

P16 XMM Newton Observations of Cool-Core Cluster A1437

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Clusters of galaxies carry important astrophysical and cosmological information on the formation history of the large scale structure and the estimates of cosmological parameters. Among others, mass of clusters is the most fundamental quantities. In this work, assuming spherical symmetry and hydrostatic equilibrium, we present the surface brightness, hydrostatic mass and gas mass fraction of the cool-core cluster Abell 1437 observed with XMM-Newton.

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