Formation of PhenRad via CH ring insertion...

Z. Levey, B. A. Laws,* K. Nauta, and T. Schmidt

School of Chemistry, University of New South Wales, Sydney NSW 2052, Australia

E-mail: B.Laws@unsw.edu.au

Abstract

This is the manuscripts abstract...

Introduction

Intro....[1][?] oconnor paper says...[2]

Results

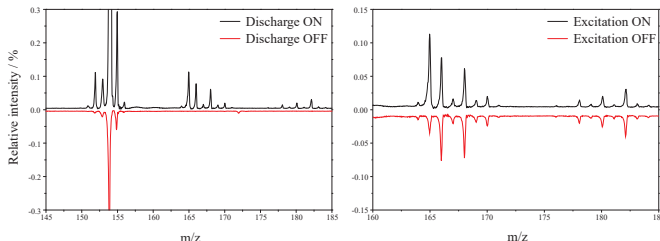Here is a figure. You can then refer to the figure using Fig. 1.

Figure 1: A figure showing the depletion rate for different laser delays.

Discussion

Equations may be written using general LaTeX format, and the same labelling method.

$$I(\theta,\epsilon) = \frac{\sigma_{\text{total}}(\epsilon)}{4\pi}[1 + \beta(\epsilon)P_2(\cos\theta)], \qquad (1)$$

where β in Eq. (1) is a really cool parameter.

We can also make tables, like this one, Table 1.

Table 1: This is my table caption.

Peak	eBE (cm^{-1})	v (cm^{-1})	β	Symmetry
	23 591	-231	+	Σ^+

Conclusion

Experimental Details

References

(1) Porfiriev, D. P.; Azyazov, V. N.; Mebel, A. M. Conversion of acenaphthalene to phenalene via methylation: A theoretical study. *Combustion and Flame* **2020**, *213*, 302 − 313.

(2) O'Connor, G. D.; Troy, T. P.; Roberts, D. A.; Chalyavi, N.; Fückel, B.; Crossley, M. J.; Nauta, K.; Stanton, J. F.; Schmidt, T. W. Spectroscopy of the Free Phenalenyl Radical. *Journal of the American Chemical Society* **2011**, *133*, 14554–14557, PMID: 21854045.