

Answer on question #60888, Physics / Other

Question if an electron beam is in +y axis, force experience is in +x axis, where is magnetic field

Solution Lorenz force on electron is:

$$\mathbf{F} = \frac{q}{c} [\mathbf{v} \times \mathbf{B}]$$

Using property of the cross-product we find that magnetic field has +z direction.