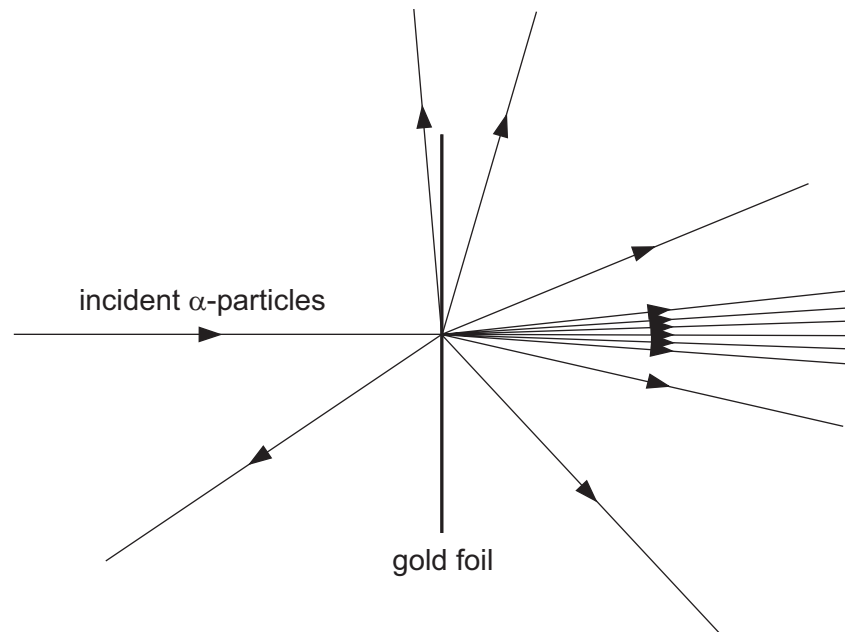


39 A thin gold foil is bombarded with α -particles as shown.



The results of this experiment provide information about the

- A** binding energy of a gold nucleus.
- B** energy levels of electrons in gold atoms.
- C** size of a gold nucleus.
- D** structure of a gold nucleus.