

LIMITS OF DETECTION  
IN NUCLEAR PHYSICAL EXPERIMENT

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S u m m a r y

A majority of scientific publications, normative documents, and methodical recommendations refers to the mathematical definitions of limits of detection, which were presented in the original article of L.A.Currie [1] without substantiation and are incorrect in the general case. We present the correct mathematical definitions of limits of detection and give expressions for calculation of limits of detection in a nuclear counting experiment.