

# $\bar{K}$ -Nuclear Interactions and Dynamics

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Coupled-channel  $\bar{K}N$  dynamics near threshold and its repercussions in  $\bar{K}$ -nuclear few-body systems will be briefly reviewed [1], highlighting studies of a  $K^-pp$  quasibound state. In heavier nuclei, the extension of mean-field calculations to multi- $\bar{K}$  nuclear and hypernuclear quasibound states will be discussed, concluding that strangeness in self-bound finite systems is realized through hyperons, with no room for kaon condensation [2].

[1] Update of a Review provided in arXiv:0912.2214.

[2] D. Gazda, E. Friedman, A. Gal, J. Mareš, Phys. Rev. C **80**, 035205 (2009) and references therein.

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