

INORGANIC SCINTILLATORS FOR DETECTOR SYSTEMS%0A

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Inorganic scintillators are composed by certain materials, which have the properties to emit light when ionizing radiation interact in it. The detection of ionizing radiation through scintillation light is one of the oldest techniques documented.

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Inorganic scintillators play an important role in the detection and spectroscopy of gamma and X-rays, as well as in neutrons and charged particles. For a variety of applications, new inorganic

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Inorganic scintillators in medical imaging
comparatively good detection efficiency of inorganic scintillators for hard radiation. Yet, the various diagnostic methods differ considerably and consequently the radiation detector requirements also differ. These requirements are not always met by the scintillator specifications. This is one of the reasons for continuous scintillator R&D. The other reasons are the need for (1) new, digital
Scintillator - Wikipedia

A scintillator is a material that exhibits scintillation, the property of luminescence, when excited by ionizing radiation. Luminescent materials, when struck by an incoming particle, absorb its energy and scintillate (i.e. re-emit the absorbed energy in the form of light).

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