$$B = B\cos 70\dot{y} - B\sin 70\dot{h}$$

$$B = 5 \times 10^{-5} T$$

$$F_{m} = + e U \wedge B$$

= 1.6 × 10 × 10 0 1 0
0 By Bz

$$= 1.6 \times 10^{-12}$$
 $= (82 - 0) - f(0 - 0)$ $+ 4(0 - 0)$

$$= 1-6 \times 10^{-12} \text{ Bz } \sqrt{10^{-12} \text{ Sin 70}^{\circ}} = 1-6 \times 10^{-12} \times 5 \times 10^{-17} \text{ sin 70}^{\circ} = 1$$

$$= -7.5 \times 10^{-17} \text{ in } N$$