## Gamma and Xray in Medicine (I)



Ask Mish

NP to E

= non

penetrant

to Earth

Туре	GAMMA < Inm (10to-9 m)	X RAY 0.1-10nm
Origin/ Definition	excited nucleus after alfa, beta radiation	excited electrons changing orbitals
Occurrence	I.cosmic NP to E  2. natural radioactivity	I.cosmic NP to E 2 X ray tube
Detection	scintillator	X ray film
Medical use	scintigraphy/SPECT/PET	Xray/ CT scan

## Gamma and Xray in Medicine (2)

			Ask Mish
Medical use	Gamma	X ray	
Source location / body	in the body: emission	out of the body: transmission	
Source	Radiotracer	X ray tube	
Detection	gamma camera scintillator Anger camera (syn.)	Xray image	