

Application of photon-counting computed tomography to rocks/crystals containing heavy elements

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Photon counting CT (PC-CT) uses an energy-resolved X-ray detector, which allows X-rays with a continuous energy spectrum to be detected separately in arbitrary energy regions (Willeminck et al. 2018). We report the results of applying a laboratory-built PC-CT to materials containing heavy elements with the characteristic X-ray absorption edge energy in the energy range in which the PC-CT is used. Reference: Willeminck et al. (2018) DOI: 10.1148/radiol.2018172656

Keywords: Photon-counting computed tomography