2	2	2	2	2
Np	Neptunium	$[Rn]5f^46d^17s^2$	Np-236	$1.54 * 10^5$	2	2	2	2	2	2	2	2	2	2
Pu	Plutonium	$[Rn]5f^67s^2$	Pu-244	$8.08 * 10^7$	2	2	2	2	2	2	2	2	2	2
Am	Americium	$[Rn]5f^77s^2$	Am-243	$7.370 * 10^3$	2	2	2	2	2	2	2	2	2	2
Cm	Curium	$[Rn]5f^76d^17s^2$	Cm-247	$1.56 * 10^7$	2	2	2	2	2	2	2	2	2	2
Bk	Berkelium	$[Rn]5f^97s^2$	Bk-247	$1.380 * 10^3$	2	2	2	2	2	2	2	2	2	2
Cf	Californium	$[Rn]5f^107s^2$	Cf-251	$8.98 * 10^2$	2	2	2	2	2	2	2	2	2	2
Es	Einsteinium	$[Rn]5f^117s^2$	Es-252	$1.2944 * 10^0$	2	2	2	2	2	2	2	2	2	2
Fm	Fermium	$[Rn]5f^127s^2$	Fm-257	$2.752 * 10^{-1}$	2	2	2	2	2	2	2	2	2	2
Md	Mendelevium	$[Rn]5f^137s^2$	Md-258	$1.4099 * 10^{-1}$	2	2	2	2	2	2	2	2	2	2
No	Nobelium	$[Rn]5f^147s^2$	No-258	$1.1035 * 10^{-4}$	2	2	2	2	2	2	2	2	2	2
Lr	Lawrencium	$[Rn]5f^147s^27p^1$	Lr-266	$1.14155 * 10^{-3}$	2	2	2	2	2	2	2	2	2	2

This table details the lanthanides and actinides,information regarding 10 of their charge levels from NIST, electron configuration, and half-life.
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