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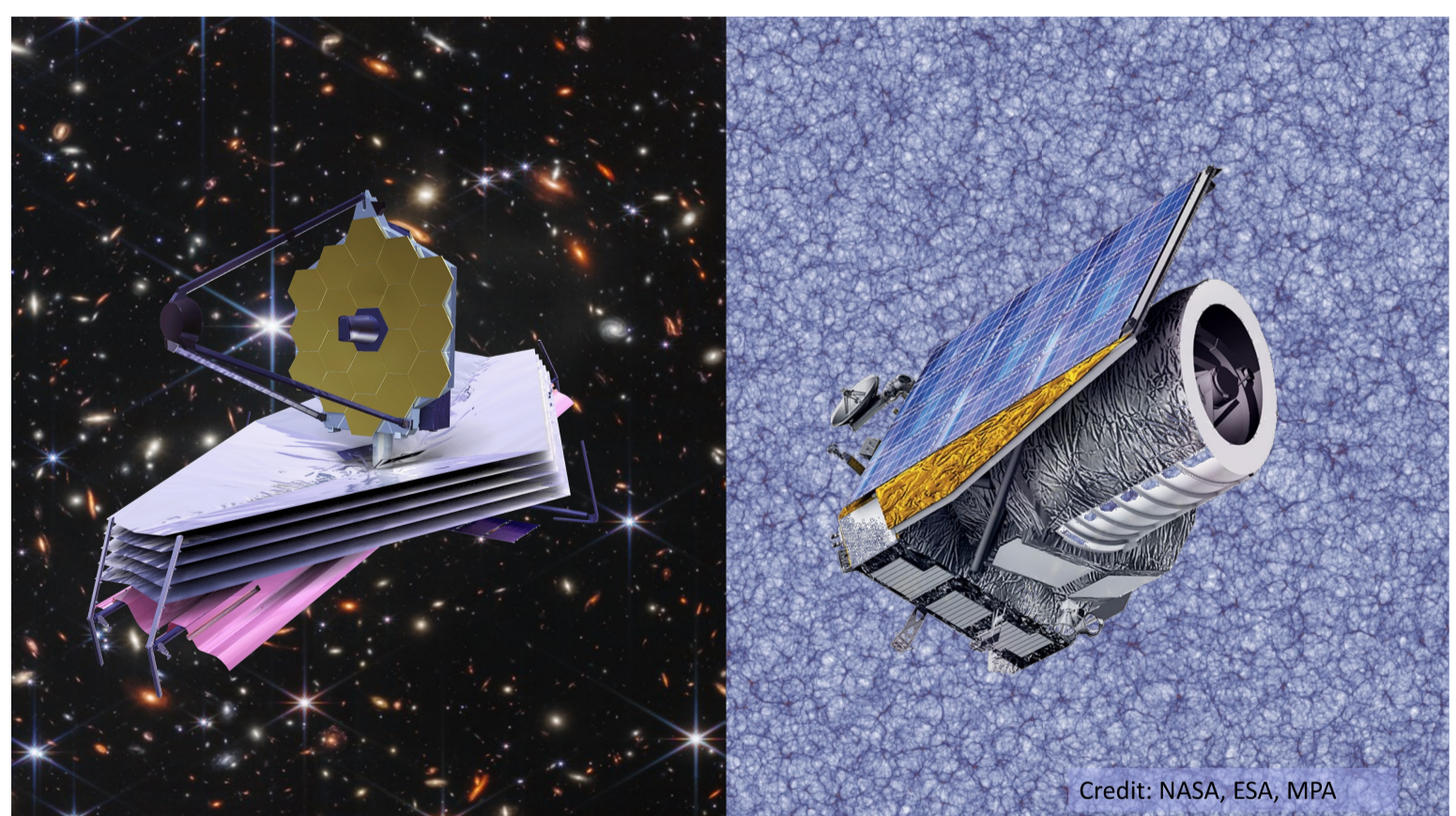
Cosmology with the James Webb and Euclid Space Telescopes

physikalisches

Mo. 29.4.24
16:00 Uhr
Ort: H34

Cosmology aims to understand both the overall geometry and composition of our Universe, and the gradual formation of structure - such as galaxies - within it. Fundamental questions are still open, such as: when and how did the first galaxies form? And, what is the nature of 'dark energy'?

After two decades of preparation, we now have two revolutionary new tools: the James Webb and the Euclid space telescopes, that have just begun to give us data that are changing our view of the cosmos. I will discuss how these missions aim to deepen our understanding of cosmology, and what first results are emerging.



The James Webb Space Telescope (left) in front of a deep image. The Euclid space telescope (right) in front of a large-scale structure simulation.