

Abstract Submitted
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X-Ray Diffraction: Geiger-Müller Tube Experiments NICHOLAS TOMLINSON, CHACE COVINGTON, SETH SMITH, Francis Marion University — X-ray experiments were performed with the Leybold Didactic Model 554801 X-Ray Apparatus with a Molybdenum anode. The experiments performed include Bragg's Law, the Duane-Hunt relation, Planck's Constant, and Moseley's Law and the Rydberg constant. X-ray filtering and the energy spectrum of an X-ray tube as a function of voltage and current were also observed. The results of these experiments and the performance of the x-ray apparatus will be presented.

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