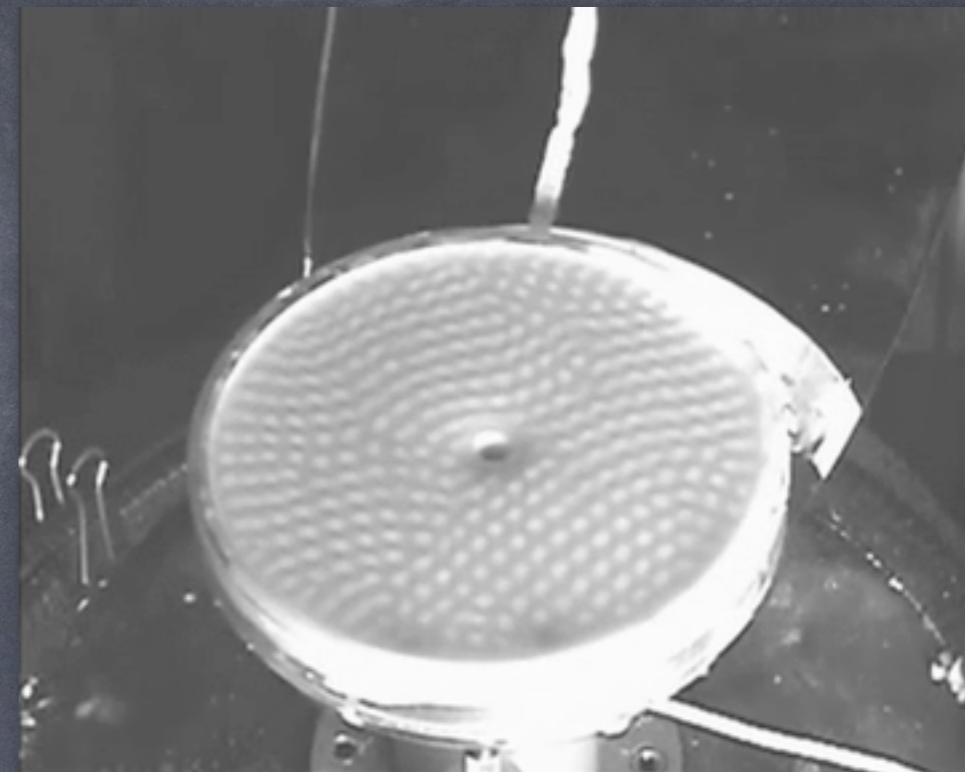
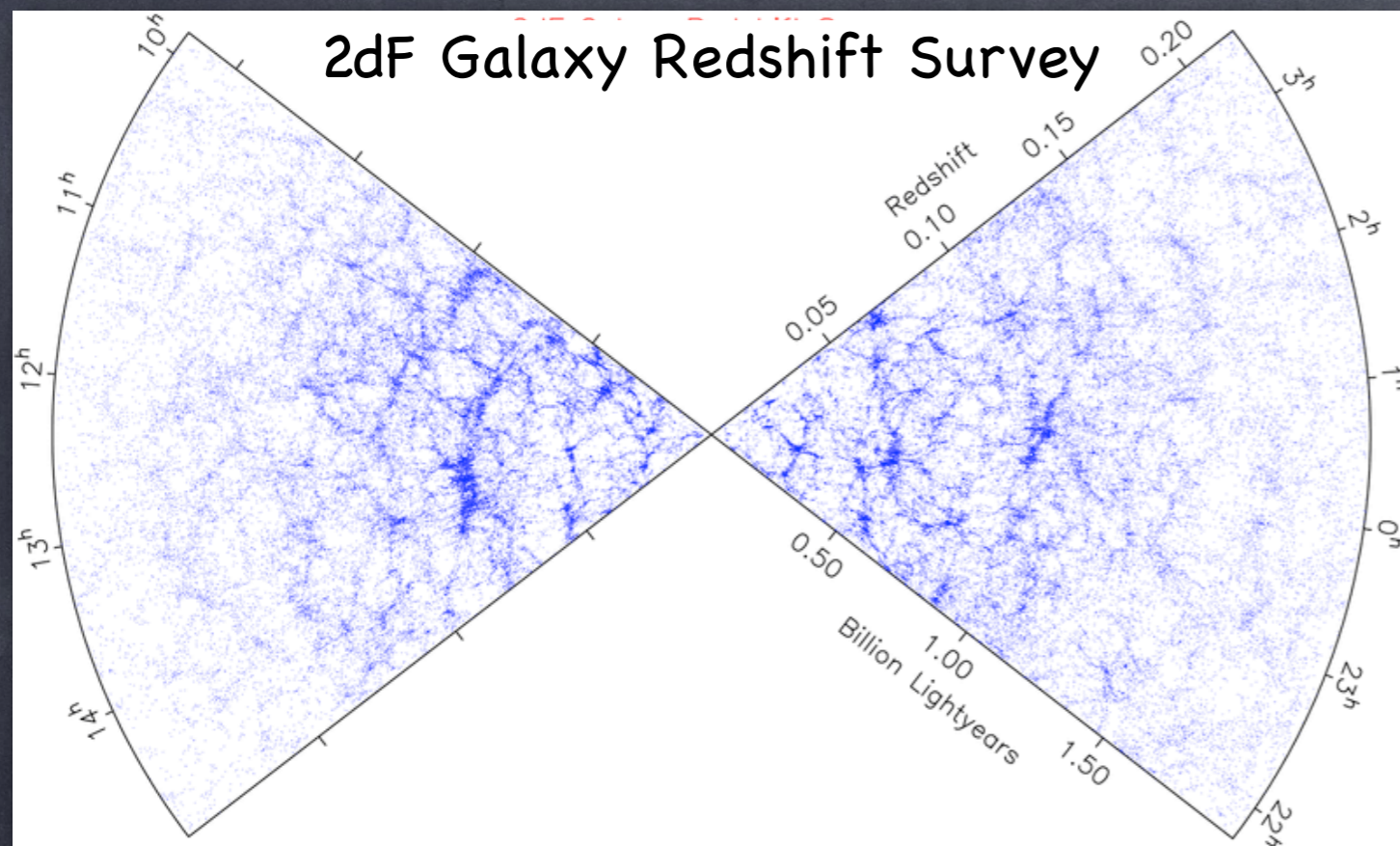
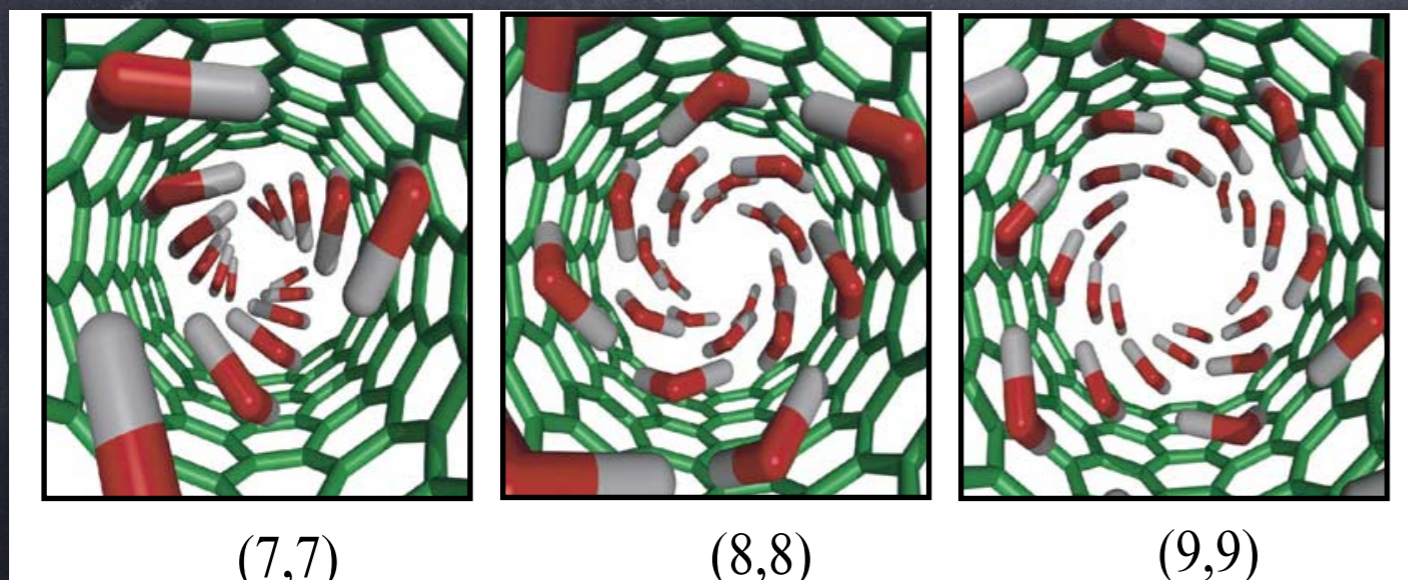


