

- 29 α -particles, β -particles and γ -rays are three common types of radiation from radioactive sources.

Which row describes a property of these three types of radiation?

| | property | α -particle | β -particle | γ -ray |
|---|-----------------------------|--------------------|-------------------|---------------|
| A | charge | +2e | +2e | 0 |
| B | deflected in electric field | yes | yes | yes |
| C | can penetrate 0.2 m in air | no | yes | yes |
| D | causes ionisation | yes | yes | no |

