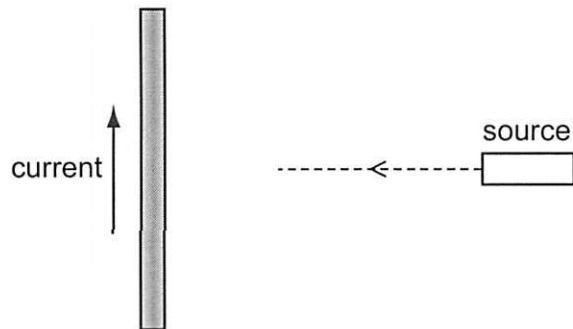


- 27 The diagram shows a long vertical wire carrying a steady current. A source fires a horizontal beam of positively-charged particles towards the wire.



As they approach the wire, the particles experience an electromagnetic force from the field of the current.

What is the direction of this force?

- A in a direction parallel to the wire
- B in a horizontal direction at 90° to the original path
- C in a horizontal direction towards the wire
- D in a horizontal direction at 180° to the original path