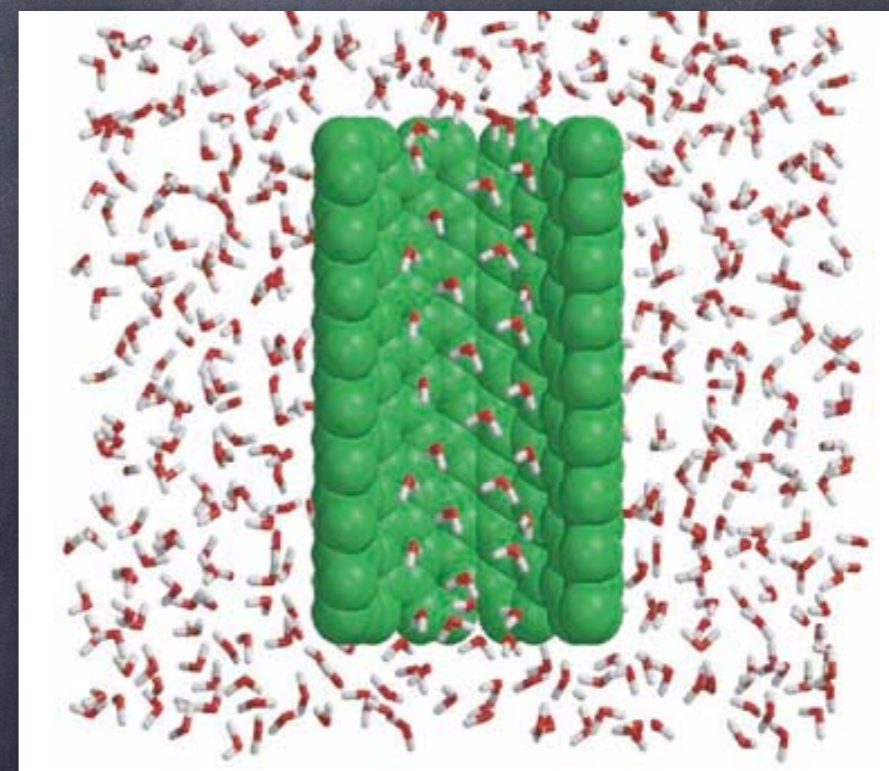
# Sistemas Carentes de Largo Alcance

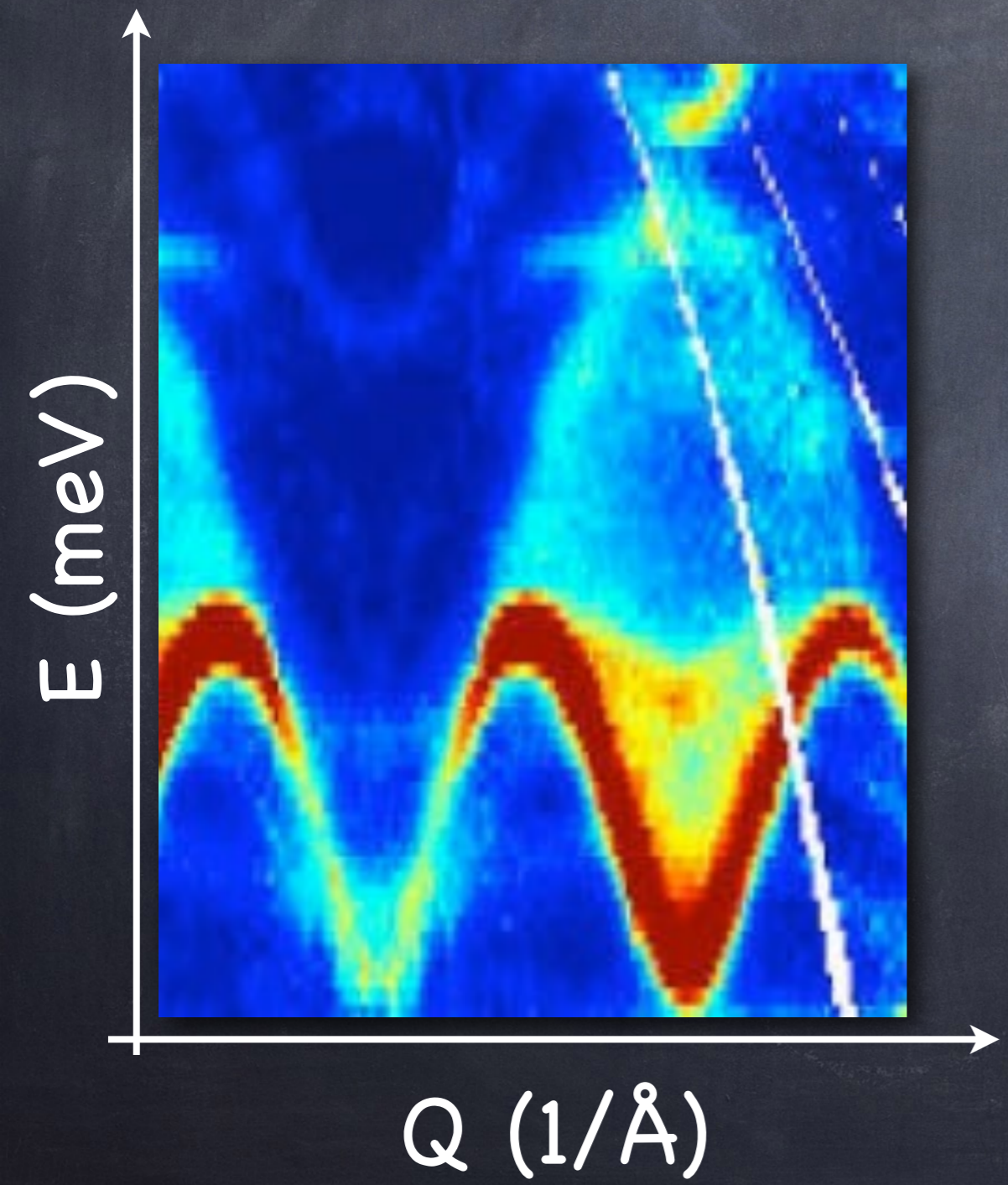
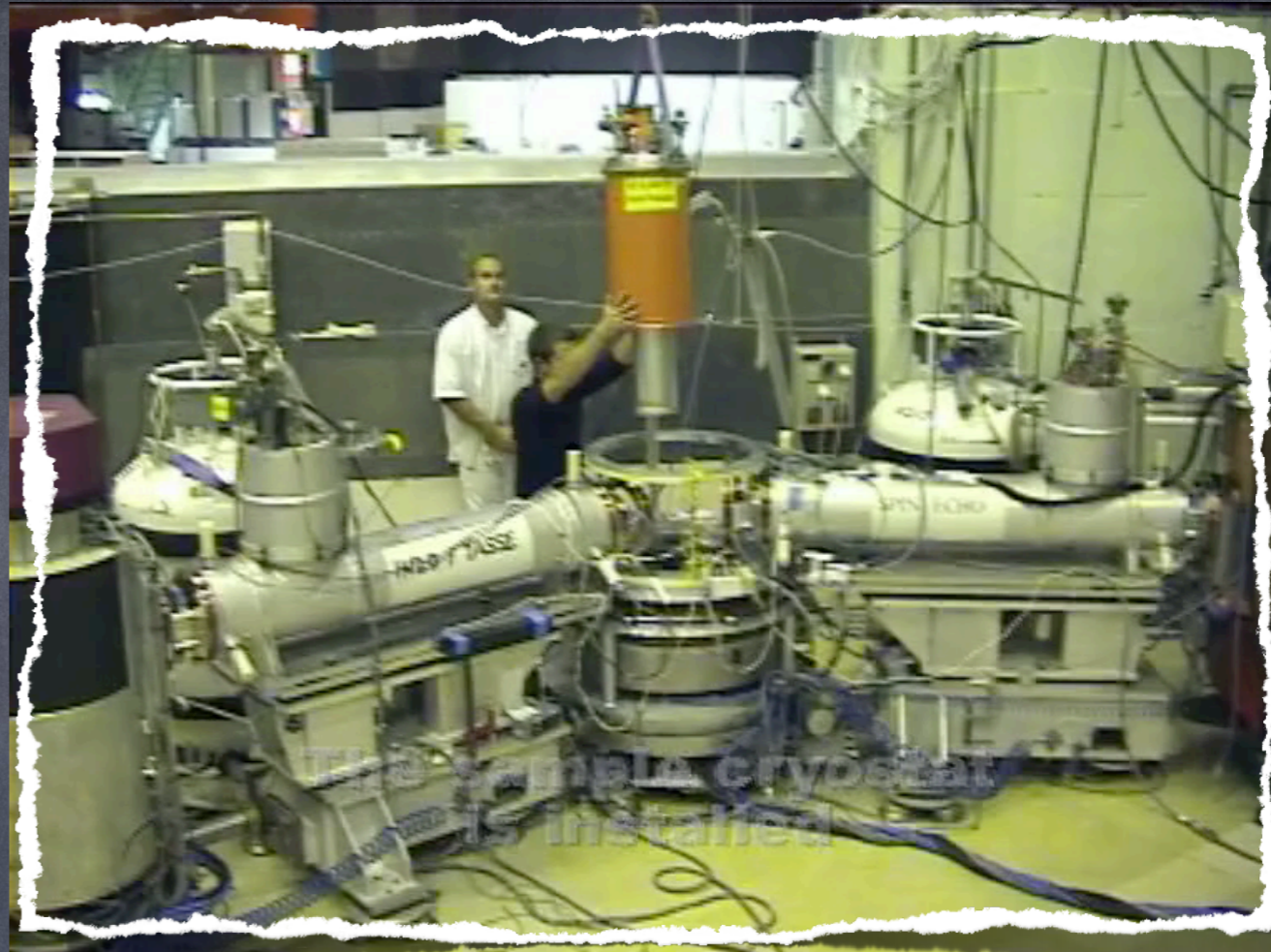


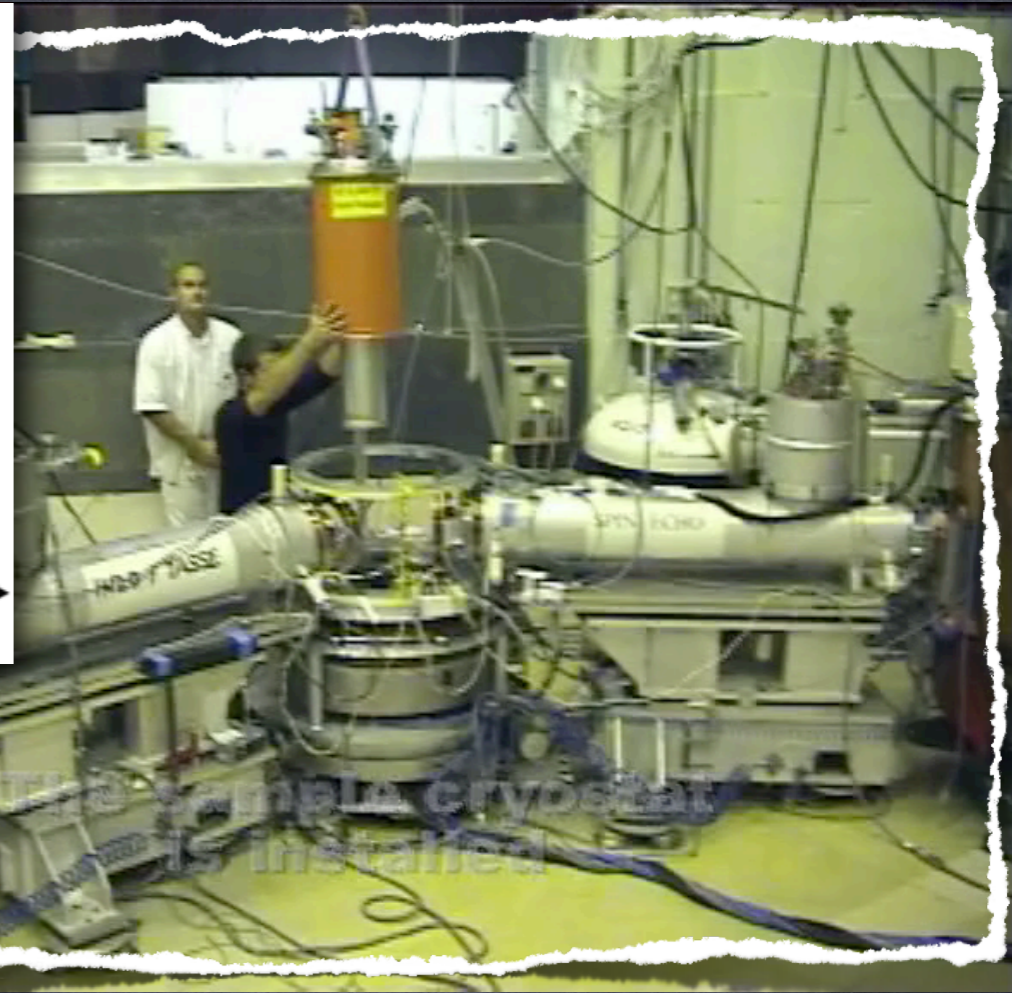
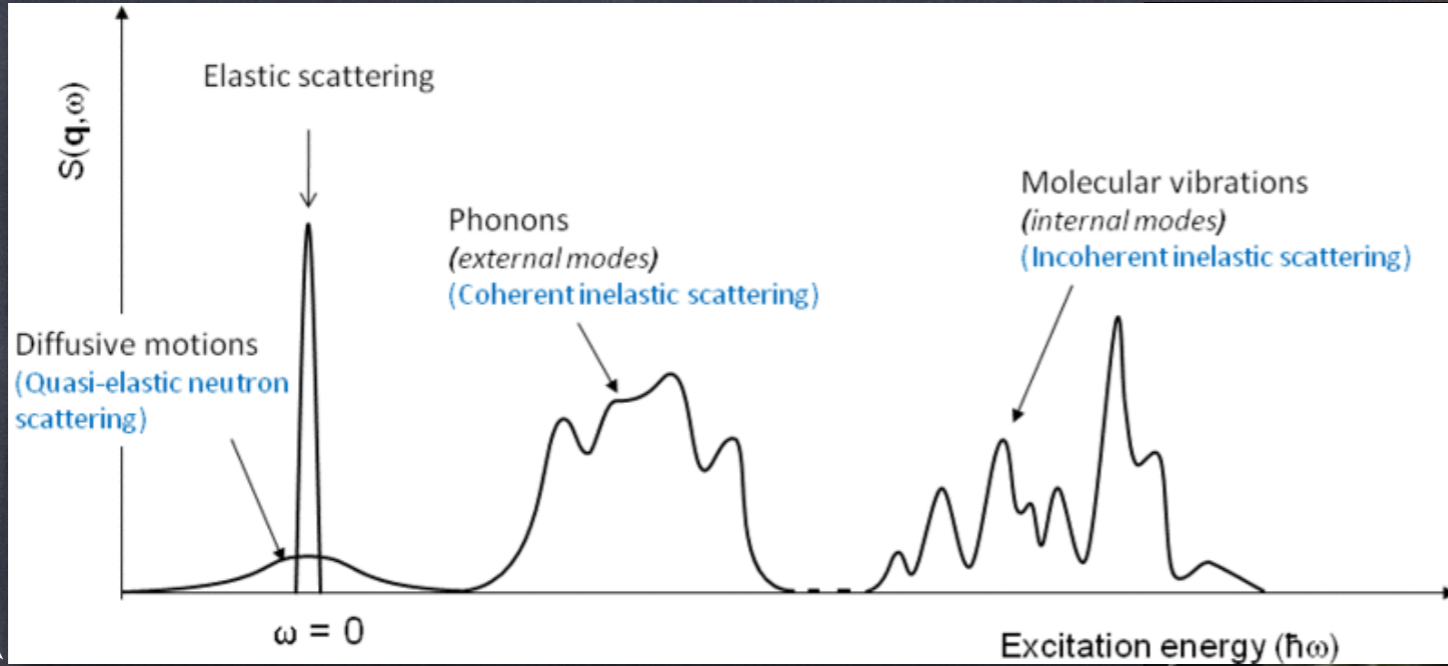
F. S. Merkt et al,  
Phys. Rev. Lett. 92 (2004) 184501



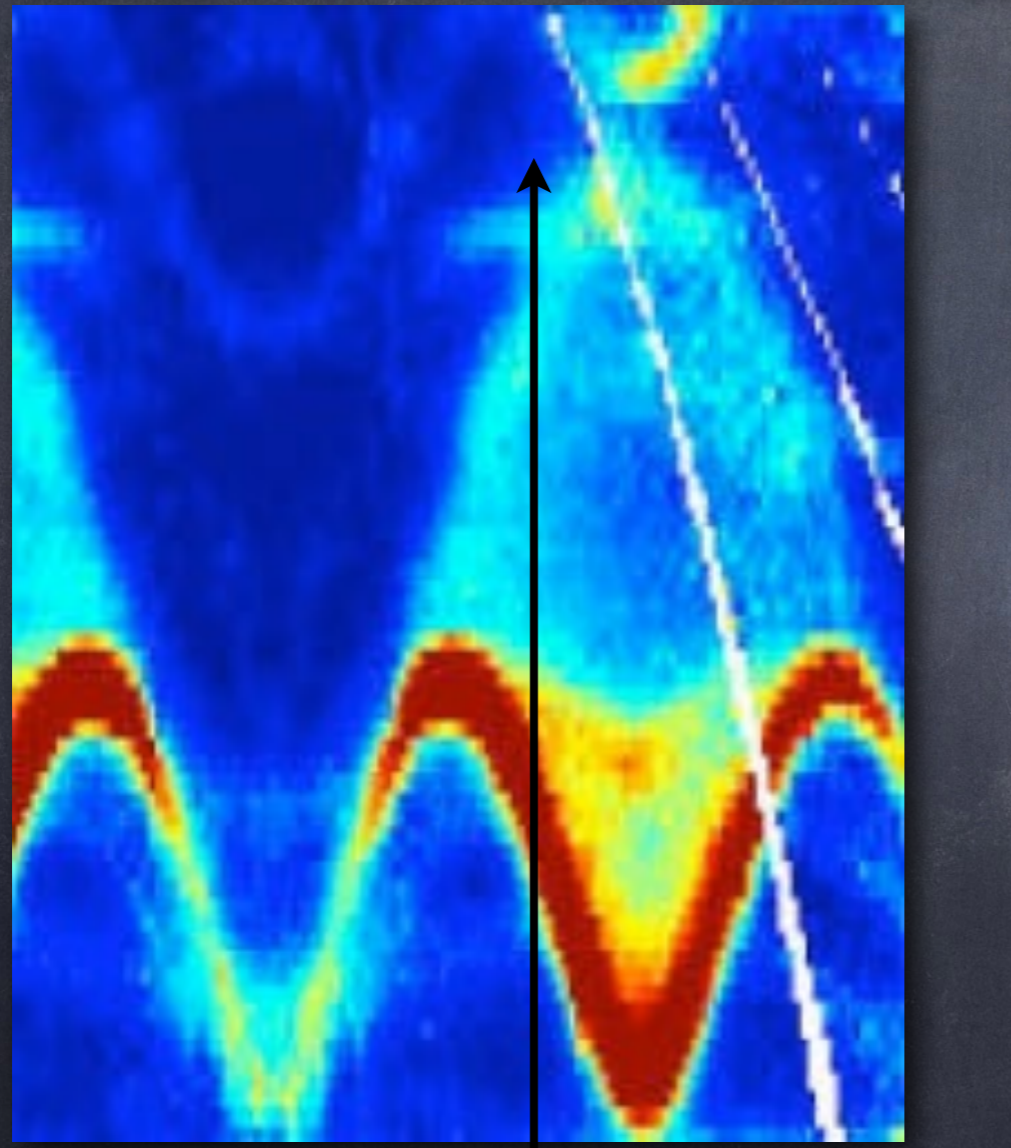
W. H. Noon et al,  
Chem. Phys. Lett. 355 (2002) 445



