



Causal Theory of Relativistic Dissipative Hydrodynamics

http://www.firstlight.cn 2007-09-30

We present a new formalism for the theory of relativistic dissipative hydrodynamics, where covariance and causality are satisfied by in troducing the memory effect in irreversible currents. Our theory has a much simpler structure and thus has several advantages for practica l purposes compared to the Israel-Stewart theory (IS). We apply our formalism to the Bjorken model and the results are shown to be analogo us to the IS.

<u>存档文本</u>

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