# 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,

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