

XVth Quark Confinement and the Hadron Spectrum



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The nature of matter in the core of the heaviest neutron stars

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The enormous density of the nuclear matter at the core of a neutron star (or proto-star) challenges our understanding of the strong interaction. There are convincing arguments that hyperons must play a role, with consequences for the equation of state, the speed of sound and observable properties. It is also possible that confinement breaks down. We will review recent progress on these issues.

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