

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

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### ABSTRACT

Put the abstract here. ANother sentence 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. a 3rd sentence in the background.

Here is a mistake.

Wait, there is no mistake here anymore!

#### 1.1. *Motivation*

The first sentence under motivation. ([Bernardi et al. 2006](#))

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.

#### 2.1. *UnderMethods*

This sentence is in a subsection.

##### 2.1.1. *Under-underMethods*

This sentence is in a sub sub section!

#### 2.2. *another one*

Yep, we just made another one.

<sup>\*</sup> Released on May, 11th, 2023

2.2.1. *new addition*

We just added another subsubsection

*Facilities:* Chandra

*Software:* CIAO, LIRA, VorBin

## REFERENCES

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| <p>Aguerri, J. A. L., Beckman, J. E., &amp; Prieto, M. 1998, AJ, 116, 2136, doi: <a href="https://doi.org/10.1086/300615">10.1086/300615</a></p> <p>Bell, E. F., Phleps, S., Somerville, R. S., et al. 2006a, ApJ, 652, 270, doi: <a href="https://doi.org/10.1086/508408">10.1086/508408</a></p> <p>Bell, E. F., Naab, T., McIntosh, D. H., et al. 2006b, ApJ, 640, 241, doi: <a href="https://doi.org/10.1086/499931">10.1086/499931</a></p> | <p>Bernardi, M., Nichol, R. C., Sheth, R. K., Miller, C. J., &amp; Brinkmann, J. 2006, AJ, 131, 1288, doi: <a href="https://doi.org/10.1086/499522">10.1086/499522</a></p> |
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