

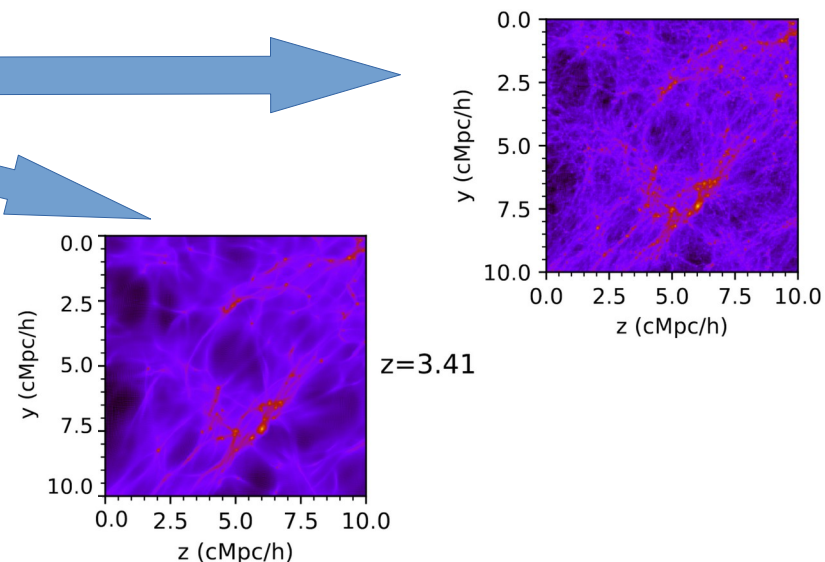
Fuzzy Dark Matter Simulations

High-z Cosmic Web Statistics

Tibor Dome, Anastasia Fialkov, Philip Mocz, Björn Malte Schäfer, Michael Boylan-Kolchin, Mark Vogelsberger [1]

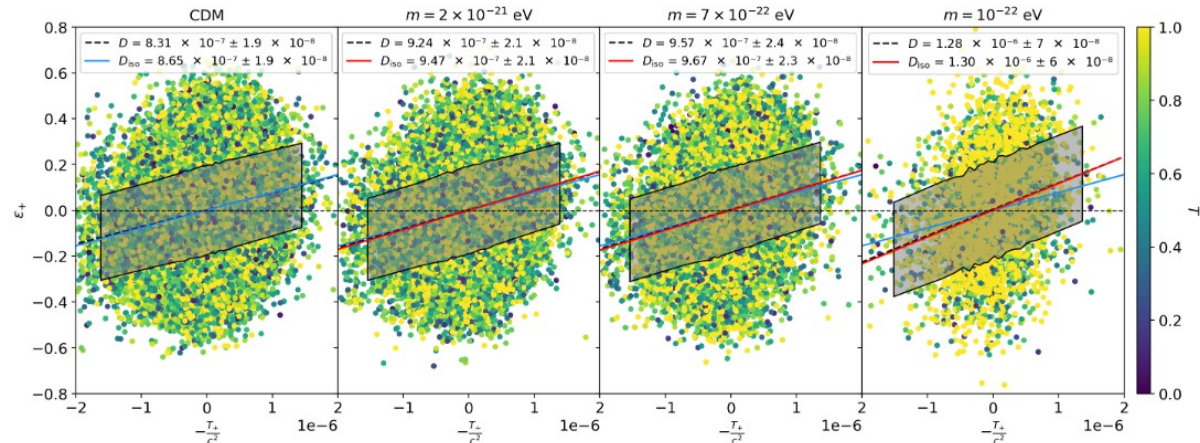


	FDM	cFDM	CDM
Quantum?	✓	✗	n.a.
Thermal Velocities?	✗	✗	n.a.
Initial Power Spectrum	AxionCAMB: w/ cutoff	AxionCAMB: w/ cutoff	CAMB
Baryons	IllustrisTNG	IllustrisTNG	IllustrisTNG
Works for	Small boxes ~ 2 Mpc	All box sizes. Here: 10 & 40 Mpc/h	All box sizes. Here: 10 & 40 Mpc/h

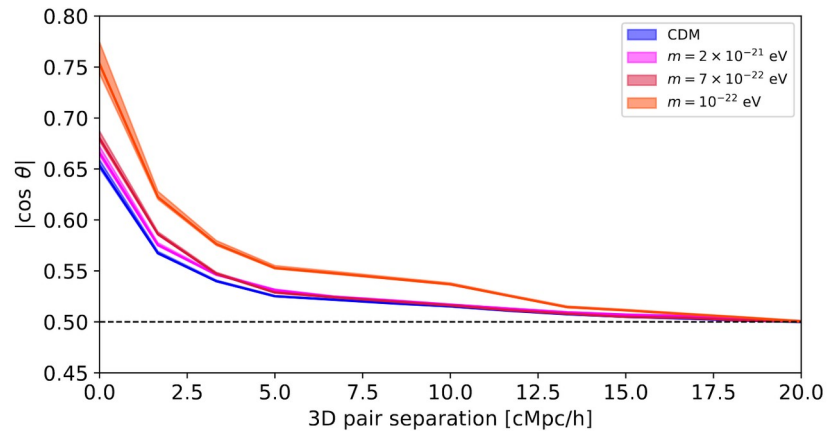


Q: How do virialised halos look like in cutoff cosmologies?

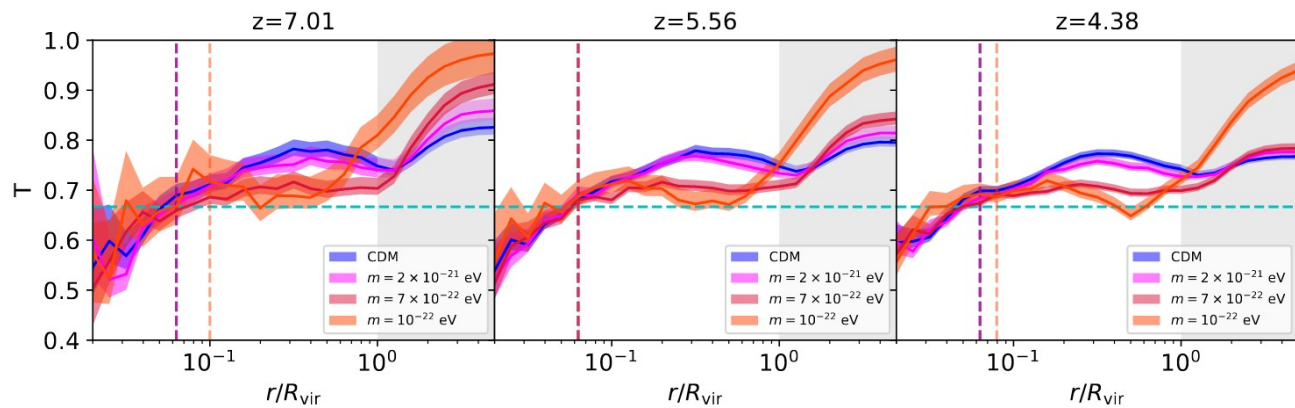
Intrinsic Alignment



Geometric Alignment



Shape Profiles



Density Profiles

