

# Abstract Title for IRMMW-THz 2019 16pt Times New Roman

First A. Author<sup>1</sup>, Second B. Author<sup>2</sup>, Jr., and Third C. Author<sup>1</sup>1pt<sup>3</sup>

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**Abstract**—A short summary (typically 100 words) of the work can go here. Use 9pt bold Times New Roman. A short summary of the work can go here. A short summary of the work can go here. A short summary of the work can go here. A short summary of the work can go here. A short summary of the work can go here.

## I. INTRODUCTION 10PT SMALL CAPS

**T**HIS template should be used for abstract submissions to the 44<sup>th</sup> International Conference on Infrared, Millimeter, and Terahertz Waves (IRMMW-THz 2019) to be held from September 1-6<sup>th</sup>, 2019, at Maison de la Chimie, Paris, France. Please refer to the conference website for details, including registration and paper submission information: <http://www.irmmw-thz2019.org/>

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The template is for Microsoft Word versions 6.0 or later. Note the page size is 8.5x11" (US Letter). Please use 10pt Times New Roman throughout the main body text. Leave no blank lines between paragraphs, but indent 2 columns (0.14"). Use single line spacing under paragraph Indents and Spacing. For the initial header use 12pt above, and 4pt below as shown. For future headers use 6pt above and 4pt below as indicated in section II.

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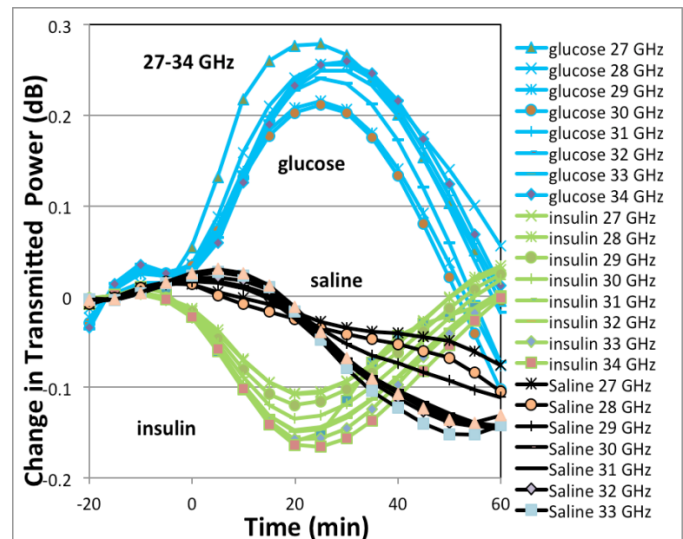
Please, do not number your pages and do not use any HEADERS or FOOTERS. This section is the Introduction.

## II. RESULTS

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**Figures:** Format and save your graphic images using a suitable graphics processing program that will allow you to save the images as a jpeg file, for example, and then insert the figure in line with the text using the *Insert* → *Picture* → *From-File* menu. Label Figures with a text box as shown. The column width is 3.5" with 0.2" between columns. Be sure your figure and text box fit within this margin.



**Fig. 1.** Change in millimeter-wave transmission through the animal ear as a function of time for various frequencies between 27-34 GHz. At time  $t=0$  injections were given of: 2g/kg Glucose (blue), 1 ml Saline (black) and 2 Units/kg Insulin (green). Typical absorption time is 20 minutes. Note that the levels track the expected shift in absorption due to change in the imaginary part of the index of refraction, consistent with prior data from published millimeter wave measurements on blood glucose (see text).

## III. SUMMARY

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## IV. FINAL ABSTRACT

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#### REFERENCES

- [1] A. B. Lastname1, C. D. Lastname2, and E. Lastname3, “Title of the article,” *Journal Name in Italics*, vol. #, pp. 1–10, month year.
- [2] C.-F. So, K.-S. Choi, T. K. Wong, and J. W. Chung, “Recent advances in noninvasive glucose monitoring,” *Medical Devices: Evidence and Research*, vol. 5, pp. 45–52, 2012.
- [3] E. Topsakal, T. Karacolak, and E. C. Moreland, “Glucose-dependent dielectric properties of blood plasma,” in *2011 XXXth URSI General Assembly and Scientific Symposium*, Aug 2011, pp. 1–4.