

ICEHAP Seminar

2015年4月20日(月)午後3:30~

会場:理学部2号館 308物理会議室

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"Supercomputer Simulations of Structure Formation in the Universe"

要旨 / abstract

I report the results of cosmological simulations of small and large scale structure formation in the Universe. First, I focus on the formation and evolution of dark matter halos near the free streaming scale, and their impact on the indirect dark matter detection experiments. Then, I show our ongoing semi-analytic galaxy formation project, utilizing a ultra large cosmological simulation (8192^3 particles) with 11 times larger volume and 4 times better mass resolution than those of the Millennium Run.