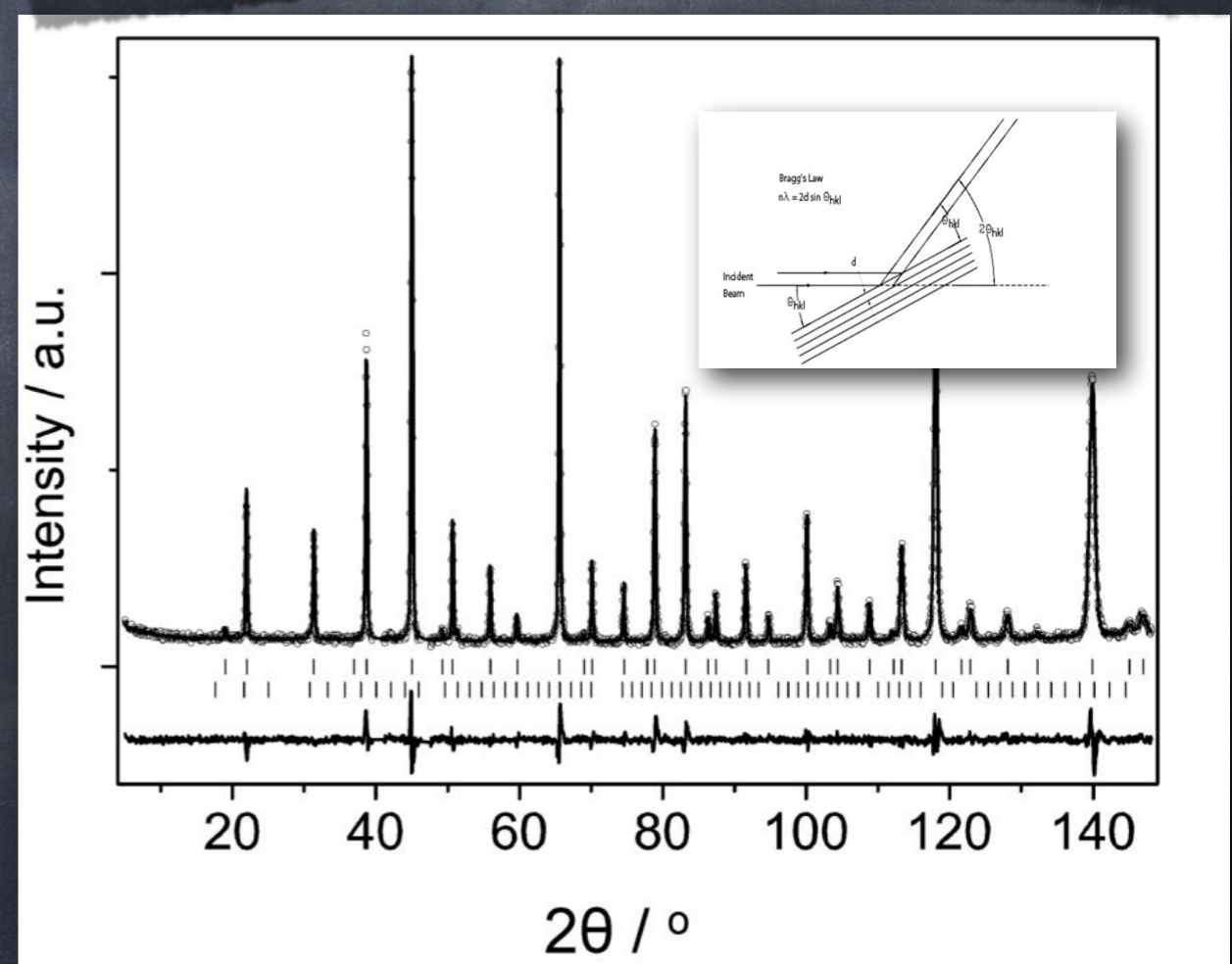
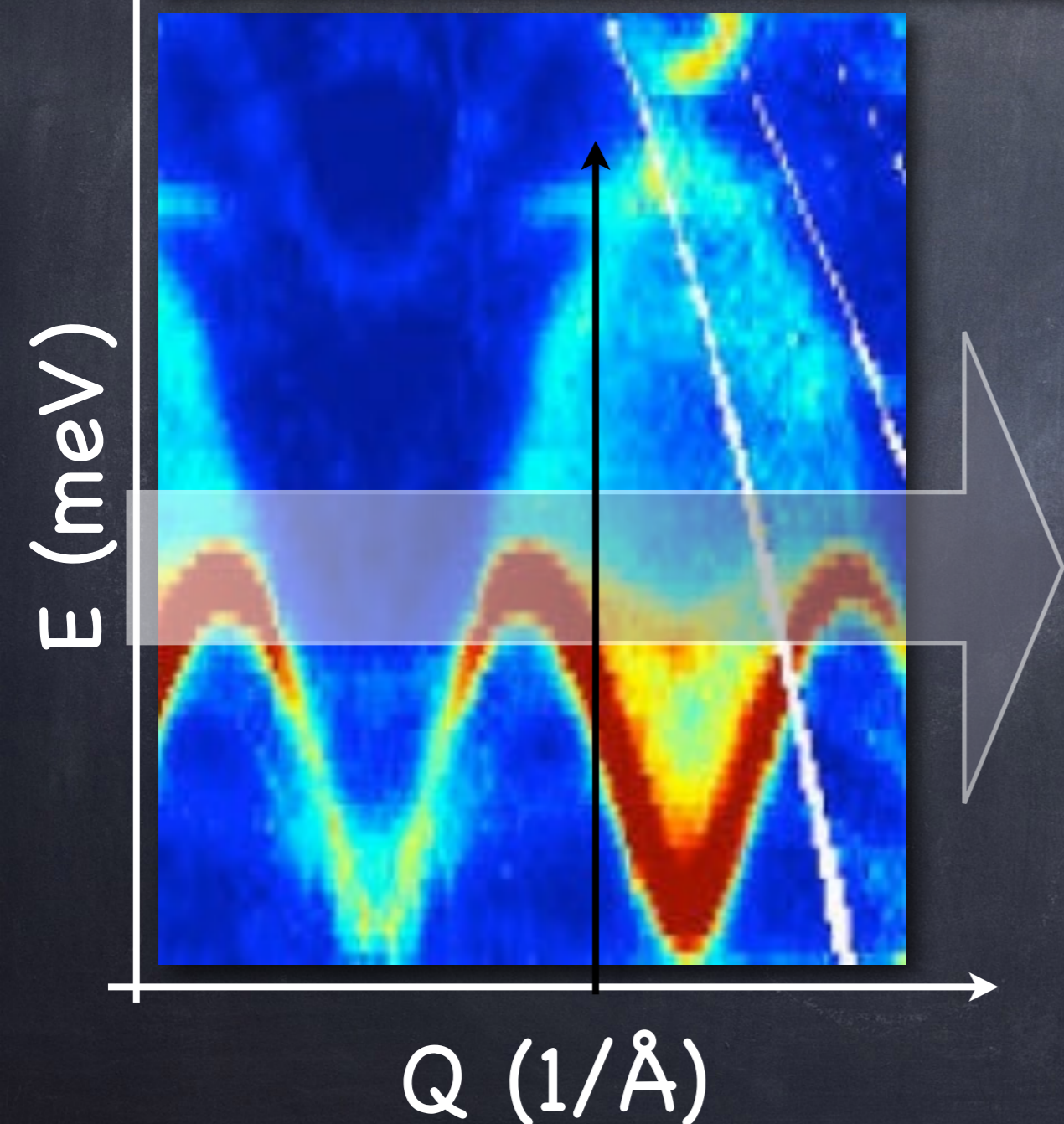
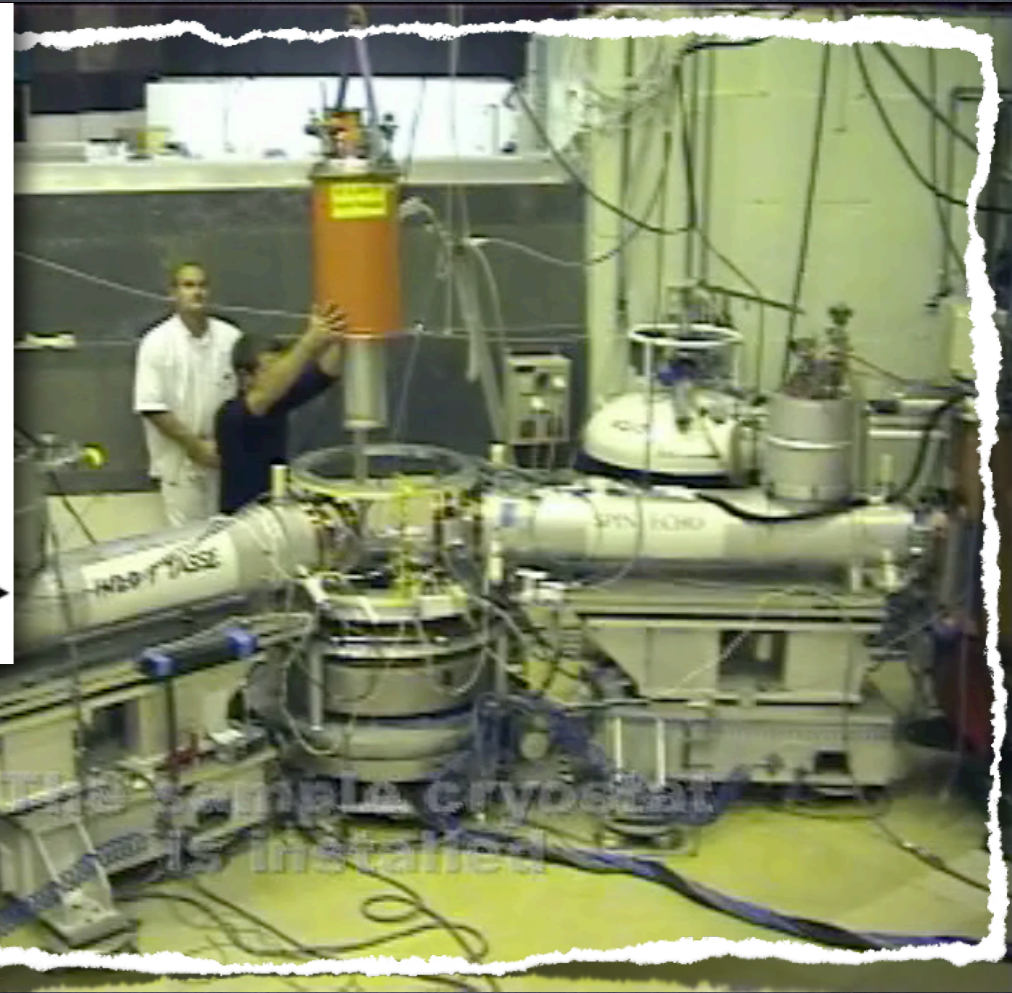
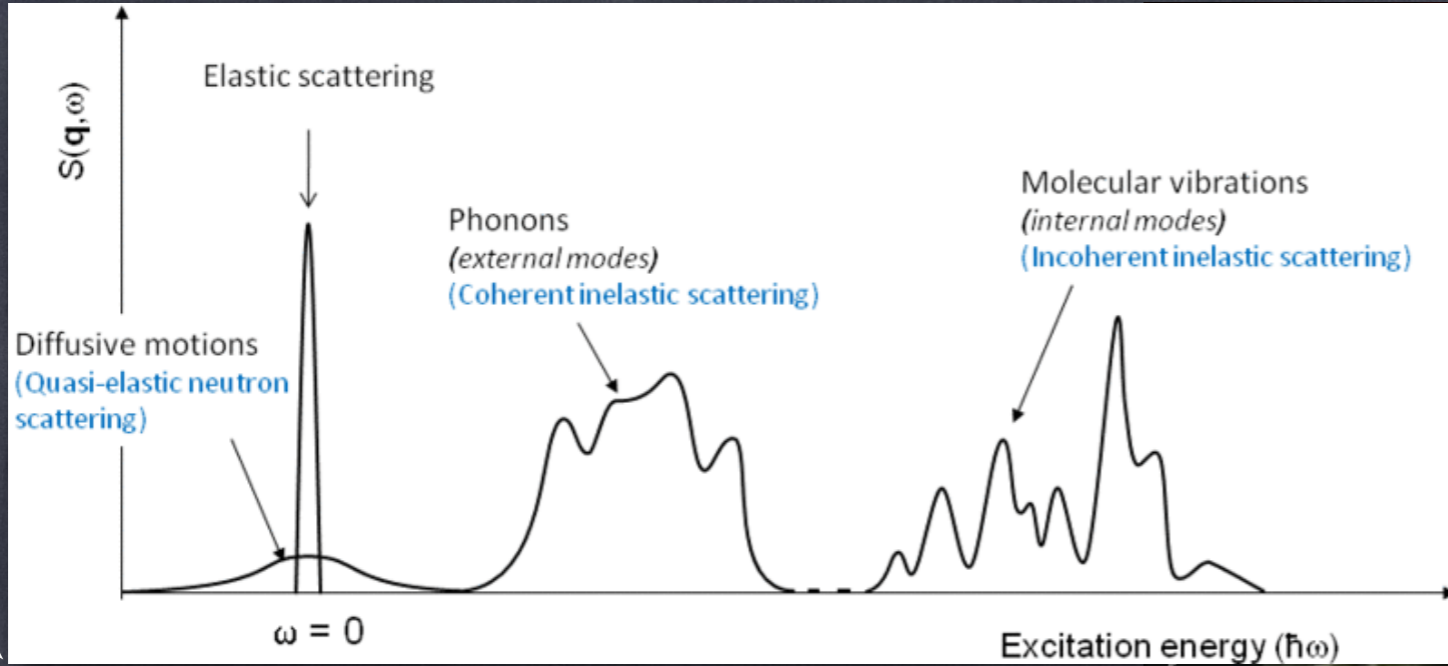




