\[ E_p = \frac{k q_1 q_2}{r^2} = \frac{(8.99 \times 10^9 \text{ Nm}^2/\text{C}^2)(16 \times 10^2)}{(52.9 \times 10^{-12} \text{ m})^2} \]

so \[ E_p = 5.14 \times 10^{11} \text{ N/C} \] (this is extremely large!)