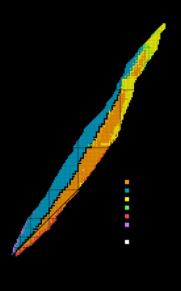
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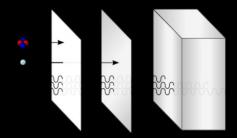


	Alpha Particles (α Particles)	Beta Minus Particle (β- Particles)	s Gamma Rays (γ Rays)
	<sup>4</sup> He	$_{-1}^{0}e$	γ
	Helium nuclei	Electrons	Electromagnetic radiation
Charge	+2e	- e	no charge
lonising power	High	Low	Lowest
Penetrating power	Low (A few cm in air)	High (A few mm in Aluminium)	Highest (A few cm in lead)
Velocities	0.06 <b>c</b>	0.98 c	1 c
In B & E field	Deflected	Deflected	No deflection

most significant! (difference)

Y-Rays: ∝ porticles:

B porticles:



andom sportane

average time taken
for unstable nuclei
present to disintegrate
activit

how much nuclei will