



University of
Zurich^{UZH}

Faculty of Science



SCHRÖDINGER

COLLOQUIUM

SERIES

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Computer reconstruction of cosmic history

Over the last 40 years computer power has increased billion-fold, enabling ever more detailed recreation of cosmic evolution. This has provided insight into the material content of our Universe, the formation of the galaxies, and the emergence of the intricate, web-like structure we see around us today. Such simulations have shown that most cosmic matter is of a kind unknown on Earth, and that all structure grew from weak sound

waves in the hot, near-uniform plasma which emerged from the Big Bang.

The overarching theme is that computer simulation has developed into an equal element of the route towards scientific “truth” alongside experiment/observation and theory/mathematical modelling.



A new series of special physics colloquia in honor of Erwin Schrödinger, who was a professor at UZH from 1921 – 1927. Lectures are intended for a broad audience from the Faculty of Science, aiming at experts and non-experts.