Summary

1. The Quark-Hadron Phase Transition

   - rapid increase of ϵ and p above T_c
   - restoration of chiral symmetry
     - $\rightarrow$ vanishing of $\langle \bar{q}q \rangle^*$
     - $\rightarrow$ degeneracy of $\rho^V(\omega)$ and $\rho^A(\omega)$

2. Dileptons

   - weak final-state interaction
   - couple to vector mesons
   - 'low-mass' dileptons probe ρ, ω, ϕ
     - $\rightarrow$ 'soft-mode spectroscopy'
   - V-A mixing
   - 'Melting' of Resonances
     - $\rightarrow$ 'featureless' dilepton rates
     - $\rightarrow$ pQCD results extrapolated to low M