

Formation of regular pulses with high peak intensity from a random flow of gamma quanta

Shakhmurov R., Vagizov F., Kocharovskaya O.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

The propagation of a random flow of gamma quanta through a thick absorber containing resonant ^{57}Fe nuclei is studied. Fast displacement of the absorber with respect to the gamma quantum source is found to produce short radiation pulses with high peak intensity. Measurements are made without correlation to the actual moment of photon emission by the source. © 2014 Allerton Press, Inc.

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