

# The Next Step: DEPT

- $^{13}\text{C}$  Spectrum with "edited" peaks
- Peaks can be "up", "down" or missing
- This provides info. on number of H's:
  - ❖ DEPT-45: All peaks "up" ( $\text{C}_q$  missing)
  - ❖ DEPT-90: All but CH peaks are missing
  - ❖ DEPT-135: CH,  $\text{CH}_3$  are "up",  $\text{CH}_2$  "down",  
 $\text{C}_q$  missing