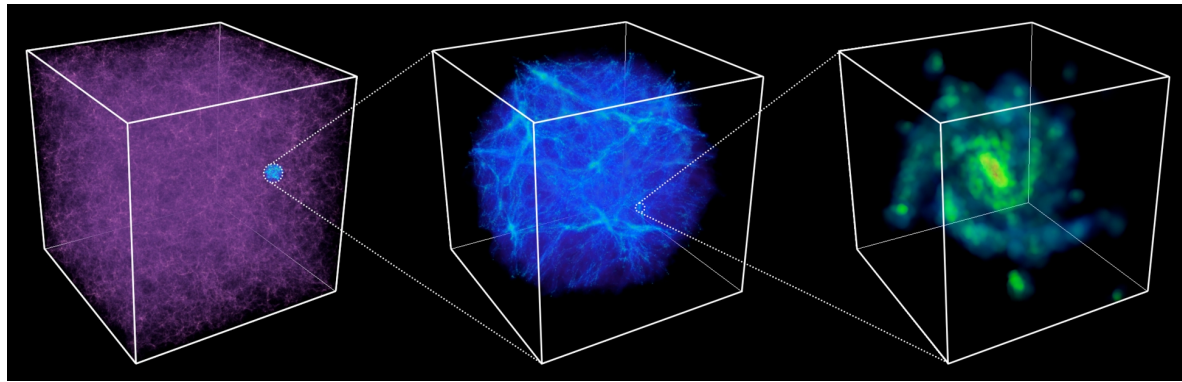


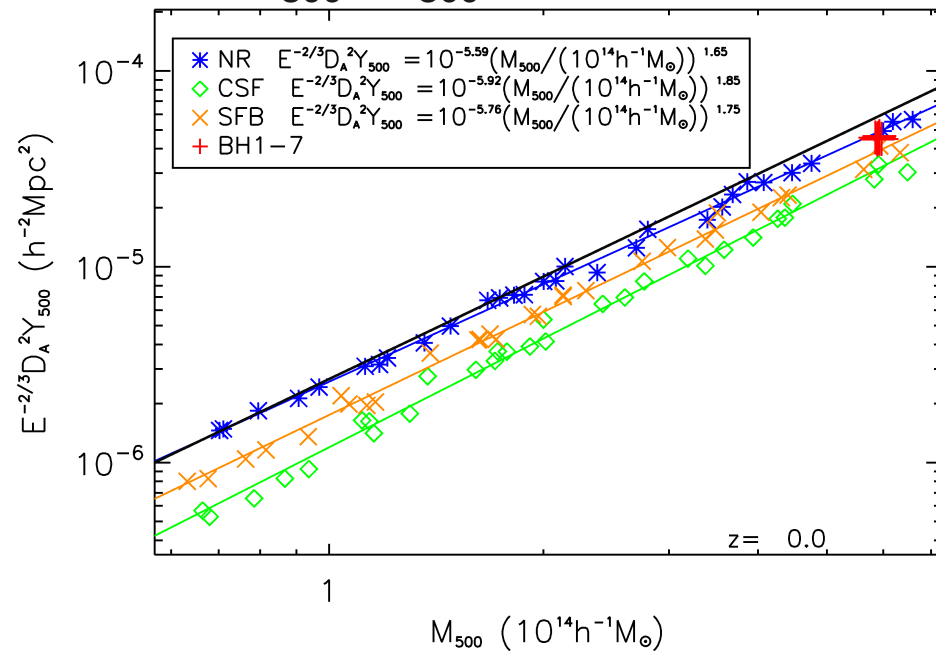
Simon Pike: Cluster Zoom Re-Simulations



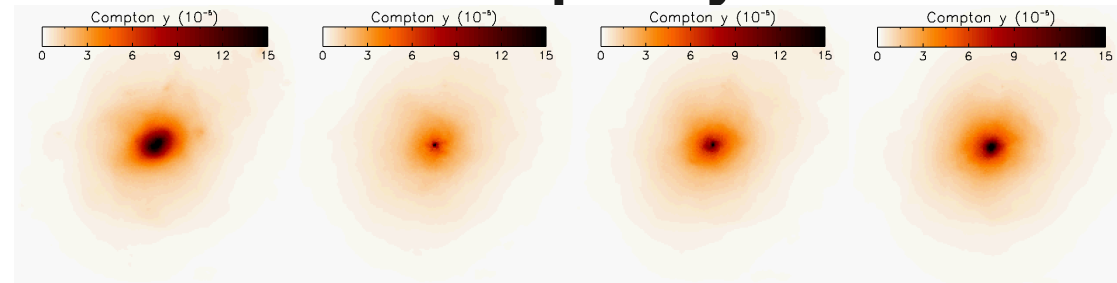
- Cluster Zoom Re-simulations, using different models, focusing on cooling and feedback.

- Match observations, such as profiles, and scaling relations.

Y_{500} - M_{500} Relation



Compton y



Non-Radiative (NR) **Cooling Star Formation (CSF)** **Supernova Feedback (SFB)** **Black Hole Feedback (BH5)**

Mass-Weighted Temperature