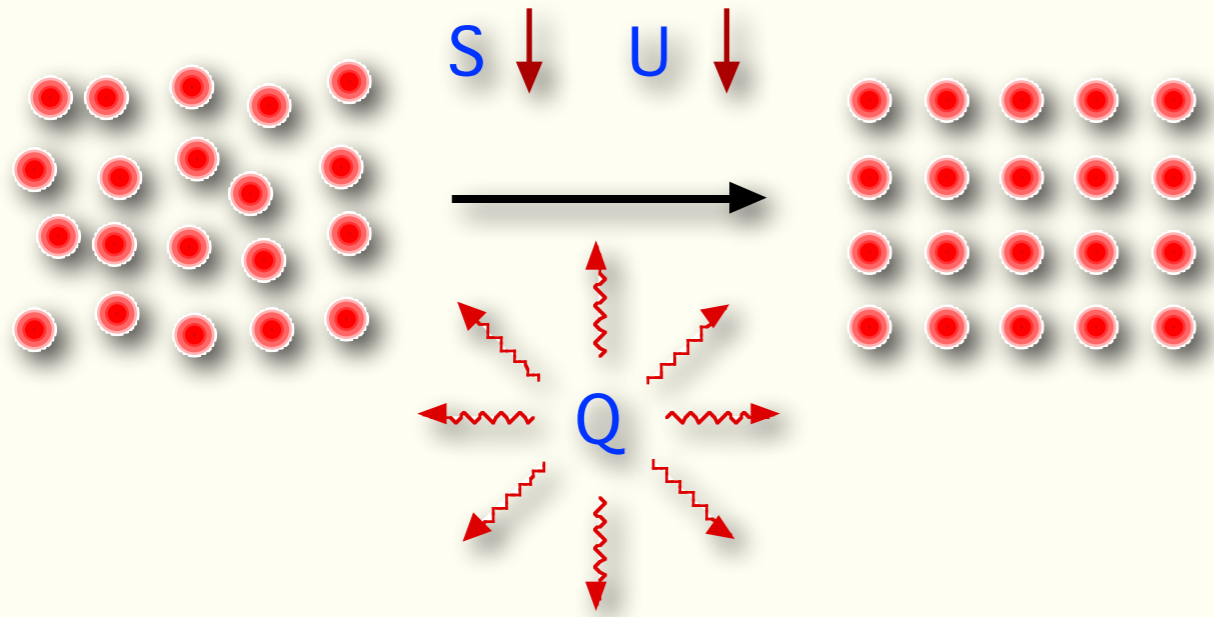
$E$  (meV)



$Q$  ( $1/\text{\AA}$ )

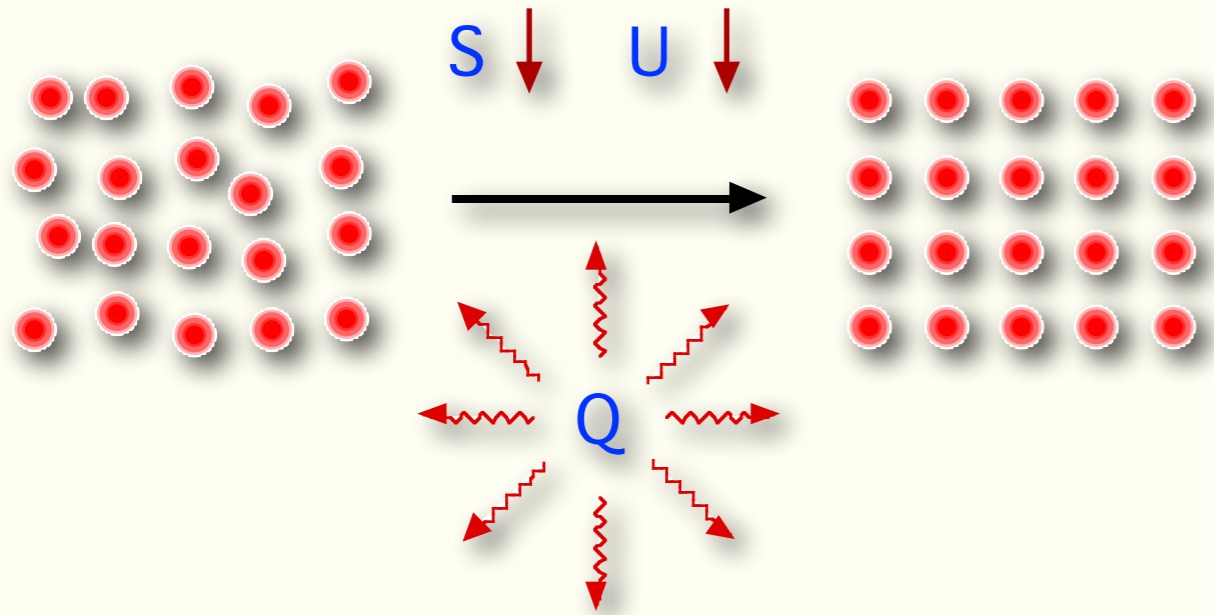


# Transiciones entrópicas

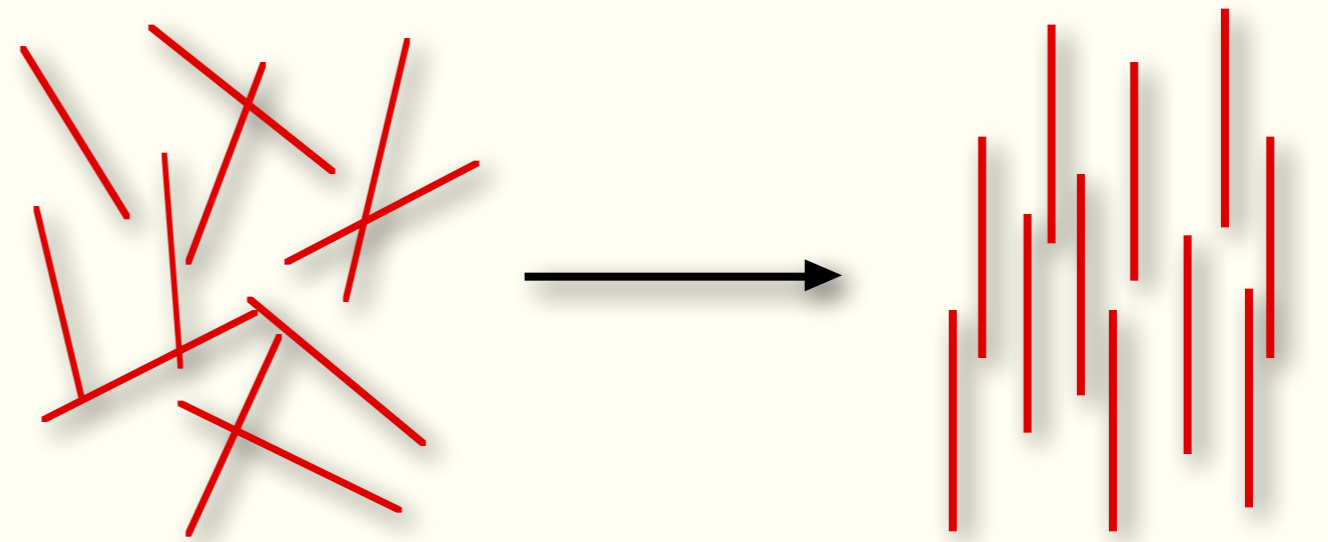


Impelida por energía

# Transiciones entrópicas



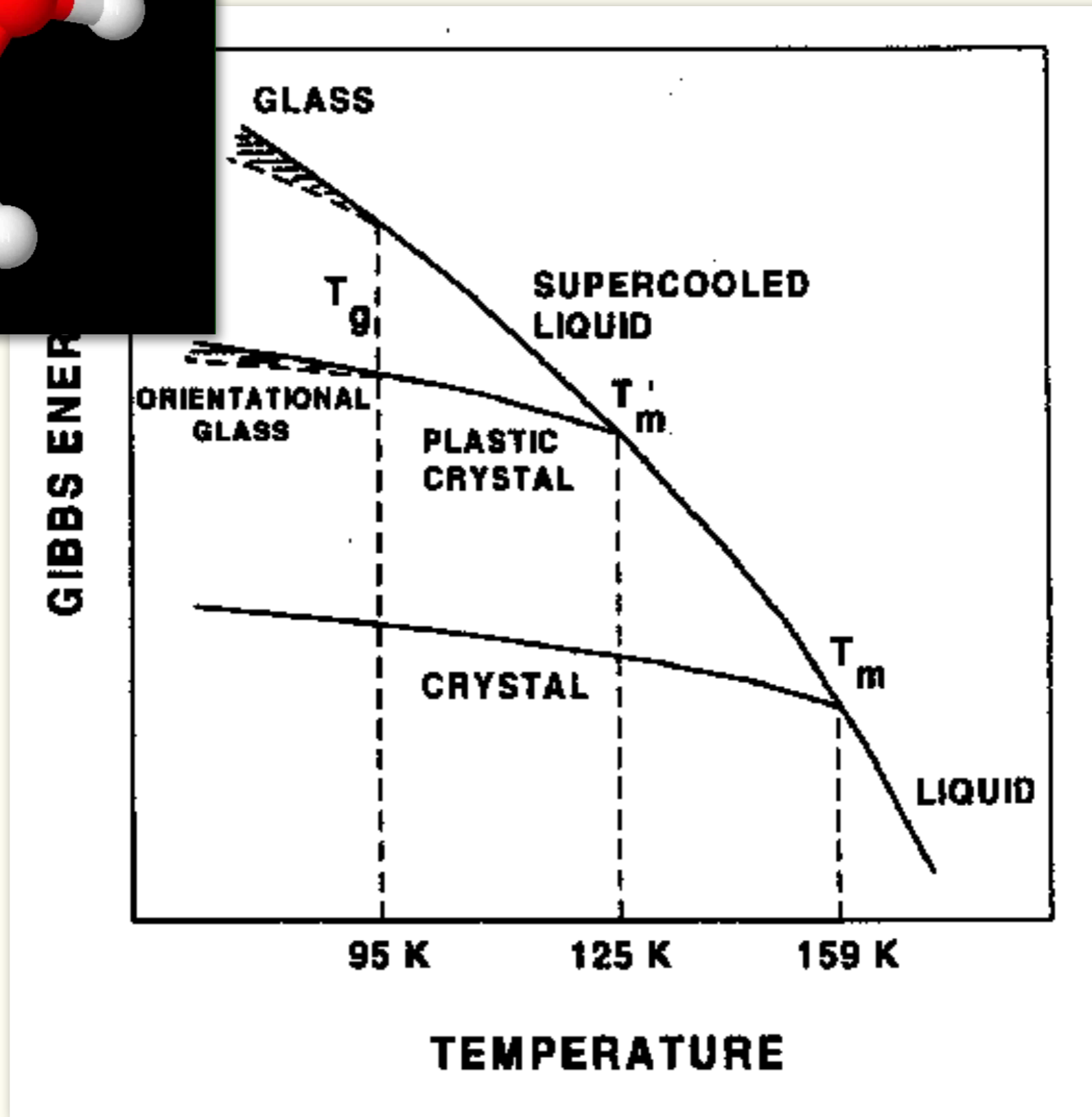
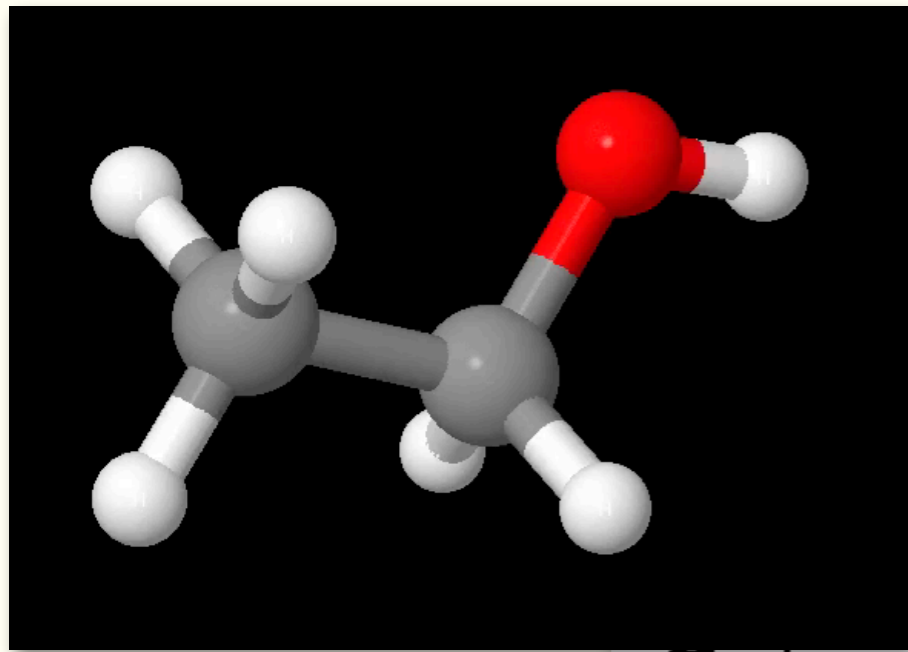
Impelida por energía



