

NOTE ON THE EXPERIMENTAL DETERMINATION  
OF THE RELATIVE FAST-NEUTRON SENSITIVITY  
OF A HYDROGENOUS SCINTILLATOR<sup>a</sup>

by

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ABSTRACT

A method for determining the relative fast-neutron sensitivity of a hydrogenous scintillator is outlined. The procedure is based upon the time-of-flight measurement of the prompt-fission-neutron spectrum of <sup>252</sup>Cf. Detailed relative detector sensitivities are experimentally determined to few percent accuracies for neutron energies from a few 100 keV to 10 MeV.

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