

# Cosmological Insights from Radio Wavelength Observations

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# Structure of the Universe: Simulation (IllustrisTNG)



Dark matter density



# Structure of the Universe: Simulation (IllustrisTNG)

Dark matter density + **Stellar distributions**

The IllustrisTNG Project (<https://www.tng-project.org/explore/>)



# Structure of the Universe: Simulation (IllustrisTNG)

James Webb Space Telescope:  
SMACS 0723

Credits: NASA, ESA, CSA, STScI

Dark matter density + **Stellar distributions**

The IllustrisTNG Project (<https://www.tng-project.org/explore/>)



# Structure of the Universe: Simulation (IllustrisTNG)



Gas density + Stellar distributions