

Tracing the origin of circum-galactic Lyman alpha emission

Tuesday, 1 October 2019 11:30 (20 minutes)

I will present scientific results from a Ramses-RT zoom-in simulation of a $z=3$ galaxy, run including the implementation of Monte Carlo tracer particles recently developed by Corentin Cadiou. I will show how tracer particles can be used to identify the Lagrangian origin of the gas emitting and scattering Lyman-alpha photons, and discuss how this informs the interpretation of recent observations made by the MUSE guaranteed time observing team.

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Session Classification: Lyman A+C