# SPIE journal papers: sample manuscript showing style and formatting specifications

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**Abstract.** Abstract

**Keywords:** Geant4, GRB, gamma-rays, satellite, cosmic background.

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## 1 Introduction

## 2 Methodology

The differential flux is normed. Afterwards the normed integral flux is calculated for each bin.

$$\int 12$$

A random number between zero and one is drawn.

## 3 Simulation of GRB induced signal in the detector

tbd: what is the background after polar orbits? casing thickness needs to be optimized for: more GRB signal less CXB signal less electrons...

## 4 Results

## Appendix A: Miscellaneous Formatting Details

*Disclosures*

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