

Characteristics of detectors for prevention of nuclear radiation terrorism.

Friday, 14 October 2016 15:15 (30)

There is description of two types of detectors in use for the task of nuclear terrorism cases prevention to determine the direction to the radioactive source and geometrical structure of radiation field. The first type is modular detector with anisotropic sensitivity. The principle of work of a modular detecting device is the simultaneous operation of several detecting modules with anisotropic sensitivity to gamma radiation. The second type is telescopic detector with high accuracy in determining the direction on conditions that small amount of particles are detected and the possibility of constructing the angular distribution of γ -radiation fluxes from many sources .

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Session Classification : Poster session - VI

Track Classification : Methods of experimental physics