

# XVth Quark Confinement and the Hadron Spectrum



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## Hydrodynamics for symmetry broken phases

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When continuous symmetry is spontaneously broken, the system supports gapless Nambu-Goldstone modes. As a result, the low-energy real-time dynamics are governed by hydrodynamic theory incorporating these Nambu-Goldstone modes. In this talk, I will introduce a general framework for deriving hydrodynamic equations for symmetry-broken phases and discuss their potential application to dense quark-nuclear matter.

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