

IEEE NPSS School of Application of Radiation Instrumentation Dakar -Senegal



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Introduction to Nuclear Medical physics

Monday 14 November 2022 15:30 (45 minutes)

The main objective of this introductory lecture would be to present the basic of medical nuclear medicine seen from an experimental particle physicist. It is particularly designed as a basic educating lectures.

The outlines are:

- What is medical Physics?
- A little bit of history from the 1900's origin
- A refreshing presentation of Radiation units (Curie, Becquerel, Gray's , Sievert ..) and their effects on the human body.
- The basic of Radiology (from standard exam to the Computed Tomography)
- Fighting again cancer with modern tools and techniques : a short overview from past, present and future.
- Introduction to Nuclear medicine, with details about dosimetry and production of tracers.

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