

Emitter spectrum

The emitter spectrum is a characteristic of the ionizing radiation emitter used in the field of nuclear medicine. This is the distribution of scintillation pulse heights. It is mainly obtained in a scintillation detector. Consists of:

- one or more peaks of flashes of visible light, so-called photopeaks.
- **Compton continuous spectrum.**

The pulses in each photopeak belong to gamma photons that have lost all their energy in the scintillator. During an examination in nuclear medicine, the interval defined by the analyzer in the scintillation spectrum is set to the photopeaks of the measured radiopharmaceutical.



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Links

Related articles

- Scintigraphy
- Radiopharmaceuticals
- Compton scattering

References

- KUPKA, Karel – KUBINYI, Jozef – ŠÁMAL, Martin, et al. *Nukleární medicína*. 1. edition. vydavatel, 2007. 185 pp. pp. 36-37. ISBN 978-80-903584-9-2.