

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 ([Erwin & Debattista 2017](#); [Falchi et al. 2016](#)).

A 3rd sentence in the background.

In Section [1.2.1](#), we discuss the goal of our project.

Here is a comment, see if it changes color like it is supposed to.

1.1. *Motivation*

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

1.2. *more motivation*

second sentence under motivation.

Third sentence right here right NOW!!

4th sentence

5th sentence here

1.2.1. *Goals*

First sentence in this section underneath Goals.

2. METHODS

something, something

2.1. *underneath methods*

First sentence in methods section.

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Facilities: Chandra

Software: CIAO, LIRA, VorBin

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