

# Modern Scientific Challenges To Theory That Universe Had A "Big Bang" Beginning

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Another way you explain mature galaxies in the early universe is misinterpreting what you're seeing. 😊

<https://webbtelescope.org/contents/news-releases/2024/news-2024-134?ref=warp-news&news=true>

>>When astronomers got their first glimpses of galaxies in the early universe from NASA's James Webb Space Telescope, they were expecting to find galactic pipsqueaks, but instead they found what appeared to be a bevy of Olympic bodybuilders. Some galaxies appeared to have grown so massive, so quickly, that simulations couldn't account for them. Some researchers suggested this meant that something might be wrong with the theory that explains what the universe is made of and how it has evolved since the big bang, known as the standard model of cosmology.

According to a [new study in the Astronomical Journal](#) led by University of Texas at Austin graduate student Katherine Chworowsky, some of those early galaxies are in fact much less massive than they first appeared. Black holes in some of these galaxies make them appear much brighter and bigger than they really are.

“We are still seeing more galaxies than predicted, although none of them are so massive that they ‘break’ the universe,” Chworowsky said.<<