

In-Medium Pion Properties in Isospin-Asymmetric Nuclear Matter

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Dynamical symmetry breaking of QCD's chiral symmetry is the mechanism responsible for the bulk of all hadron mass in the universe. One of the order parameters of chiral symmetry breaking is the chiral quark condensate. Theoretical model-independent calculations have shown that the absolute value of this quark condensate is reduced in nuclear medium [1]. This might be an indication of (at least partial) restoration of the chiral symmetry compared to the vacuum. The linear-order density dependence of this