

- 30** Which of the following is a valid observation that leads to the prediction of the existence of the neutrino?
- A** There is a range of energies for the emitted β -particles during β -decay.
 - B** The total charge of the daughter nuclide and β -particle is not equal to the charge of the parent nuclide that undergoes β -decay.
 - C** There is loss in mass during β -decay.
 - D** The track for a particle, different from that of β -particles, can be observed in a cloud chamber for a radioactive β -emitter.

End of Paper