

Abstract Submitted  
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**X-Ray Fluorescence With a Krypton Gas Proportional Counter**

DAVID PETERSON, Francis Marion University — X-Ray fluorescence analysis of potential meteorites can provide evidence of the typical iron and nickel content of certain classes of meteorites. The resolution of a Krypton-Carbon Dioxide filled proportional counter is sufficient to resolve the K X-rays of these low Z elements. The detector operates at room temperature, and the associated electronic circuit is simple and can be assembled quickly.

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