

COLLOQUE DE PHYSIQUE EPFL

EPFL PHYSICS COLLOQUIUM

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Room CE3

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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.

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