

## Entropy and mass distribution in relaxed galaxy groups and clusters

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**M. Sun, W. Forman, A. Vikhlinin, M. Markevich, C. Jones and S. S. Murray**

*Harvard-Smithsonian Center for Astrophysics*

We present the results of entropy and mass distribution several galaxy groups and clusters based on Chandra and other data. It is found that the inner entropy profiles of galaxy groups are similar to inner entropy profiles of hot clusters with a cooling core. Variations are found in the inner entropy profiles of these systems, which reflect differences in the physical states of their gas cores. The gas fraction and best fitted mass model in these systems are also discussed. We acknowledge support from Chandra grant

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