

List of Symbols

b	Order of kinetics
c	Velocity of light 3×10^8 m/s.
h	Planck's constant 6.626×10^{-34} J/s,
k	Boltzmann constant,
s	Frequency factor which represents the interaction between a bound electron with the lattice phonons and a transition probability.
A	Ampere
E	Energy trap depth
^{90}Sr	Strontium 90
T	Absolute temperature
I	Luminescence intensity
^{90}Y	Yttrium 90
τ	Lifetime of the electrons in the trap
μ	Fill factor of the light detector
λ	Wavelength
Gy	Gray