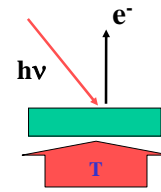


Innovative Technology and Instrument to Explore the Risk of Applying High Gamma Radiation Doses on the Nanostructure Surface of the Bones

Mohamad Zakaria, Yuri Dekhtyar, Vladimir Noskov, and Tatjana Bogucharska

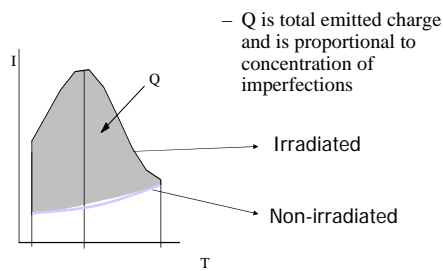
Biomedical Engineering and Nanotechnology Institute, Riga Technical University, Latvia

Exoelectron Emission (EEE)

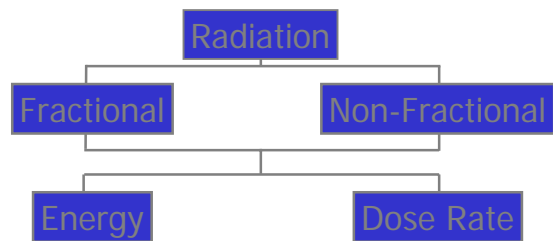


Relaxation is accelerated by temperature

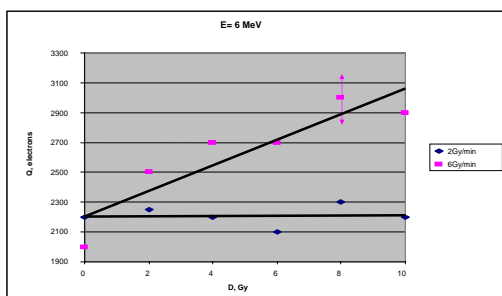
Typical EE glow curve



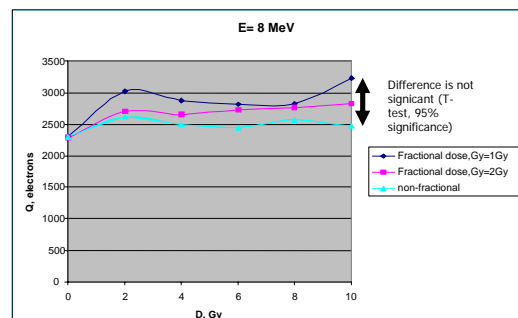
Gamma Radiation Modes



Dependence of Q average on D and E for E= 6 MeV for non-fractional mode



Dependence of the Q average values on Dose for E= 8 MeV for fractional and non-fractional modes



Dependence of the Q average values on (D) for Non-Fractional Mode

