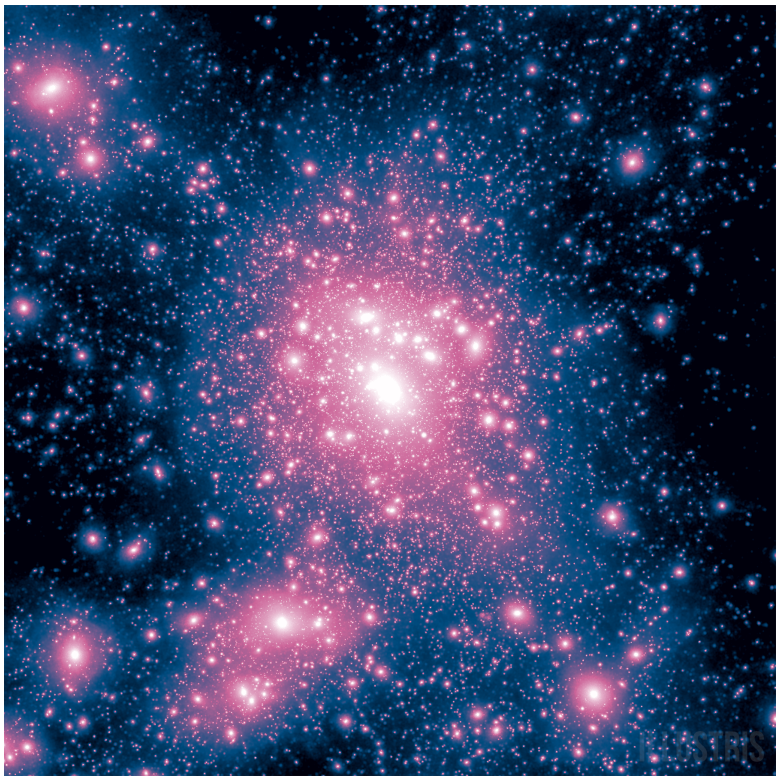
Physikalisches Institut
Fakultät für Mathematik und Physik
Albert-Ludwigs-Universität Freiburg

PHYSIKALISCHES KOLLOQUIUM

AM 04. DEZEMBER 2023 UM 17 UHR C.T.

IM GROßEN HÖRSAAL



DARK MATTER: A SIGNAL FROM THE EARLY UNIVERSE

STEFAN VOGL

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We do not understand what makes up our Universe. Precision observations of the CMB and other cosmological observations show clearly that conventional matter only accounts for about one-fifth of the total matter content of the Universe. Thus the dominant component consists of dark matter with largely unknown properties. In this talk, I'll explain how we can leverage our understanding of the dynamics in the early Universe to get additional insights into the properties of dark matter. These results inform a large experimental and observational program that aims to deepen our understanding of dark matter. I'll highlight a few of the experimental directions and discuss their potential.

AKTUELLE INFORMATIONEN FINDEN SIE HIER: WWW.PHYSIK.UNI-FREIBURG.DE

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