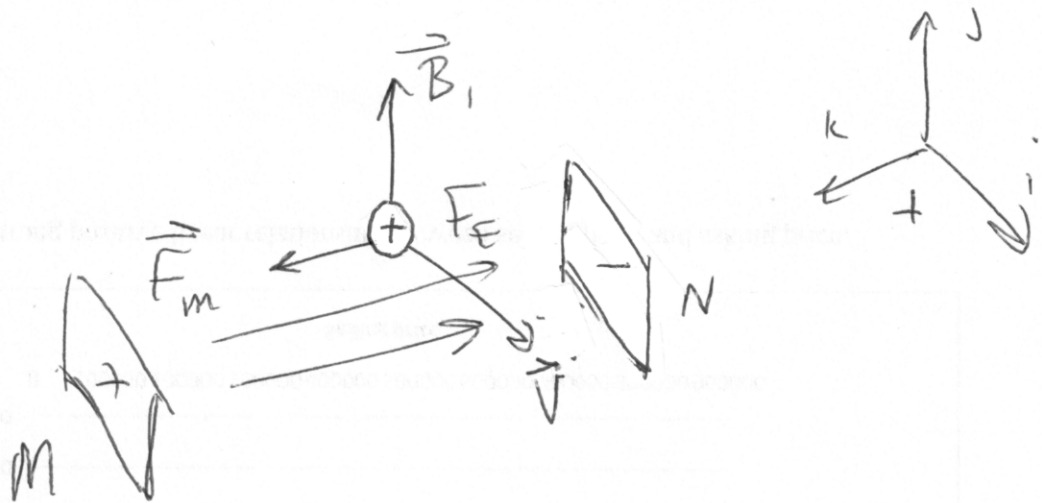


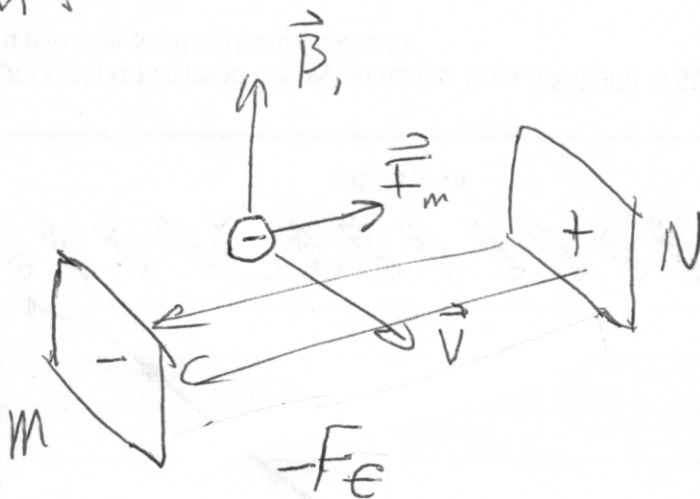
given $\vec{F} = q(\vec{E} + \vec{v} \times \vec{B})$

RHR



$$\vec{F} = 0 = q(-\vec{E} + \vec{v} \times \vec{B})$$

if negative ion is used travelling, same direction.



$$\vec{F} = q(\vec{E} - \vec{v} \times \vec{B}) = 0$$

Therefore both \vec{E} & \vec{B}_2 must be reversed?