$$F \downarrow = U - T S \uparrow$$

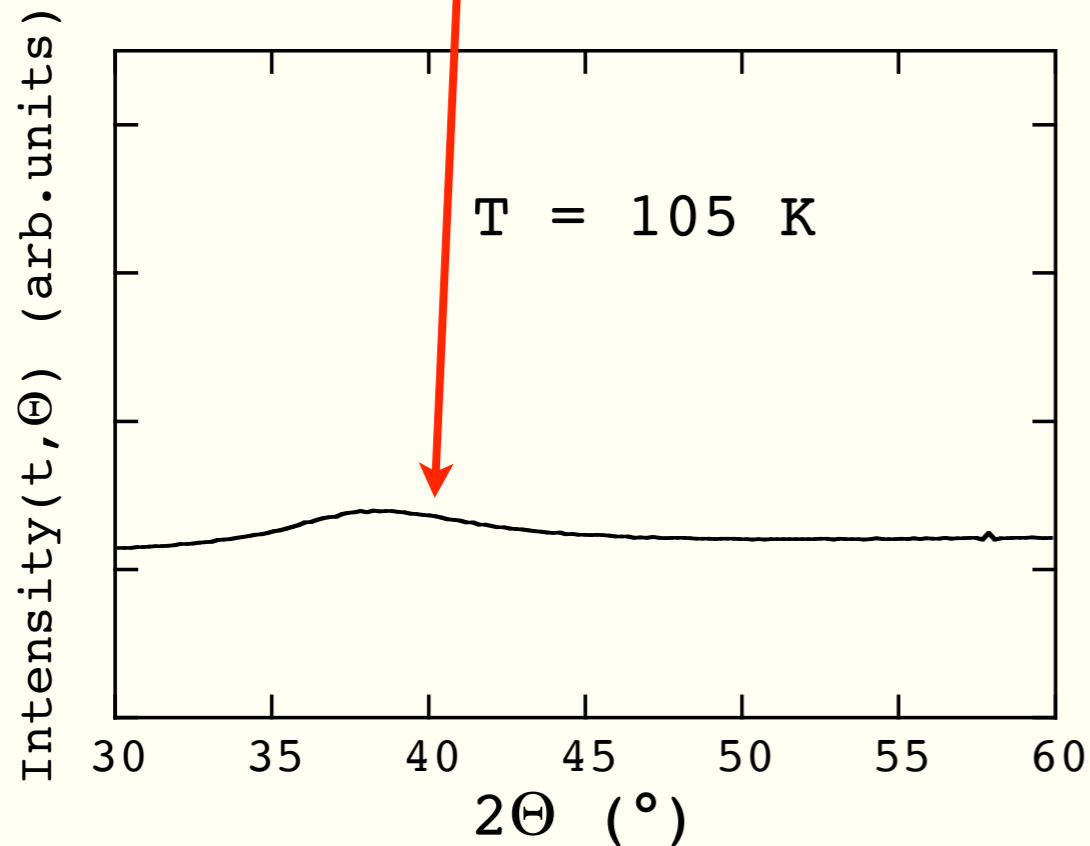
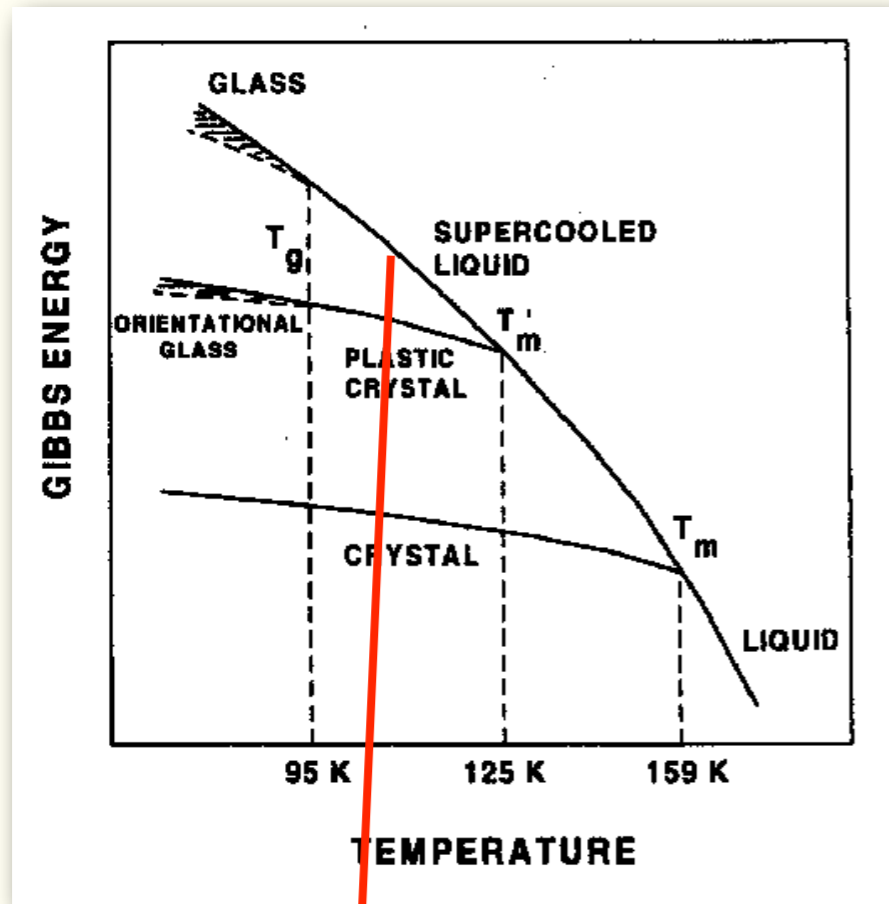
Impelida por entropía  
("Entropy driven")

# Líquido-Cristal rotacional en el Etanol

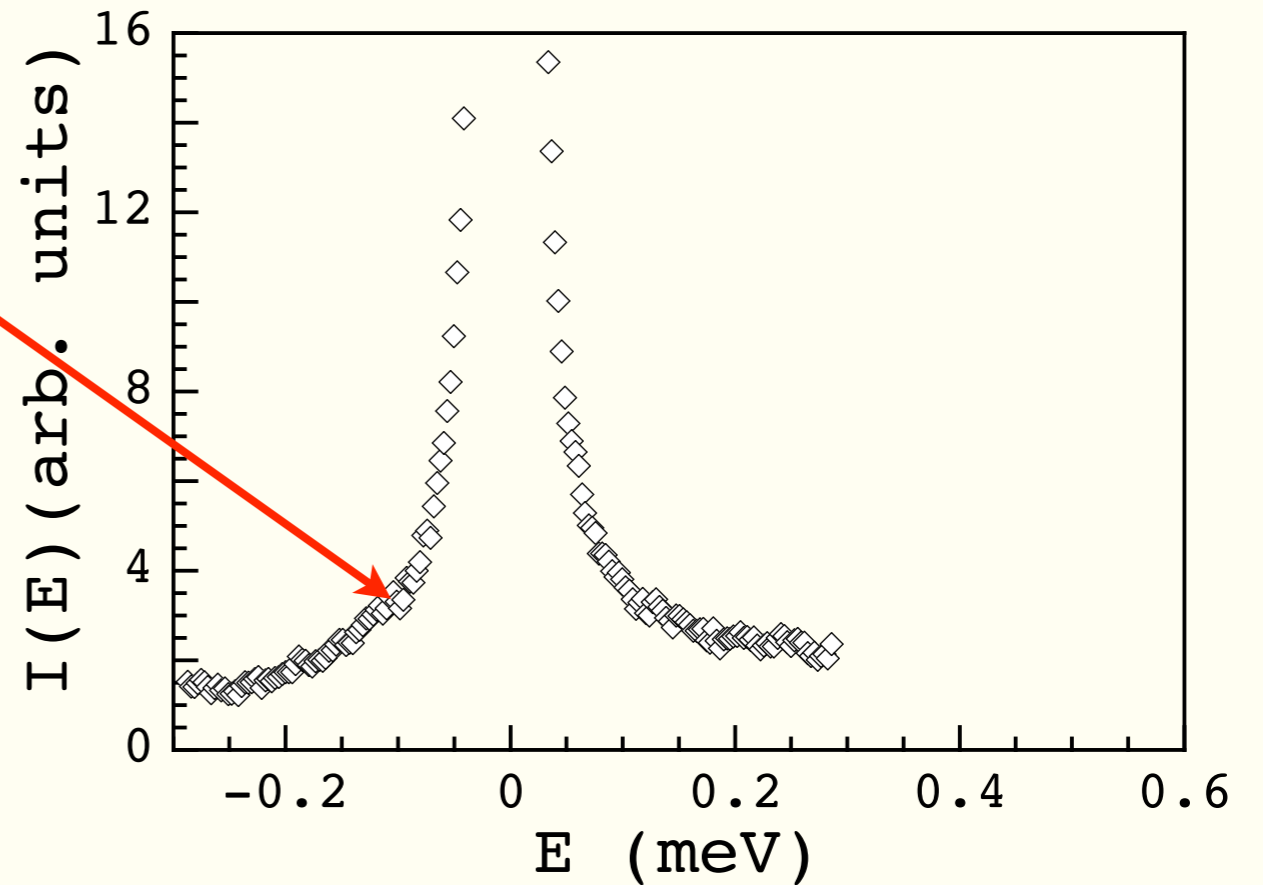
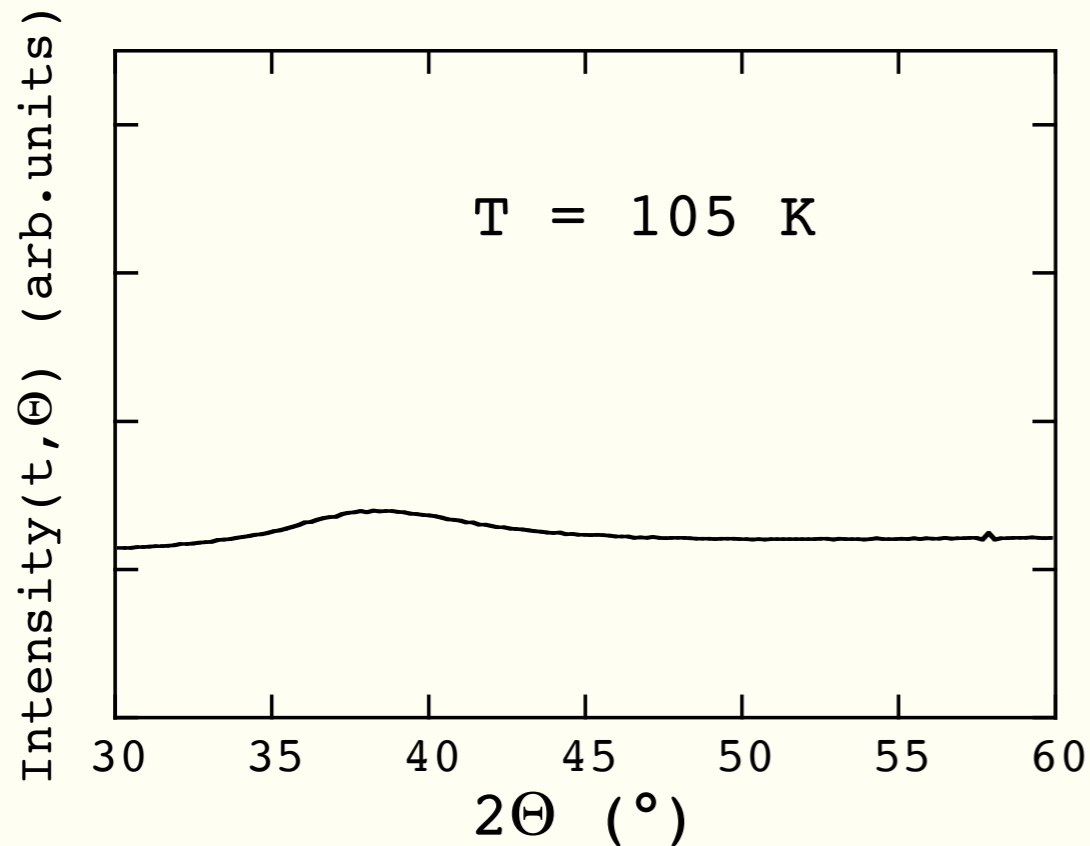
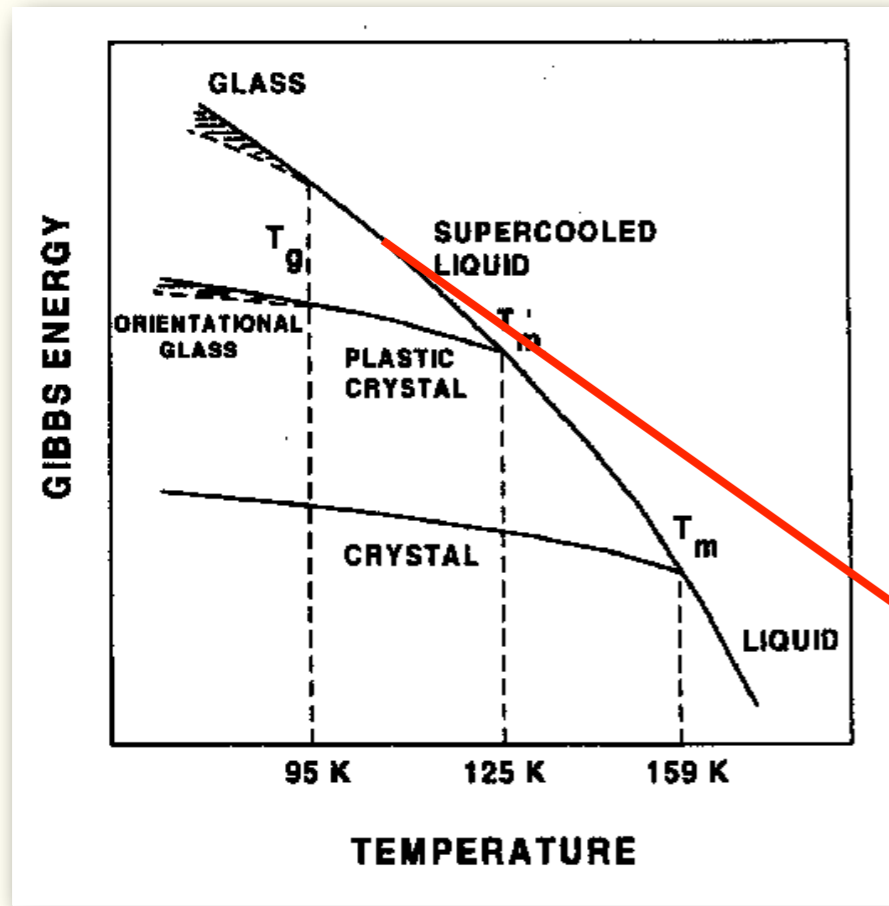




