

Abstract Submitted  
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**Precision Measurement of the n-235U fission cross section using the Alpha-Gamma Absolute Cold Neutron Flux Measurement Device**  
CHRIS HADDOCK, National Institute of Standards and Technology — The Alpha-Gamma device at the National Institute of Standards and Technology utilizes the interaction of neutrons with a totally absorbing  $^{10}\text{B}$  target to precisely measure the flux of a monochromatic neutron beam. This measurement provides a calibration of the  $^6\text{Li}(n,\alpha)^3\text{H}$  based flux monitor used in the NIST neutron lifetime experiment to better than 0.1

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