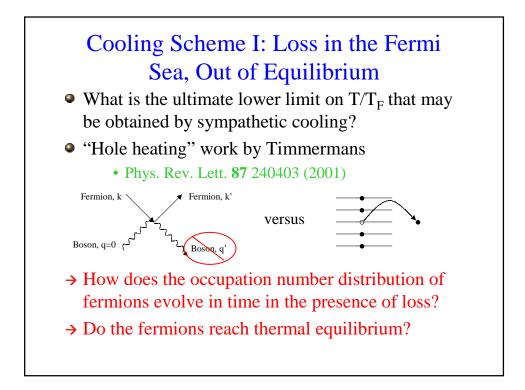
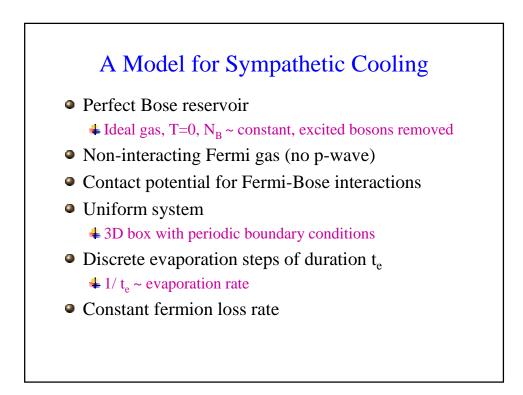
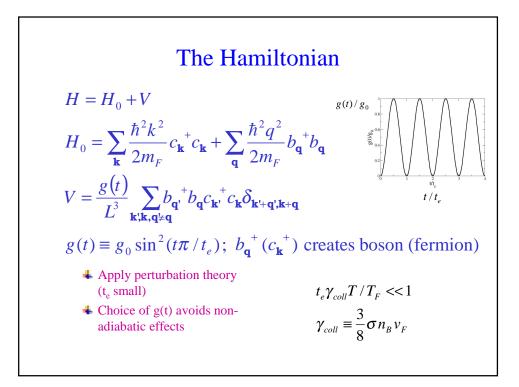


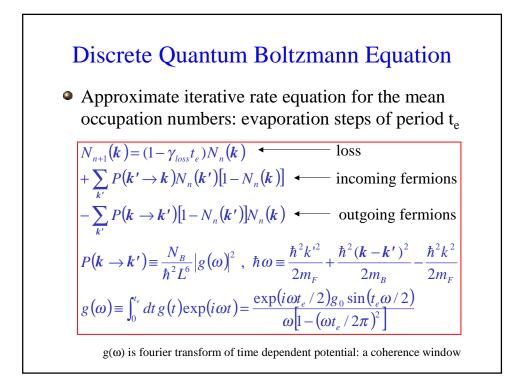
Overview: Towards a Weakly Interacting BCS Transition

- Introduction: BCS & BEC in cold quantum gases
- I. Out of equilibrium cooling and loss in the Fermi sea
- II. Heat capacity in sympathetic cooling
- III. Entropic cooling through the BEC to BCS crossover
- Conclusions and Outlook

