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

Alejandro S. Borlaff¹ and Pamela M. Marcum²

¹Bay Area Environmental Research Institute, Moffett Field, CA 94035, USA

²NASA Ames Research Center, Moffett Field, CA 94035, USA

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.

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)

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

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Aguerri, J. A. L., Beckman, J. E., & Prieto, M. 1998, AJ, 116, 2136, doi: 10.1086/300615

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

Bernardi, M., Nichol, R. C., Sheth, R. K., Miller, C. J., & Brinkmann, J. 2006, AJ, 131, 1288, doi: 10.1086/499522
Erwin, P., & Debattista, V. P. 2017, MNRAS, 468, 2058, doi: 10.1093/mnras/stx620
Falchi, F., Cinzano, P., Duriscoe, D., et al. 2016, , 2, e1600377,

doi: 10.1126/sciadv.1600377