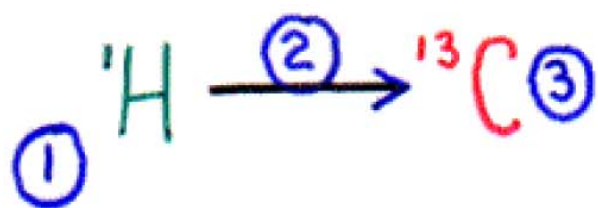


# 2-D HETCOR



$$^1J_{\text{CH}} \sim 150 \text{ Hz}$$

- ① Measure  $^1\text{H}$  chem. shift  
indirect: info. encoded
- ② INEPT transfer to  $^{13}\text{C}$   
 $^1\text{H}$  chem. shift info. also transferred
- ③ Measure  $^{13}\text{C}$  chem. shift  
direct: normal FID  
modulated by  $^1\text{H}$  chem. shift info.

Processing:

A. FT of FIDs  $\longrightarrow$   $^{13}\text{C}$  spectrum

B. "Decode"  $^1\text{H}$  chem shifts  $\longrightarrow$   
2D Matrix