

Homework 15 for September 23 2008

Due 8AM on September 24 2008

Physics 221 with Professor Jeff Terry

1. An ion accelerated through a potential difference of 115V experiences an increase in kinetic energy of 7.37×10^{-17} J. Calculate the charge on the ion.
2. An electron is released from rest in a uniform electric field of 5.90×10^5 V/m. How fast will the electron be moving after it has traveled 1.00cm?