

# **A Cryogenic Testing Environment for SPT-3G**

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## **ABSTRACT**

This is the abstract.

### **1. Introduction**

This is the introduction.

### **2. Background**

You want some background? Here's some background.

### **3. Testing Environment**

May as well talk about the cryostat for a bit

### **4. Readout Chain**

SQUIDS 4 dayz.

### **5. Data Processing**

Looking towards the future!

## **REFERENCES**

Addison, G. E., Huang, Y., Watts, D. J., et al. 2015, arXiv:1511.00055 [astro-ph]

- Samtleben, D., Staggs, S., Winstein, B. 2007, in Annual Review of Nuclear and Particle Science, 245-283
- Bender, A. N., Cliche, J. F., Haan, T., et al. 2014, arXiv:1407.3161 [astro-ph]
- Henning, J. W., Ade, P., Aird, K. A., et al. 2012, arXiv:1210.4969 [astro-ph]
- Dobbs, M. A., Lueker, M., Aird., K. A., et al. 2012, Review of Scientific Instruments, 83, 7
- Benson, B. A., Ade, P. A. R., Ahmed, Z., et al. 2014, arXiv:1407.2973 [astro-ph]
- Ruhl, J. E., Ade, P. A. R., Carlstrom, J. E., et al. 2004, arXiv:astro-ph/0411122