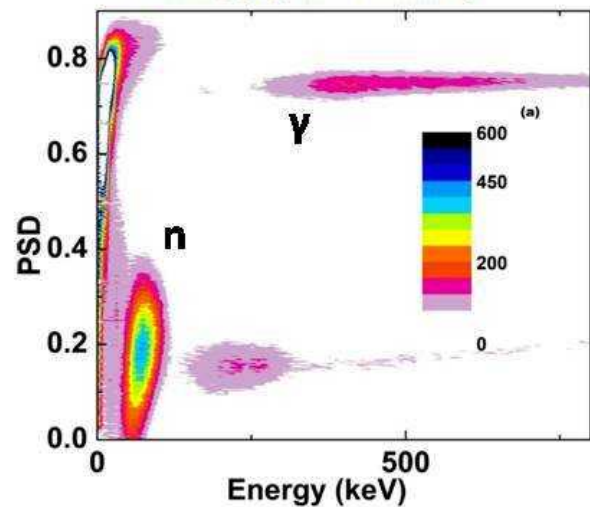
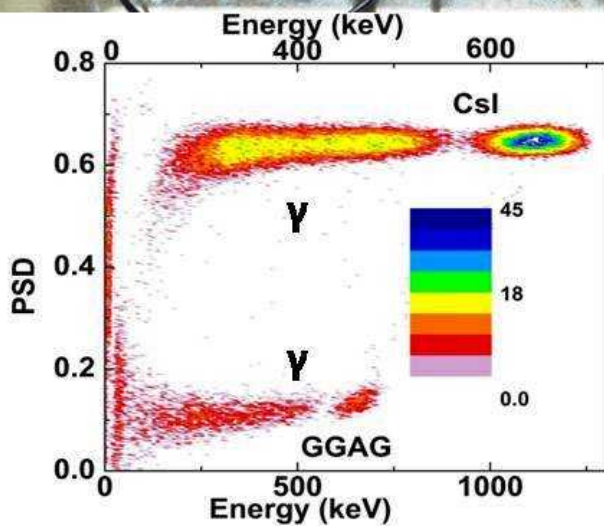
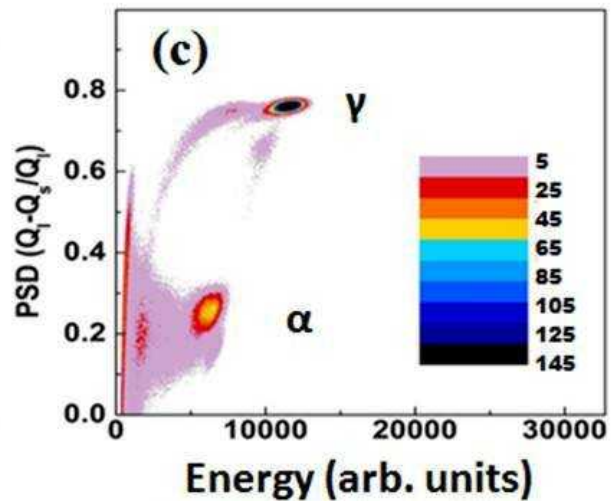


Device along with its discrimination ability for alpha-gamma, gamma-gamma and neutron-gamma radiation



This invention describes a novel and the most versatile phoswich radiation detector consisting of two single crystals scintillators. It can detect and discriminate various types of radiations like alpha, neutrons, gamma simultaneously having versatile applications in academic, nuclear, security and medical fields. The detector has the highest figure of merit of discrimination ability that is improved more than 100% when these single crystal scintillators are used separately