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DRAFT VERSION MONDAY 11<sup>TH</sup> MARCH, 2024

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## SAUNAS: III. X-ray Scaling Relations of Diffuse Hot Gas Galactic Halos\*

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### ABSTRACT

Put the abstract here.

### 1. BACKGROUND

Here is the intro section ([Aguerri et al. 1998](#); [Bell et al. 2006b,a](#)).

The first sentence in the intro!

The second sentence in the intro.

#### 1.1. *Motivation*

The first sentence under motivation.

second sentence under motivation.

Third sentence right here right NOW!!

4th sentence

5th sentence here

##### 1.1.1. *Goals*

First sentence in this section underneath Goals.

### 2. METHODS

First sentence in methods section.

*Facilities:* Chandra

*Software:* CIAO, LIRA, VorBin

### REFERENCES

Aguerri, J. A. L., Beckman, J. E., &  
Prieto, M. 1998, AJ, 116, 2136,  
doi: [10.1086/300615](https://doi.org/10.1086/300615)

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- Bell, E. F., Phleps, S., Somerville, R. S.,  
et al. 2006a, ApJ, 652, 270,  
doi: [10.1086/508408](https://doi.org/10.1086/508408)
- Bell, E. F., Naab, T., McIntosh, D. H.,  
et al. 2006b, ApJ, 640, 241,  
doi: [10.1086/499931](https://doi.org/10.1086/499931)