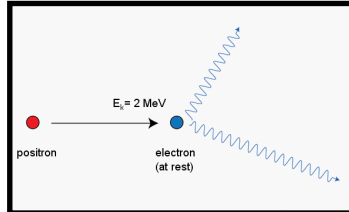
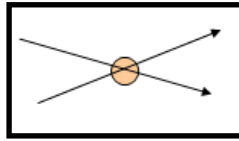


Medical Radiation Dosimetry Course

www.mrdc.dtu.dk

Now for the 10th time!



$$D = \int_{T_{\text{cut}}}^{\infty} \Phi_T \frac{S_{\text{col}}(T)}{\rho} k_{\text{col}}(T) dT$$



The Center for Nuclear Technologies at the Technical University of Denmark (DTU Nutech) offers an intensive five-day course in medical radiation dosimetry.

The course provides the theoretical and metrological background for measurement of radiation doses in radiotherapy, diagnostic radiology, and nuclear medicine.

The key elements in the course are:

- (1) Interaction between radiation and matter
- (2) Monte Carlo calculation of radiation transport (EGSnrc)
- (3) Cavity theory
- (4) Radiation detection techniques
- (5) Protocols for high-energy x-ray and electron dosimetry with ion chambers (TRS-398)
- (6) Proton dosimetry physics
- (7) Metrology (traceability and uncertainty)

Intended audience: Hospital physicists in training, researchers and graduate students (physics or engineering).

Course dates: The next course will be from May 20 to May 24, 2019.

Deadline for registration: April 15, 2019 (send e-mail to clan@dtu.dk)

Course price: 10800 DKK (excl. VAT). Maximum number of participants: 12

Language: The 2019 course will be in English and international participants are welcome.

Further information: Please check the web site www.mrdc.dtu.dk

Location: DTU Nutech, Technical University of Denmark, Risø Campus build. 201, 4000 Roskilde, Denmark