

**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.