



## **Search for X-rays and relativistic electrons in laboratory discharge experiments**

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In 2013 discharge experiments were carried out at the Technical University of Eindhoven. The experimental set-up was designed to search for both X-rays and electrons produced in meter-scale sparks using a 1 MV Marx generator. In this paper we present the spatial distribution of signals and examine whether they are X-rays only or X-rays and electrons. Other characteristics of the signals will be presented as well.

These experiments are carried out in the context of a larger effort to understand the various phenomena of X-rays and gammas from natural lightning.

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