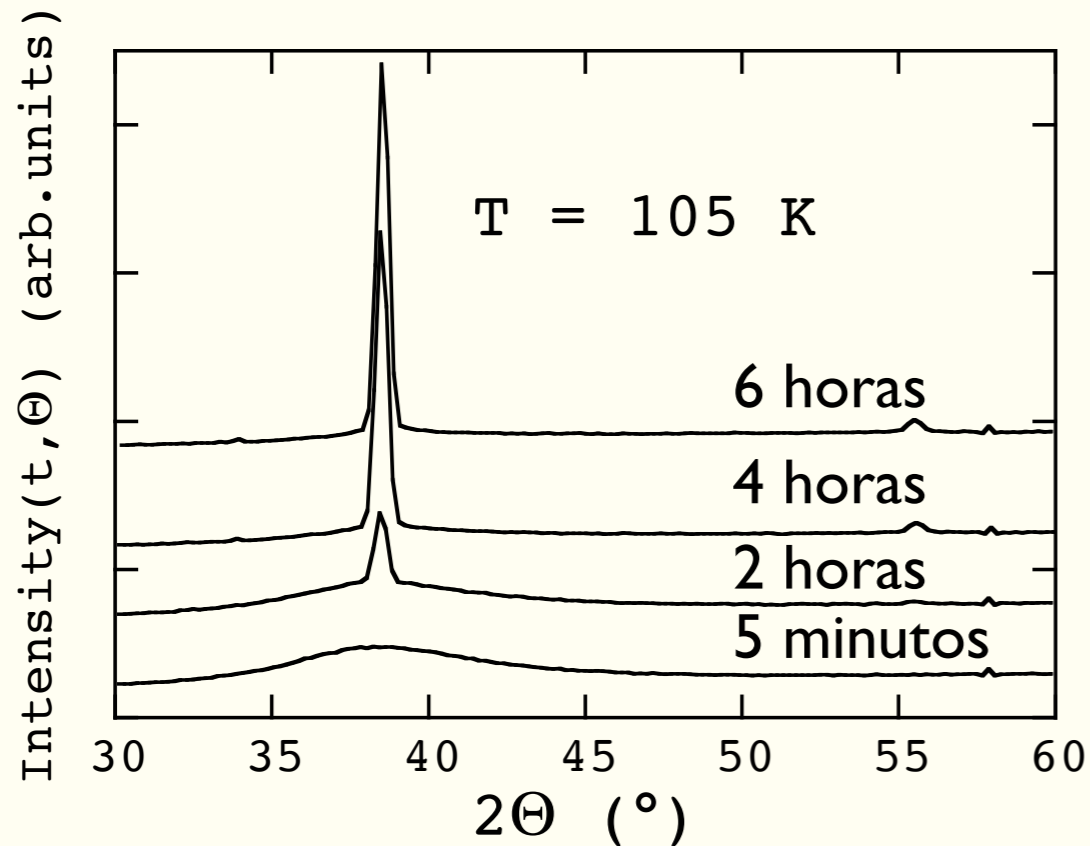
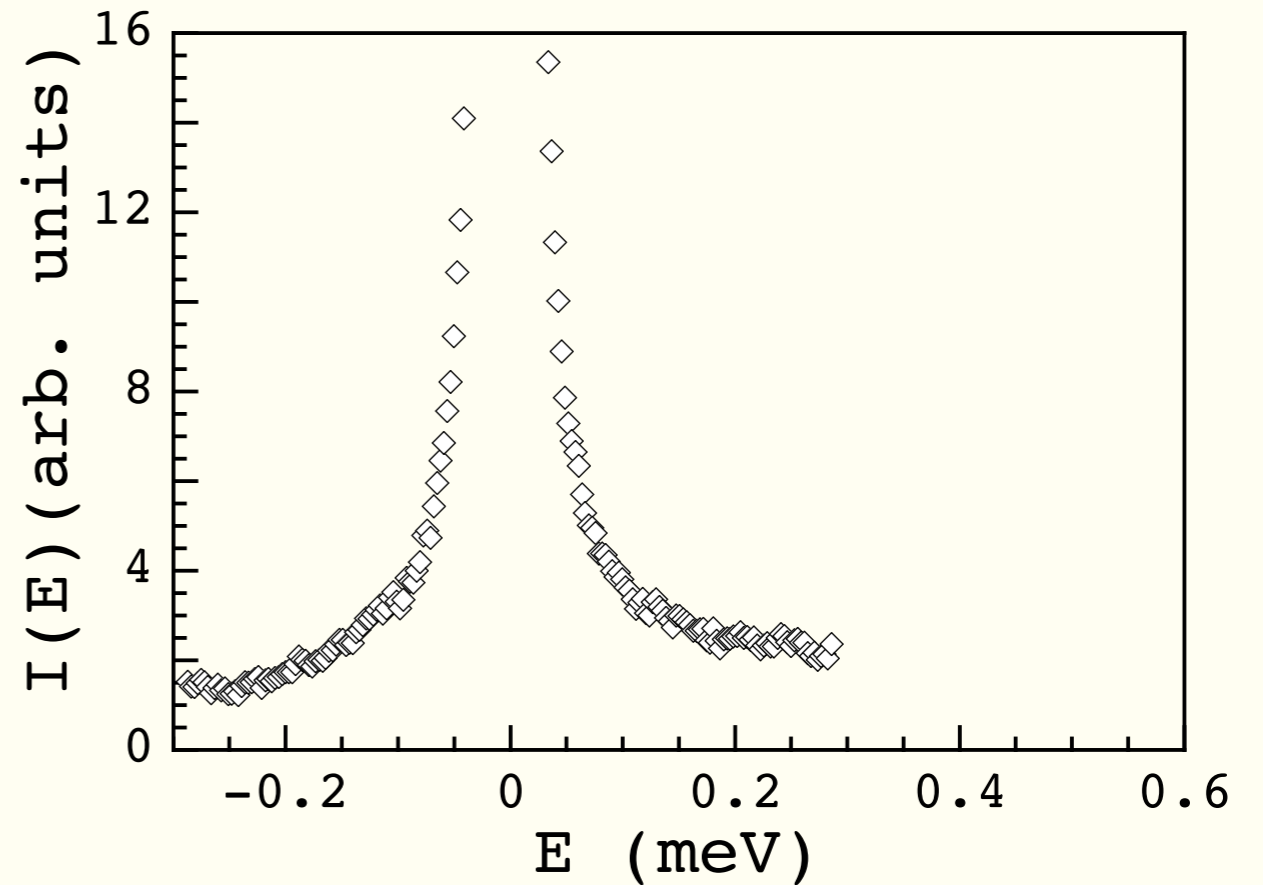
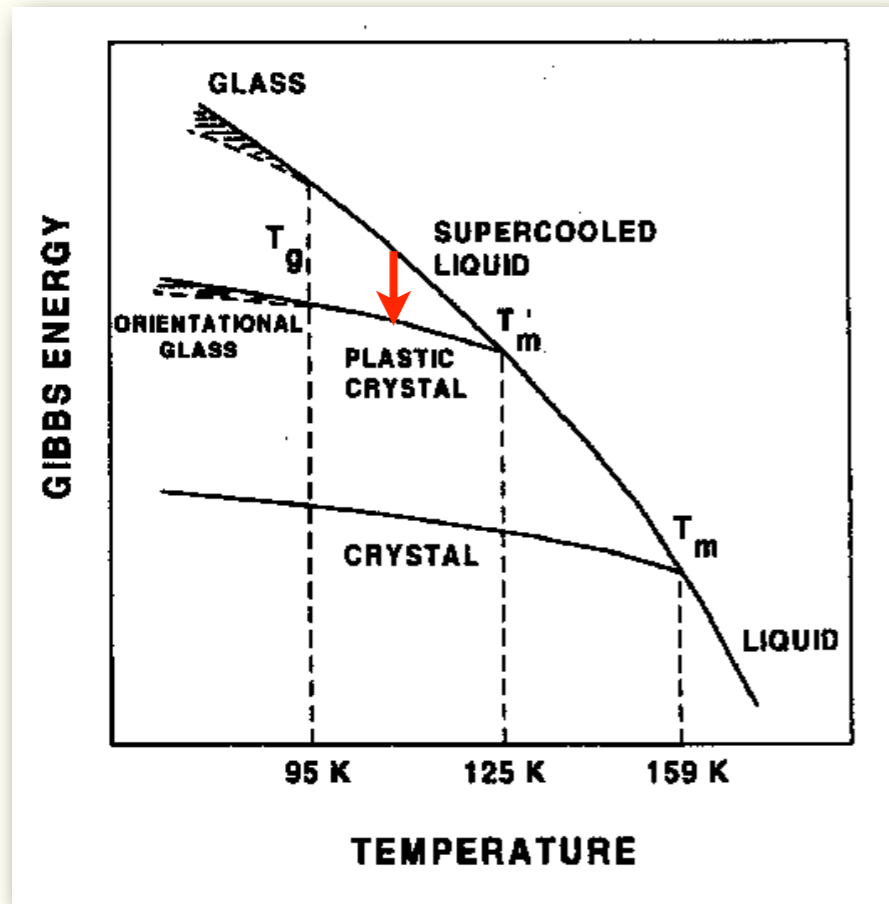
# Transición Líquido-Cristal rotacional en el Etanol



