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Non-thermal pressure in galaxy clusters: methods, models, constraints

Tuesday, 9 April 2024 14:00 (25 minutes)

I will discuss the role of non-thermal pressure support as a major source of the difference between the hydrostatic and the total “true” halo mass in galaxy clusters. I will present new models and methods to constrain the non-thermal pressure, highlighting the role of the next generation of X-ray observatories, like XRISM and Athena, in constructing a consistent picture of the formation and composition in mass and energy of galaxy clusters.

Presenter: ETTORI, Stefano