$$p_{3} = (E, \mathbf{p}) B$$

$$k_{1} = (E, \mathbf{k})$$

$$k_{2} = (E, -\mathbf{k})$$

$$B'$$

$$p_{4} = (E, -\mathbf{p})$$

$$p_{3} = (E_{3}, \mathbf{p}) B_{3}$$

$$A = (E, E)$$

$$k_{2} = (E, -E)$$

$$B_{4}$$

$$p_{4} = (E_{4}, -\mathbf{p})$$