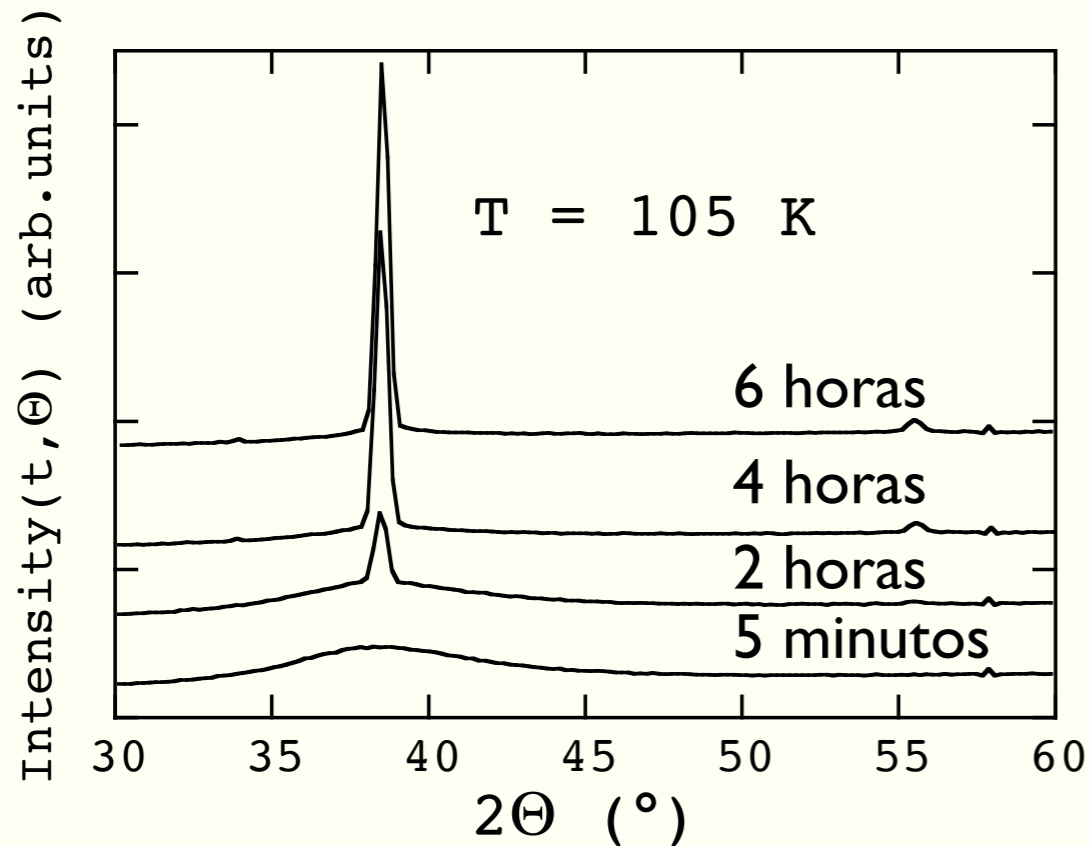
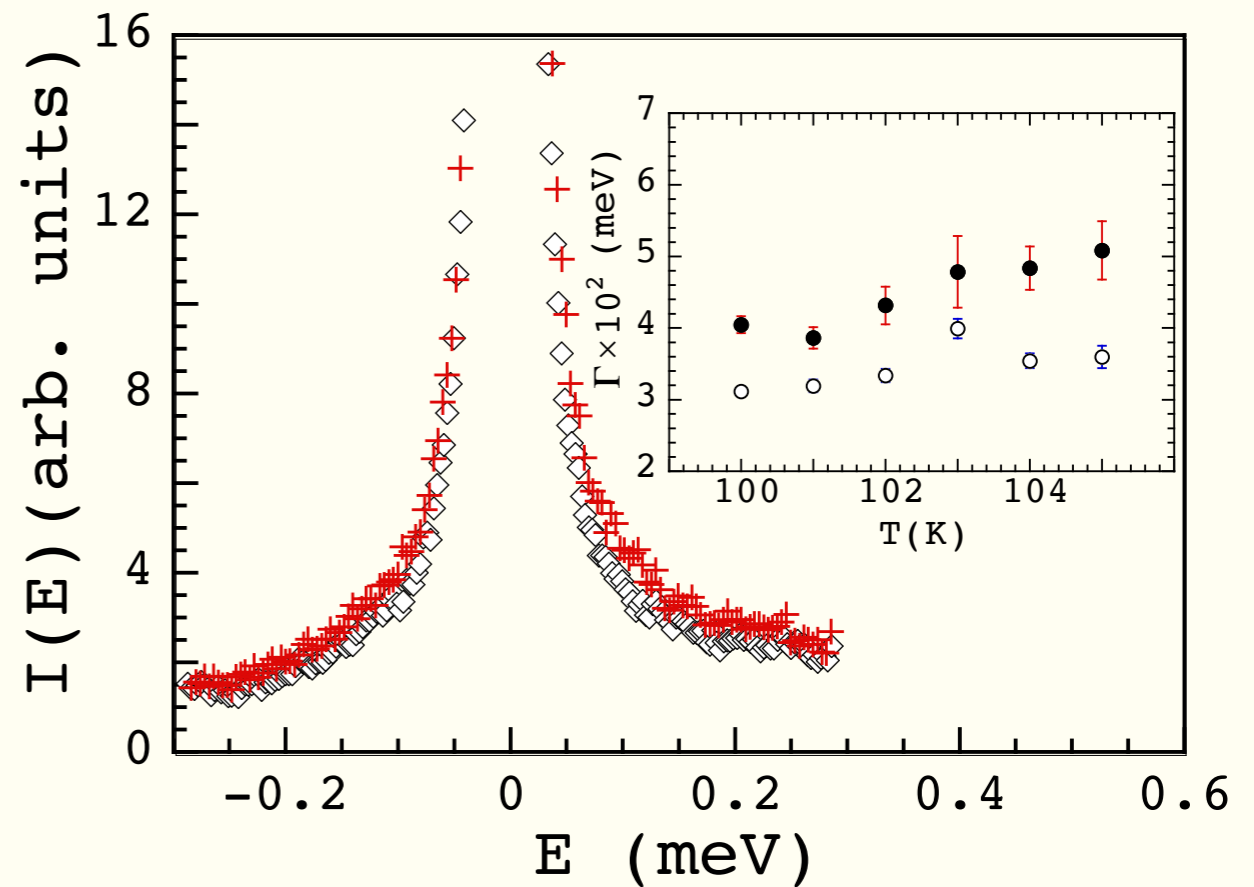
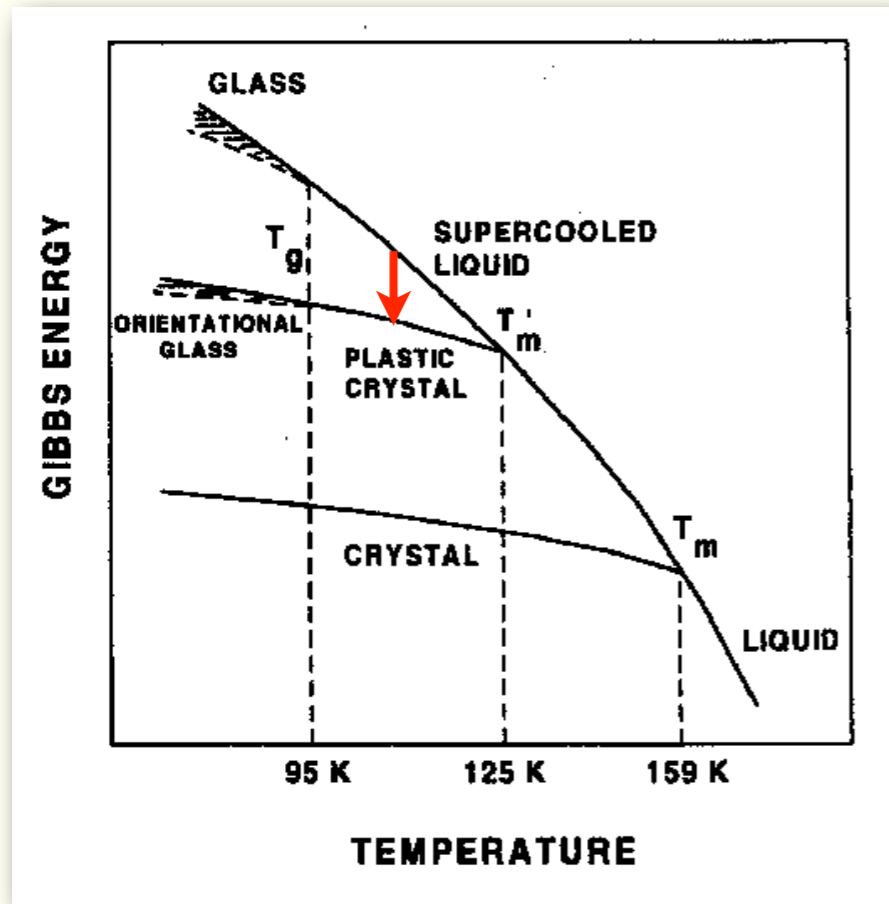
# Transición Líquido-Cristal rotacional en el Etanol



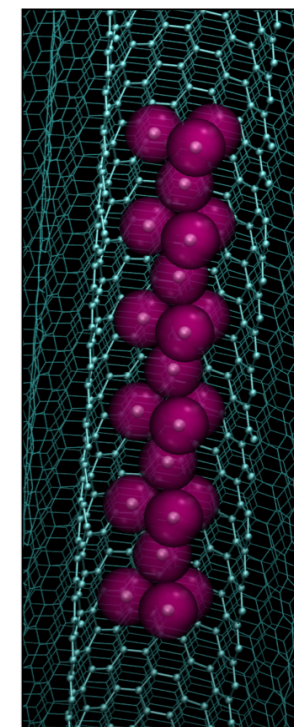
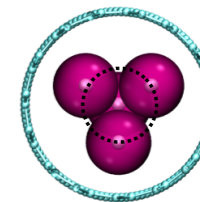
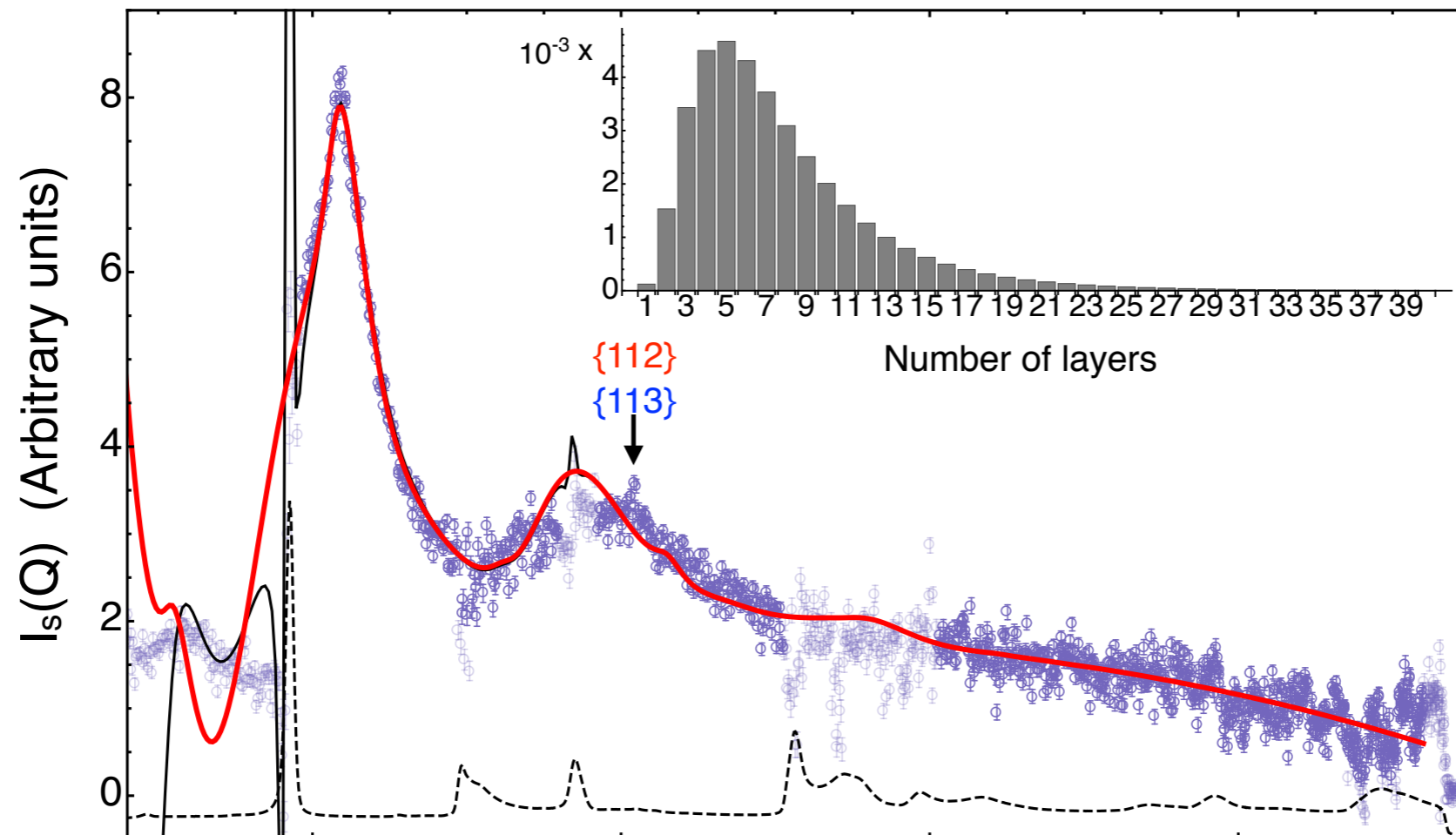
# Transición Líquido-Cristal rotacional en el Etanol



