

## The Complete Title of Your Manuscript Goes Here

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### ABSTRACT

Your abstract starts here...

## 1. Introduction

Your introduction starts here. The lack of accurate and complete molecular data has been a serious limitation to ... as explained by Name1 & Name2 (1999), the first reference in the bibliography. A sample reference to a book is given in the second reference in the bibliography section at the end of the manuscript.

## 2. New Section

### 2.1. New Subsection

Your new section starts here with, for example, some text and Equation (1):

$$\sigma_{v''J''} = 2.69 \times 10^{-18} \Delta E_{k'J',v''J''} \frac{1}{2J''+1} \sum_{J'=J''-1}^{J''+1} S_{J'} |D_{k'J',v''J''}^{fi}|^2 \text{ cm}^2, \quad (1)$$

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<sup>1</sup>Footnote for F1. M1. Name1.

where  $\Delta E_{k'J',v''J''}$  is the energy of the absorbed photon and  $S_{J'}$  are the Hönl-London factors defined for the electronic transition.

A reference to Figure 1 can be made followed by the actual scaled figure below with a caption:

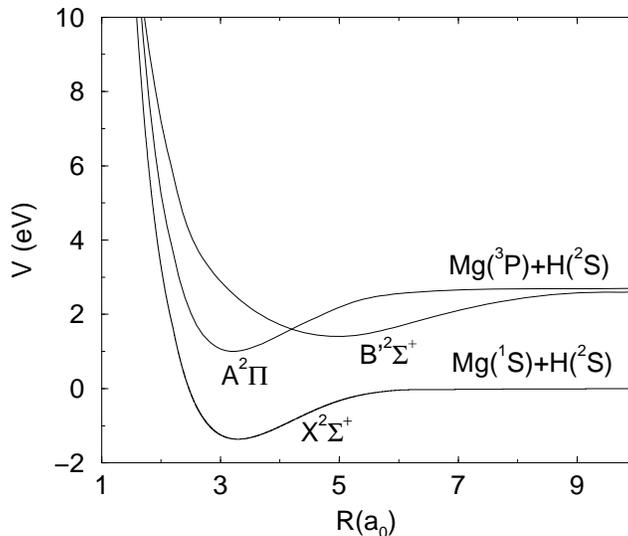


Fig. 1.— The caption for this figure comes right here.

Both `deluxetable` and `table` types of tables can be used in the manuscript. Here comes an example using the `table` environment:

Table 1: Caption for the first table.

Star	Height	$d_x$	$d_y$	$n$	$\chi^2$	$R_{maj}$	$R_{min}$	$P^a$	$PR_{maj}$	$PR_{min}$	$\Theta^b$
1	33472.5	-0.1	0.4	53	27.4	2.065	1.940	3.900	68.3	116.2	-27.639
2	27802.4	-0.3	-0.2	60	3.7	1.628	1.510	2.156	6.8	7.5	-26.764
3	29210.6	0.9	0.3	60	3.4	1.622	1.551	2.159	6.7	7.3	-40.272

<sup>a</sup>Sample footnote for table 1 that was generated with the L<sup>A</sup>T<sub>E</sub>X table environment

<sup>b</sup>Yet another sample footnote for table 1

Note. — We can also attach a long-ish paragraph of explanatory material to a table.

### 3. Conclusion

Your conclusion starts here...

This work was supported in part by grants...

### REFERENCES

Name1, F1. M1., & Name2, F2. 1999, J. Comp. App. Math., 102, 41

Name3, F3. 2000, Title of the book, F1. Editor1 & F2. Editor2, Dordrecht: Reidel, 109