In the nucleus density gravitation is greater than electrostatic force YONGQUAN HAN, 13241375685 — Let's compare the density gravitation and electrostatic force between two protons. Temporarily, gravitational constant is believed to be accurate in the following discussion. Proton mass is about $1.67\text{x}10^{-27}$kg, radius is about r=$1.0\text{x}10^{-15}$m H=$6.67\text{x}10^{-11}$k=$9\text{x}10^{9}$ Proton charge is e=$1.6\text{x}10^{-19}$coulomb Proton density is p1= $\frac{1.67\times10^{-27}}{\frac{4}{3}\pi r^3}$ = $\frac{1.67X10^{-27}}{4.1762X10^{-45}}$ = $4X10^{17}$kg/m^3 F$_d$ =H$\frac{p_1^2}{R^2}$ F$_e$ = $K\frac{e^2}{R^2}$ Obviously F$_d$ $\gg$ F$_e$, Tt is apparent that F$_d$ is much greater than F$_{e.}$.

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