

Radiation dosimetry of electron beams up to 50 MeV at MELAF

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A reliable dosimetry is a key for reliable radiobiological experiments. The Physikalisch-Technische Bundesanstalt (PTB) is the National Metrology Institute of Germany. PTB's tasks are the realization and dissemination of the legal units of the SI as the unit Gy in terms of absorbed dose to water. To perform fundamental research in dosimetry, PTB operates the Metrological Electron Accelerator Facility (MELAF). This talk will give an overview of MELAF and introduce in radiation dosimetry procedures for electron beams up to 50 MeV.