

Abstract Submitted  
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**Americium activated scintillators** ALEC RAYMOND, J. BART CZIRR, JOHN E. ELLSWORTH, Brigham Young University — We are interested in studying the useful lifetime of americium activated plastic and glass scintillators used as calibration and reference sources. The light output per decay event decreases over time as a result of radiation damage to the scintillating material. Reported here is the measured light output of 25-year-old americium activated glass and plastic scintillators and our experimental setup to further study the degradation of scintillators.

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