

SAIP2014



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AGN vs star formation in Brightest Cluster Galaxies

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Abstract :

I will describe our observational programme on the Southern African Large Telescope (SALT), that measures the (sometimes weak) emission lines in BCGs in unprecedented detail. Our sample consists of star forming BCGs, and have existing host cluster data from the X-ray regime available, but lacks wide-wavelength, deep emission-line data that will allow us to test models for the dominant ionization processes, excitation sources, morphology and kinematics of the gas. This, combined with the multi-wavelength data, will form a complete view of the different phases and how they interact in the processes of star formation and feedback detected in central galaxies in cooling flow clusters.

Award :

No

Level :

N/A

Paper :

Yes

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