

Basics of radioprotection



Stéphanie Fryars

Univ Rennes, Institut des Sciences Chimiques de Rennes – UMR6226 (France)

email: stephanie.fryars@univ-rennes1.fr

Radiation protection is to prevent the occurrence of harmful deterministic effects and to reduce the probability of occurrence of stochastic effects (cancer, hereditary effects...). Ionising radiation may produce deterministic and stochastic effects. In this lecture, we'll go through the definition of ionising radiation, its ways of exposure, its biological effects, regulations, the characteristics of some actinides and the radiation safety rules.