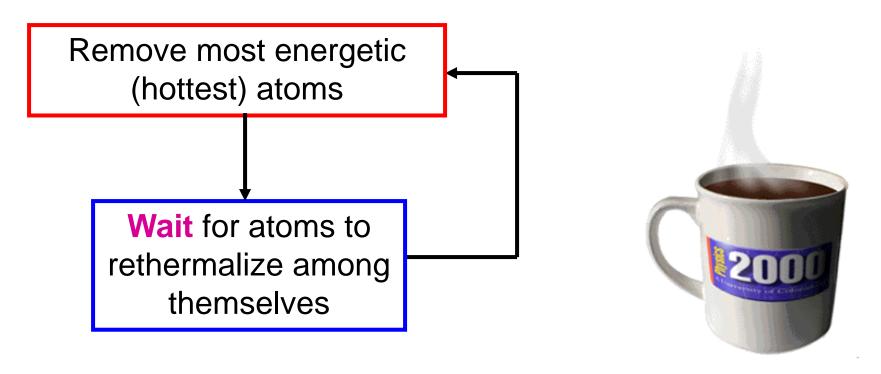
Important Dates

(undergraduate students)

- 1. Oral presentation on Tuesday, December 2.
- 2. Outline + Figures due on Tuesday, November 25.
- 3. First draft of paper due on the day of oral presentation.
- 4. Final version of paper due on Thursday, December 4.

Evaporative Cooling

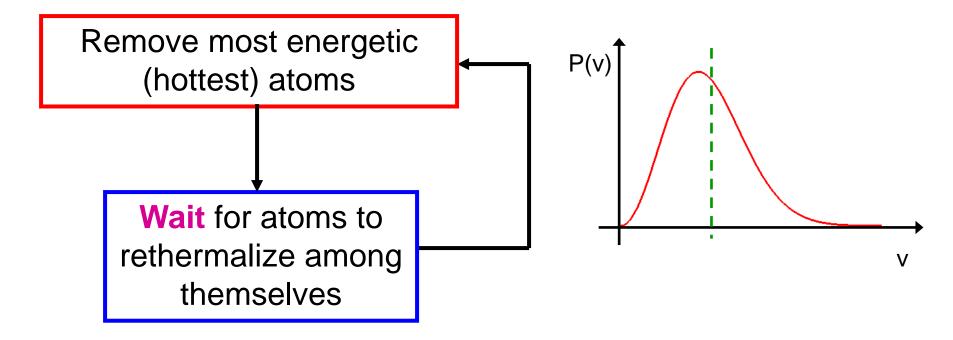


Wait time is given by the elastic collision rate $k_{elastic} = n \sigma v$

Macro-trap: low initial density, evaporation time ~ 10-30 s.

Micro-trap: high initial density, evaporation time ~ 1-2 s.

Evaporative Cooling

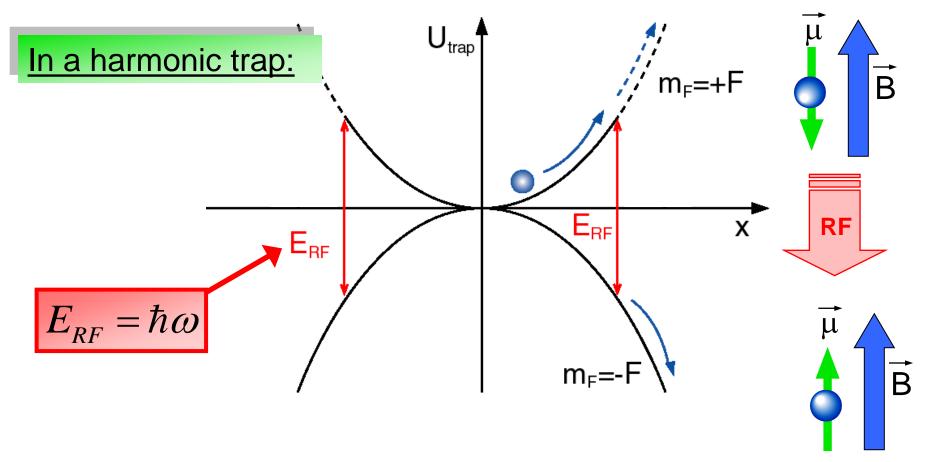


Wait time is given by the elastic collision rate $k_{elastic} = n \sigma v$

Macro-trap: low initial density, evaporation time ~ 10-30 s.

Micro-trap: high initial density, evaporation time ~ 1-2 s.

RF Evaporation



- > RF frequency determines energy at which spin flip occurs.
- Sweep RF between 1 MHz and 30 MHz.

