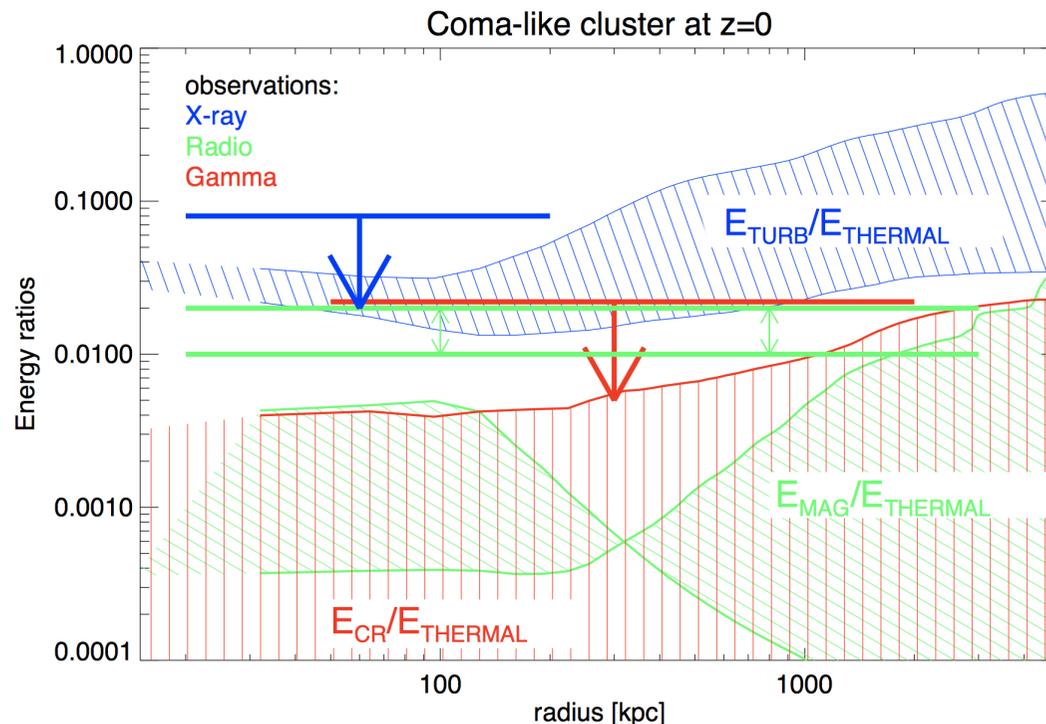


# What are the properties of turbulence in the outer regions of clusters? (JUST TAKEN)



- The turbulent pressure support at the periphery of galaxy clusters is not well known: it can be from  $\sim 3\%$  to  $\sim 50\%$  of the gas pressure.
- We must think of ad-hoc analysis technique to better disentangle laminar bulk motions from small-scale turbulent ones.
- Relevant for mass modelling from X-ray/SZ observations
- Methods: high resolution ENZO simulations + filtering techniques (in real & Fourier space)



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Resources:

- <https://arxiv.org/pdf/1202.5882.pdf>
- <https://arxiv.org/pdf/1610.00129.pdf>
- <https://vimeo.com/171562417>
- <https://vimeo.com/213045158>