

**A COMPARATIVE STUDY ON NEUTRON-GAMMA DISCRIMINATION  
WITH UGF AND UGAB SCINTILLATORS**

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Liquid scintillators are widely used for neutron-gamma discrimination in mixed field. UGAB and UGF scintillators contain low toxic main solution and scintillation materials, the UGAB in addition, contains a considerable amount of surfactants. UGAB and UGF are being used in  $4\pi$  alpha-beta radiation measurement as a liquid scintillation counting (LSC) vial. For determining surfactant effect on neutron-gamma discrimination capability of these scintillators, the figure-of-merit and peak-tovalley values factors were measured for them.