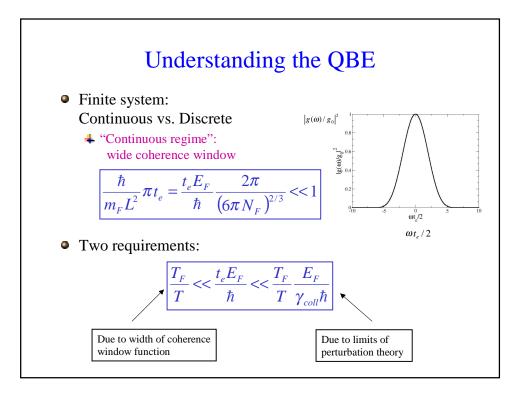


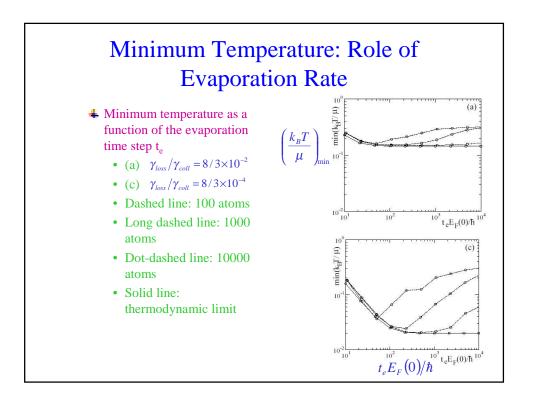


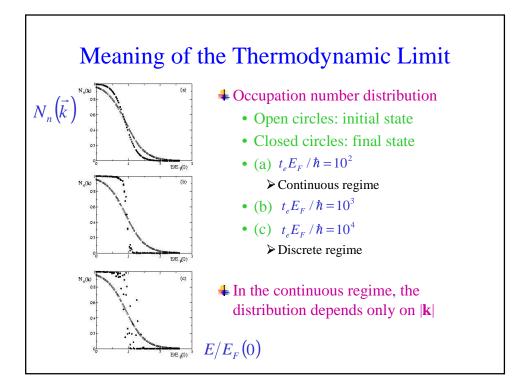


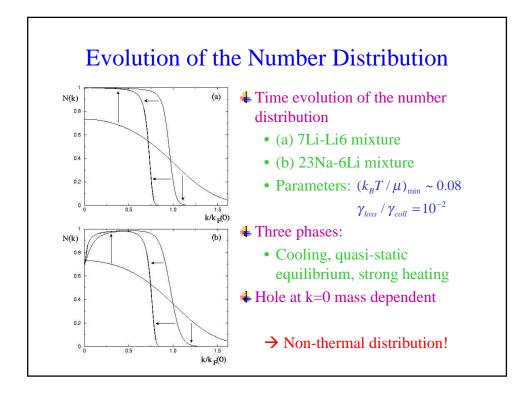


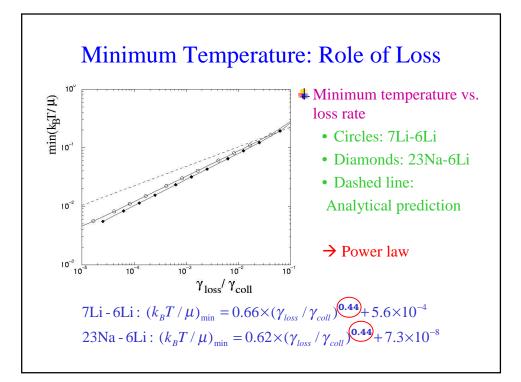
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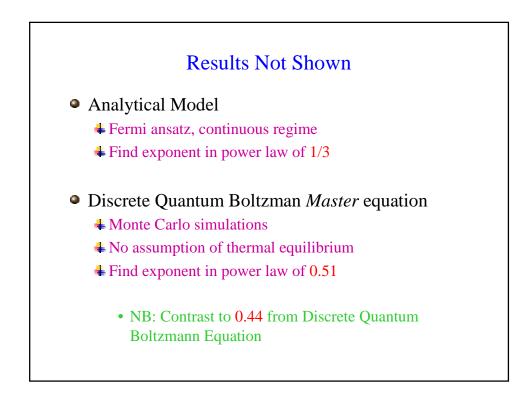