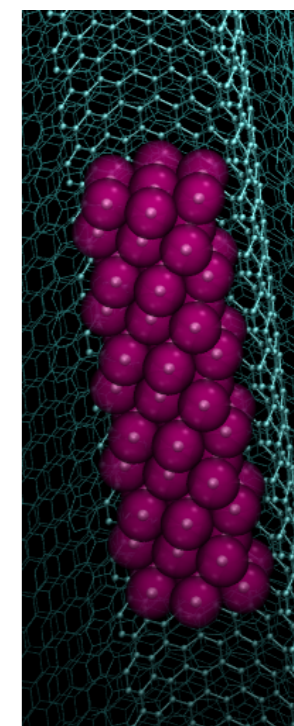
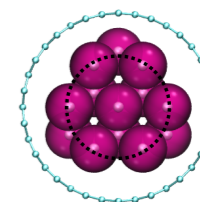
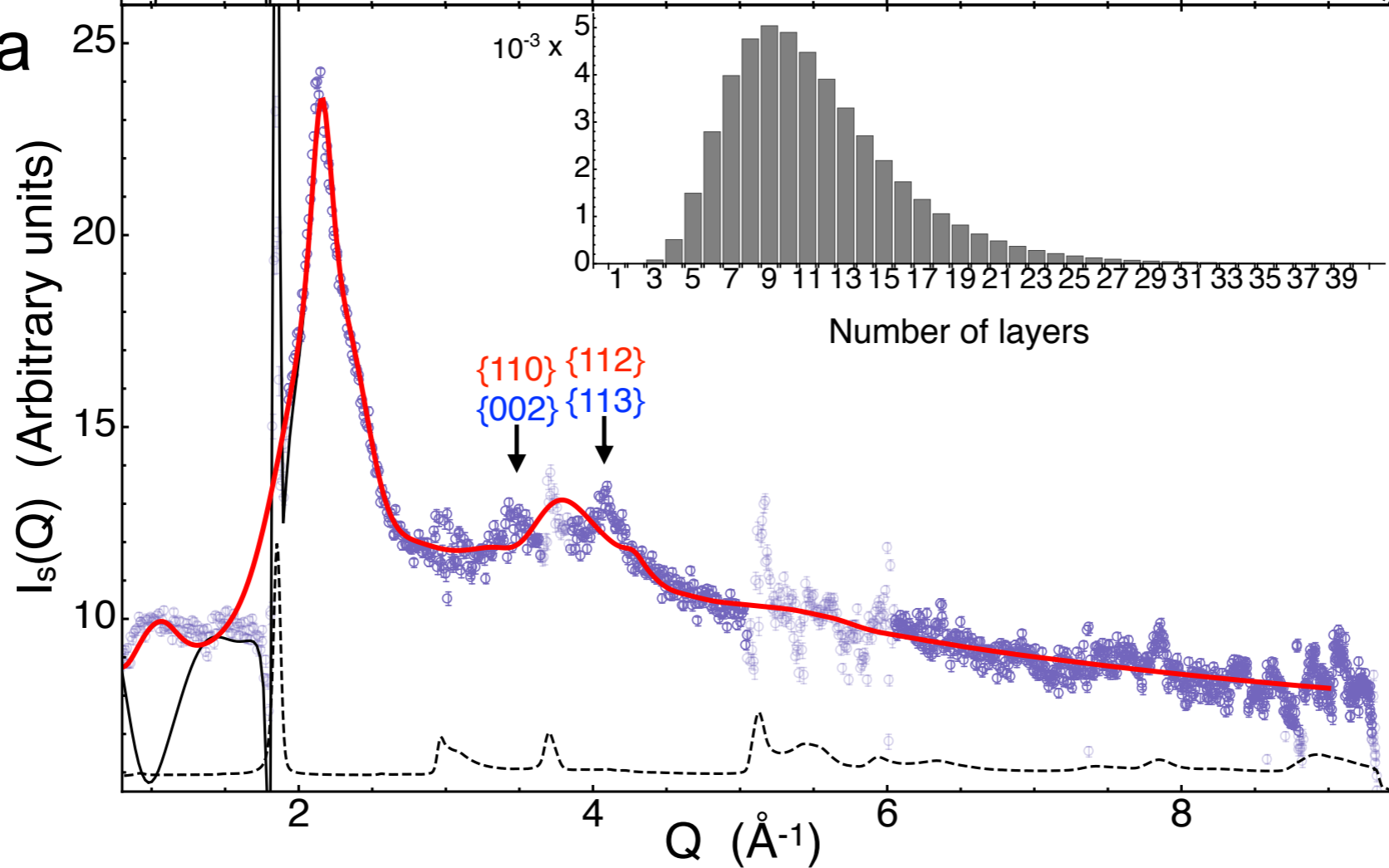
# Transición Líquido-Cristal rotacional en el Etanol



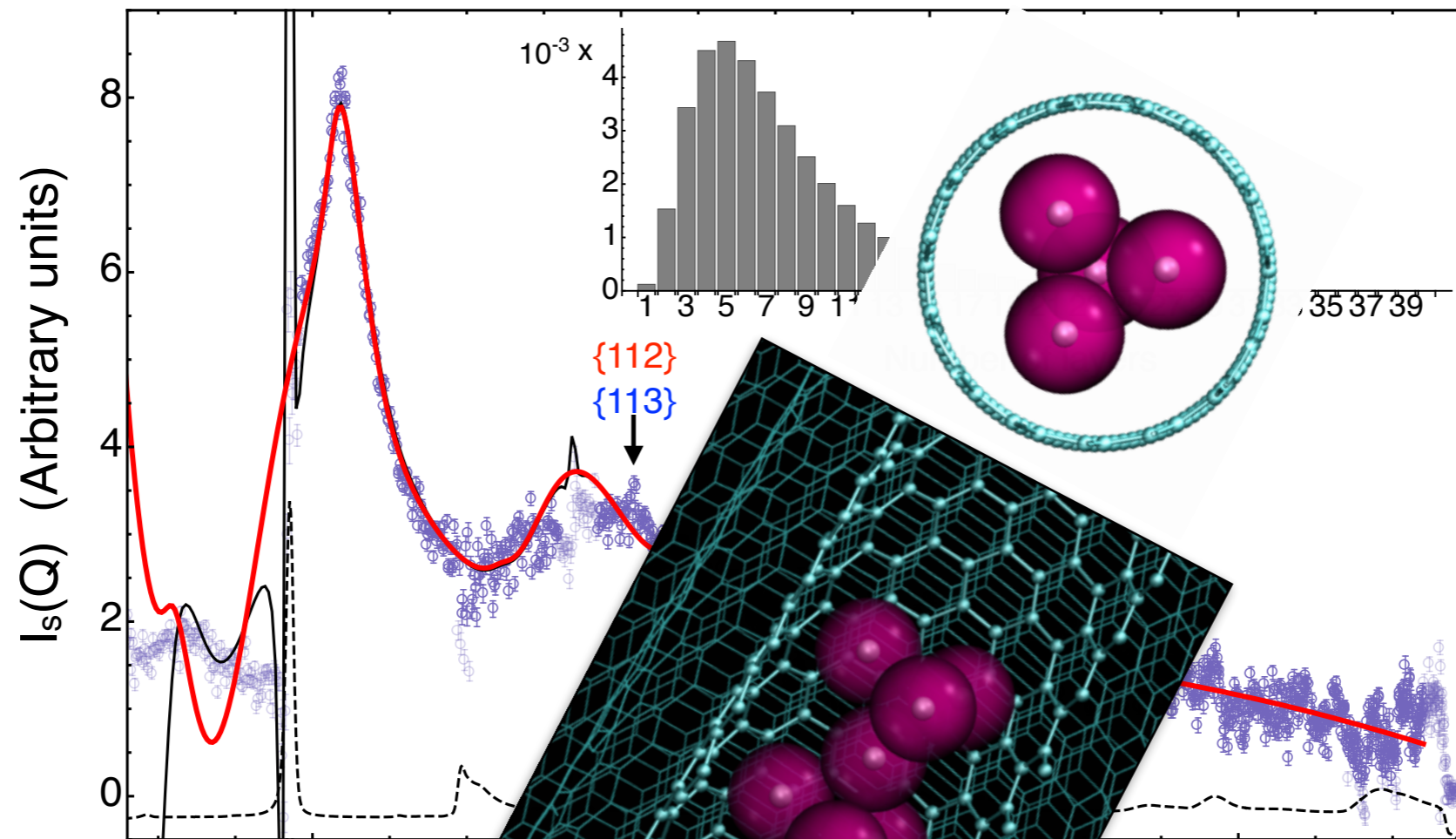
62 hPa



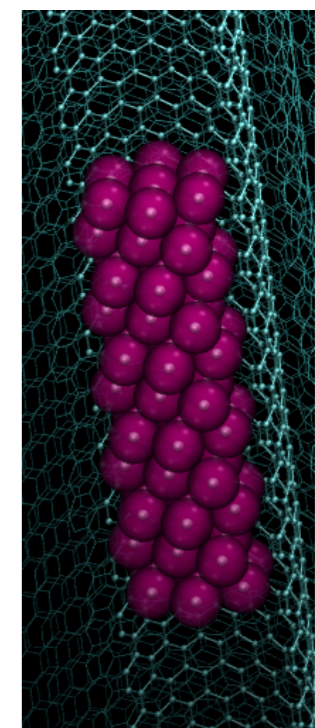
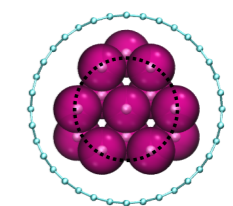
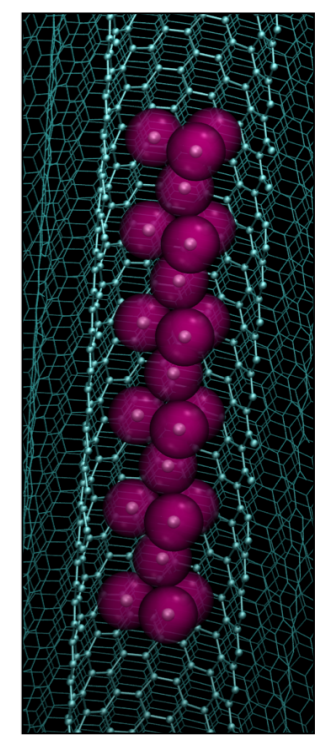
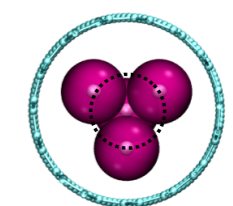
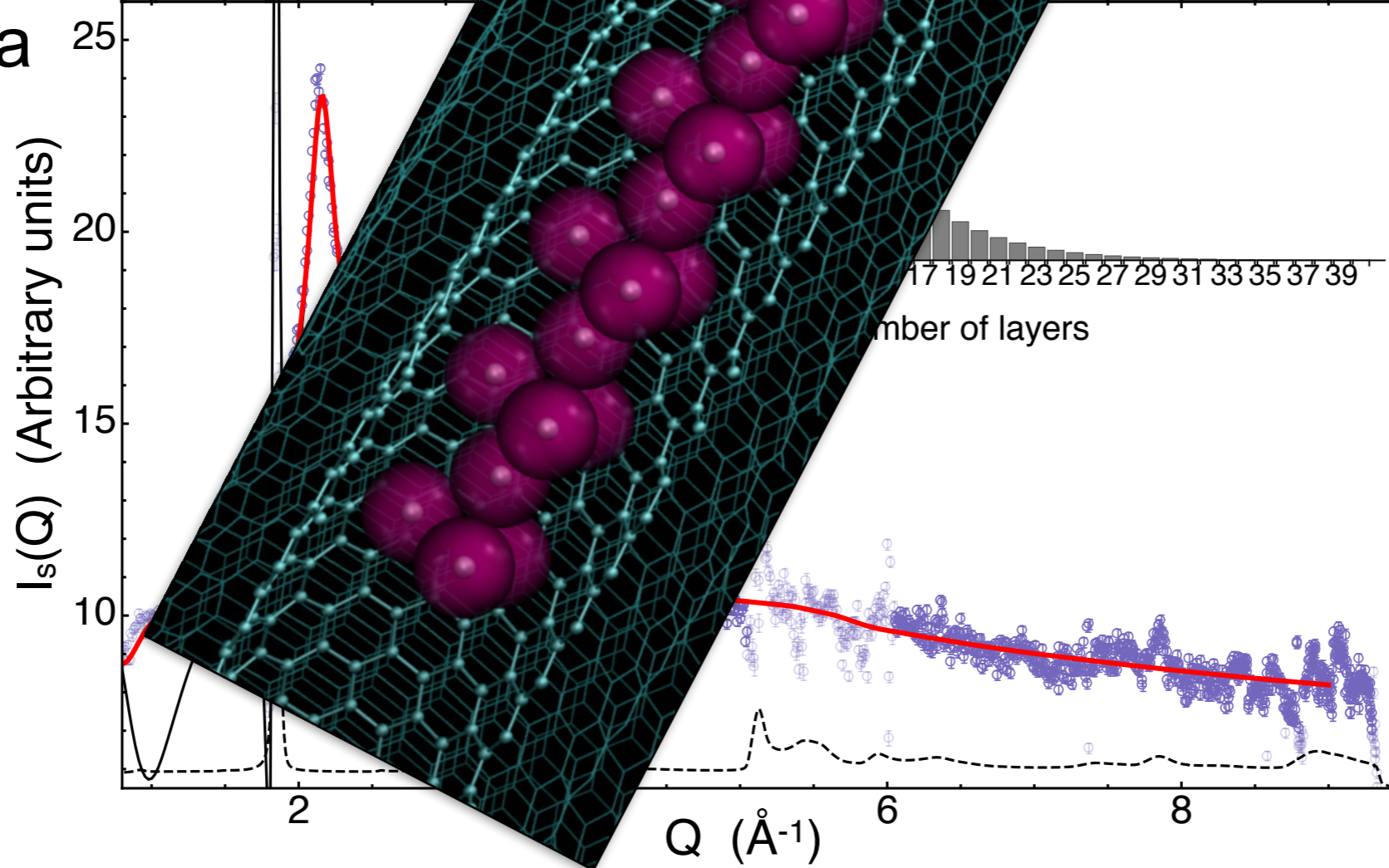
175 hPa



62 hPa



175 hPa



# Sistemas carentes de orden de largo alcance

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Despacho 109 ([ricardo@langran.iem.csic.es](mailto:ricardo@langran.iem.csic.es))