

1 Lecture 1

1.1 Thermal field theory

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- Thoma, New developments and applications of thermal field theory, ArXiv:hep-ph/0010164
- Berges, Introduction to Nonequilibrium Quantum Field Theory, AIP Conf.Proc.739:3-62,2005, ArXiv:hep-ph/0409233
- Braaten and Nieto, Effective field theory approach to high temperature thermodynamics, Phys.Rev.D 51 (1995) 6990-7006, ArXiv:hep-ph/9501375

1.2 Hard Thermal loop

Le Bellac and Thoma also cover this topic extensively.

- Blaizot and Iancu, The Quark gluon plasma: Collective dynamics and hard thermal loops, Phys.Rept. 359 (2002) 355-528, ArXiv:hep-ph/0101103

2 Lecture 2

2.1 Thermal equilibrium

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2.2 Quarkonium evolution in a medium

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- Brambilla, Escobedo, Strickland, Vairo, Vander Griend and Weber, *JHEP* 05 (2021) 136, arXiv:JHEP 05 (2021) 136
- Yao and Mehen, Quarkonium in-medium transport equation derived from first principles, *Phys.Rev.D* 99 (2019) 9, 096028, arXiv:811.07027