

$2p_{1/2} - 2s_{1/2}$ shift in Li-like U

Corrections	Numerical value (eV)
point nucleus	0.00
1-el. SE 1st ord.	-55.87
1-el. VP 1st ord.	12.94
fin. nuclear size	-33.35
1-photon exch.	368.83
2-photon exch.	-13.37
≥ 3 -photon exch.	0.14
SE screening	1.52
VP screening	-0.36
known α^2 -QED	± 0.20
Nuc. polarization	0.03
1-el. Nuc. recoil	-0.04
2-el. Nuc. recoil	-0.03
Total theory	280.44(20)
Experiment	280.59(9)

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