

		$1S_{1/2}$ (in eV)
Binding energy E_B for point nucleus:		-132279.96
Correction	Order	
finite size		198.82 (.10)
– Uehling		–93.58
– WK		4.99
total VP	$m\alpha(\alpha Z)^4$	$\overline{-88.60}$
SE	$m\alpha(\alpha Z)^4$	355.05
SESE a,b,c	$m\alpha^2(\alpha Z)^4$	<u>new:</u> –0.24 (.12)
VPVP a	$m\alpha^2(\alpha Z)^5$	–0.22
VPVP b	$m\alpha^2(\alpha Z)^5$	–0.15
VPVP c	$m\alpha^2(\alpha Z)^4$	–0.60 (.01)
SEVP a,b,c	$m\alpha^2(\alpha Z)^5$	1.12
S(VP)E	$m\alpha^2(\alpha Z)^5$	0.13 (.03)
Recoil	$m\frac{m}{M}(\alpha Z)^2$	0.46 (.01)
Nuclear pol.	$m\frac{m}{M}(\alpha Z)^2$	–0.20 (.10)
Total binding energy		-131814.63
Lamb Shift (Theory)		465.75 (.33)
Lamb Shift (Exp.)		468 ± 13