

Abstract Submitted
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Anomalous Radiation Produced by Glow Discharge in Deuterium Containing Oxygen EDMUND STORMS, BRIAN SCANLAN, KivaLabs, LLC, 2140 Paseo Ponderosa, Santa Fe NM 87501 — ElectroMagnetic Radiation (EMR) and anomalous radiation (potentially produced by nuclear reactions, involving high energy particles), in a low-voltage discharge in a gas containing deuterium was measured using a Geiger counter located within the apparatus. This radiation is found to consist of energetic particles that are produced only when the voltage is above a critical value. In addition, the emission is very sensitive to the presence of oxygen in the gas. The intensity of the reaction producing the radiation could be fit by a power function when compared to the applied voltage. The effect of EMR and other sources of noise that might be attributed to the anomalous radiation are discussed.

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