
New Cluster simulation with NewHorizon resolution

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Abstract

The YZiCS zoom-in cluster simulation using Ramses turned out to be useful to study galaxy evolution in dense environments. But with its 1kpc force-calculation spatial resolution, it is severely limited to tackle important questions on galaxy structure evolution. We are proposing to perform a new cluster simulation using the physics prescriptions and the spatial resolution adopted by NewHorizon. This will be the highest resolution cluster simulation to date. I will discuss the strategy and scientific goals.

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