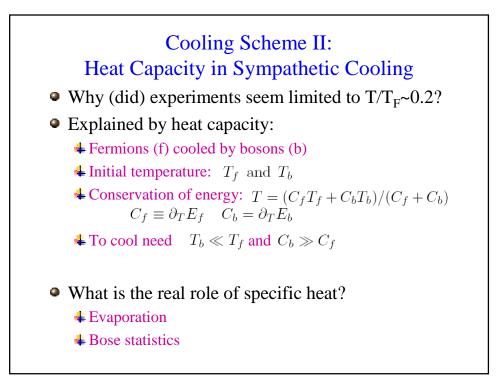


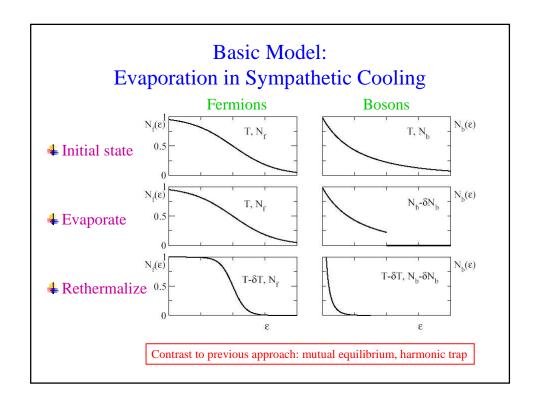


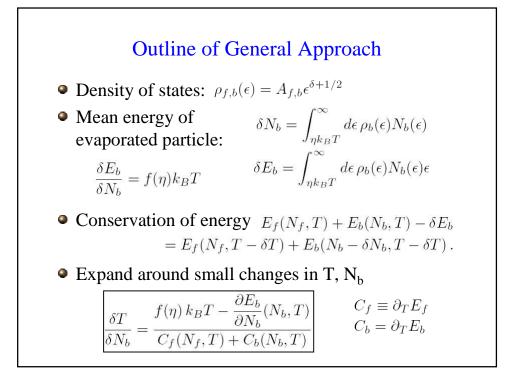


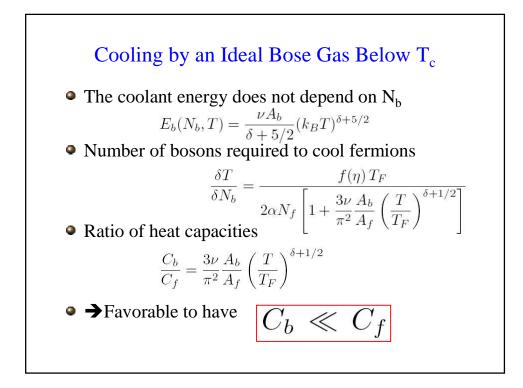




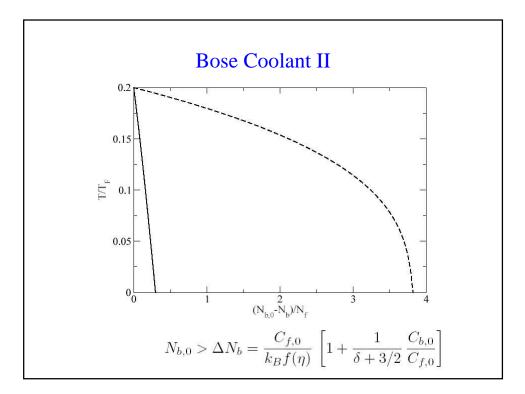


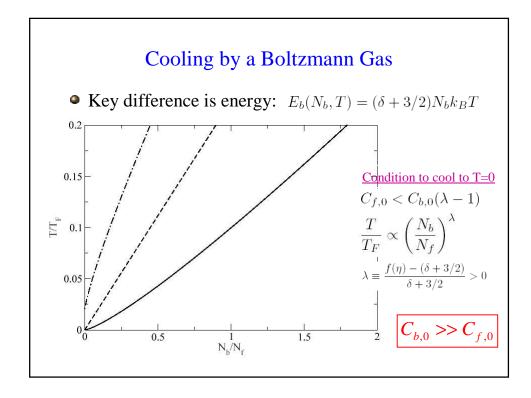






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Dr. Lincoln Carr, U Colorado Boulder (KITP Quantum Gases Program 6/24/04)

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