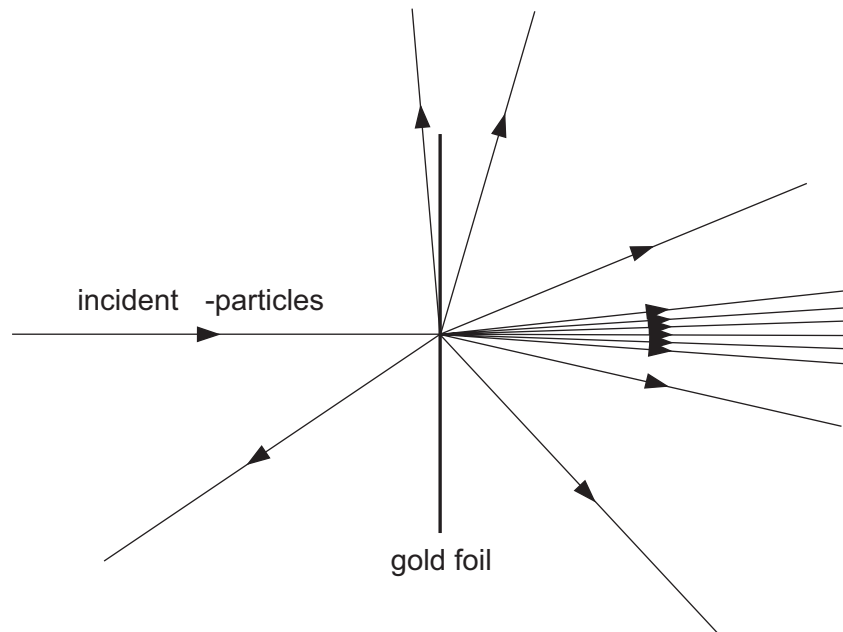


38 A thin gold foil is bombarded with  $\alpha$ -particles as shown.



What can be deduced from this experiment?

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