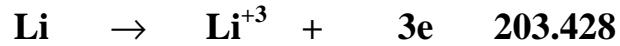
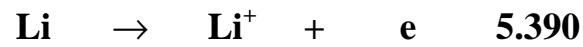


Total Energy of Li Atom

Experimental

$\Delta E(\text{ev})$



using 1 au = 27.212 ev

$$\text{Total Energy of Li atom} = \mathbf{-7.476 \text{ au}}$$

$$\text{Hartree-Fock Energy of Li Atom} = \mathbf{-7.433 \text{ au}}$$

$$\text{Difference (correlation energy)} = \mathbf{0.043 \text{ au} \quad \text{or } 1.17 \text{ ev}}$$