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Cavity Detection Tool (CADET)

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The study of jet-inflated X-ray cavities in early-type galaxies provides a powerful insight into the energetics of galactic atmospheres and the AGN feedback phenomenon. Properly estimating their total extent is, however, non-trivial, prone to biases and nearly impossible for poor-quality data. We present a novel and automatized method developed for producing unbiased size estimates of X-ray cavities from raw Chandra images.

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