

초청강연

Quark Matter in Cosmos

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Quantum chromodynamics has been so successful in describing the strong interaction. It is now regarded as one of the great triumphs of quantum field theory and has expanded the frontiers of science to study matter in extreme conditions. Quantum chromodynamics predicts that the form of matter at high temperature or density is quark matter, which has never been observed yet.

I am going to review the current status of quark matter search in various environments and will discuss the possible signatures of quark matter in compact stars and how to observe them in cosmos.