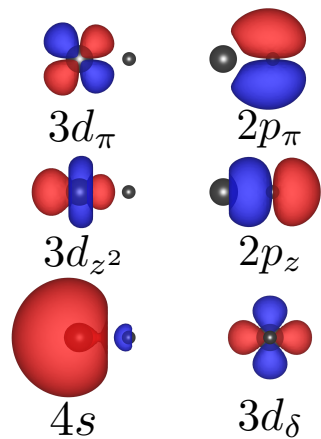
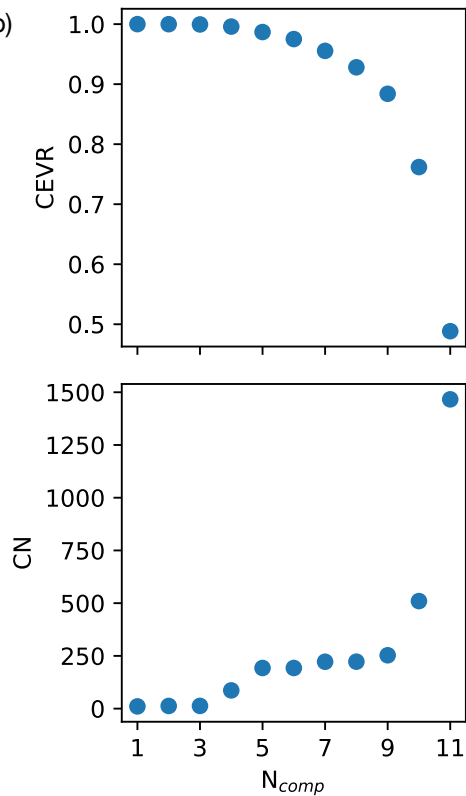


a)



b)



c)

Term	Value (eV)	$t_{\pi}$	0.20(5)
$\epsilon_{3d_{\pi}}$	-0.38(5)	$t_{dz}$	1.14(5)
$\epsilon_{3d_{\sigma}}$	0.85(5)	$t_{sz}$	0.36(7)
$\epsilon_{2p_{\pi}}$	1.86(5)	$t_{ds}$	1.05(8)
$\epsilon_{2p_{\sigma}}$	-0.93(5)	$J_{sd}$	-0.7(1)
$\epsilon_{4s}$	2.78(7)	$U_s$	3.8(1)

d)

