

Wednesday, February 18, 2026

Ionizing Radiation → easy to detect with Geiger Counter
↳ generates many e^- when it encounters matter

1) α - particle

${}^4\text{He}$ nucleus

(blocked by paper)

2) Beta particle

(electron or positron)

(block by thin metal)
or lead

3) X-rays

keV range ~~is~~ photon

(block by thin-to-mm thick metal)

4) γ Gamma rays

(γ -ray)

MeV range or higher photon

GeV

TeV

(thru lead, hard to block)