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Micro- vs Macroscopic Transport in Clusters

Thursday 18 August 2022 09:00 (25 minutes)

I will discuss large scale transport in the ICM, mitigated by AGN jet feedback, and how it affects the evolution of thermal and non-thermal plasma in ICM and, in turn, the X-ray and radio properties of clusters. In particular, I will address the ability of AGN feedback to enhance conductive heat transport through a mechanism akin to the way geothermal heat pumps operate, based on a set of MHD feedback simulations of the Perseus Cluster.

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