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**PRELIMINARY RADIOLOGICAL INVESTIGATIONS OF X-RAYS PRODUCED BY
SPARKS IN HIGH VOLTAGE LABORATORY**

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Abstract – Reports of X-rays detection, produced by air flashovers in ordinary high voltage laboratories, can be found in the literature. These flashovers are very often to occur in the daily work of the laboratories around the world. This paper presents measurement results of X-ray doses during a whole month of working in the High Voltage Laboratory of Institute of Electrotechnics and Energy of the University of São Paulo. The methodology and additional experiments are also presented.