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AGN Feedback from Jets of Different Composition

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Feedback from AGN jets is critical for heating the intracluster medium (ICM) and prevent cooling catastrophe in cool-core (CC) clusters. However, the composition of AGN jets and the resulting feedback processes remain uncertain. In this talk, I will present results from our recent simulations comparing leptonic vs. hadronic jets and their implications. I will also discuss their observational signatures and whether they could allow us to distinguish the different scenarios.

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