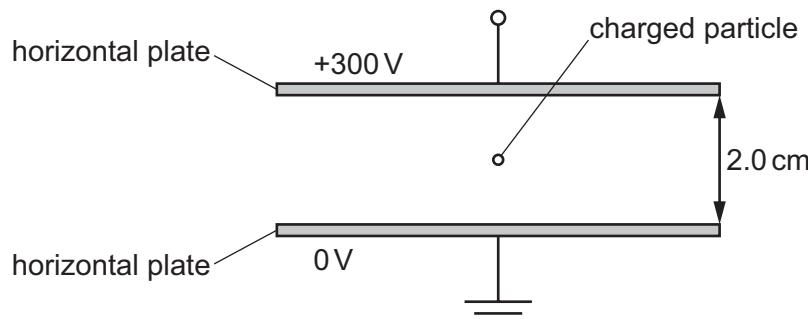


32 A charged particle is in a vacuum between two horizontal metal plates as shown.



The acceleration of the particle is $7.15 \times 10^{11} \text{ ms}^{-2}$ downwards. The particle has a mass of $3.34 \times 10^{-27} \text{ kg}$.

What is the charge on the particle?

- A** $+1.6 \times 10^{-19} \text{ C}$
- B** $-1.6 \times 10^{-19} \text{ C}$
- C** $+1.6 \times 10^{-17} \text{ C}$
- D** $-1.6 \times 10^{-17} \text{ C}$