

Combined Thermal and Kinetic AGN Feedback in OpenGADGET

Wednesday, 31 July 2024 10:00 (30 minutes)

We study different numerical implementations of distributing the feedback energy from a central SMBH to the surrounding gas. We have incorporated a new sub-resolution model for the switching between thermal and kinetic AGN feedback modes depending on the BH accretion rate. Test simulations are being performed with cases of only thermal feedback, only kinetic feedback, and the combined thermal-kinetic scheme. In the meeting, I expect to present some results from these simulations of various AGN feedback models.

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