**Dark Matter in Abell 1835**

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Dark matter can be inferred, and calculated in a variety of different ways. In this paper, we will be using the Virial Theorem to determine the mass of Abell 1835 from X-ray data collected by the *Chandra* X-ray Observatory. Using the Virial Theorem and mass estimates for the X-ray emitting gas will provide a value for missing mass in this cluster.