

## Spin-Orbit Split Surface State

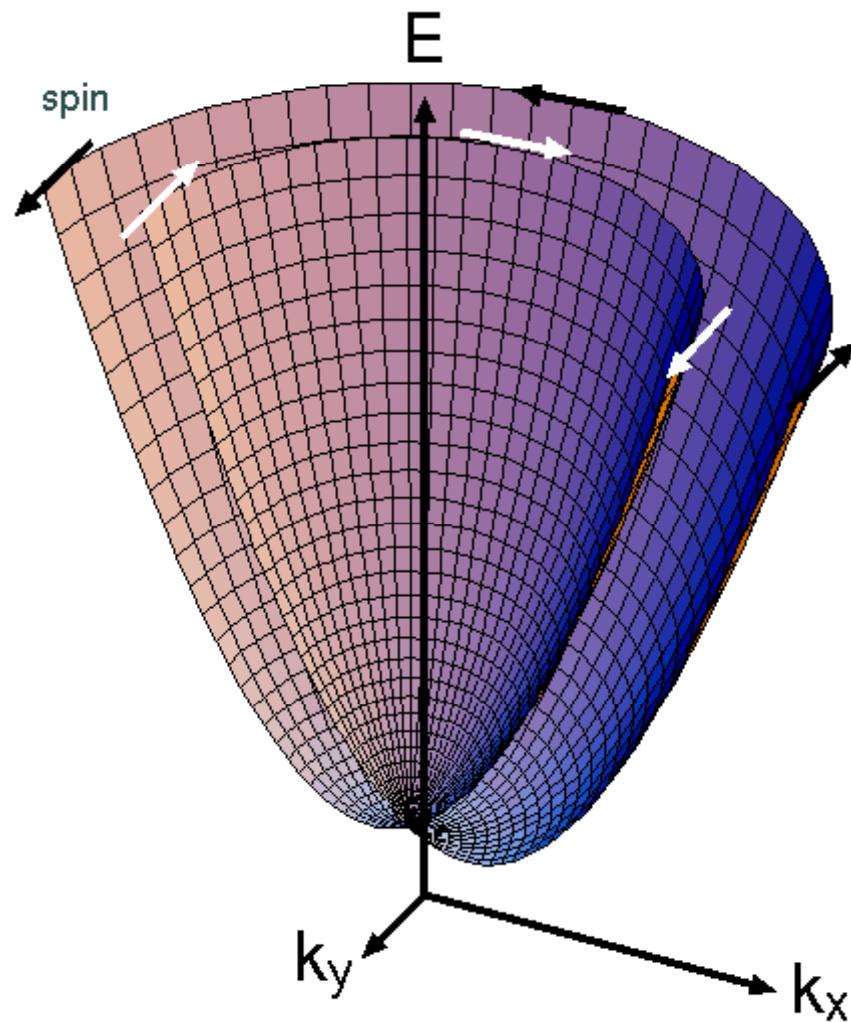
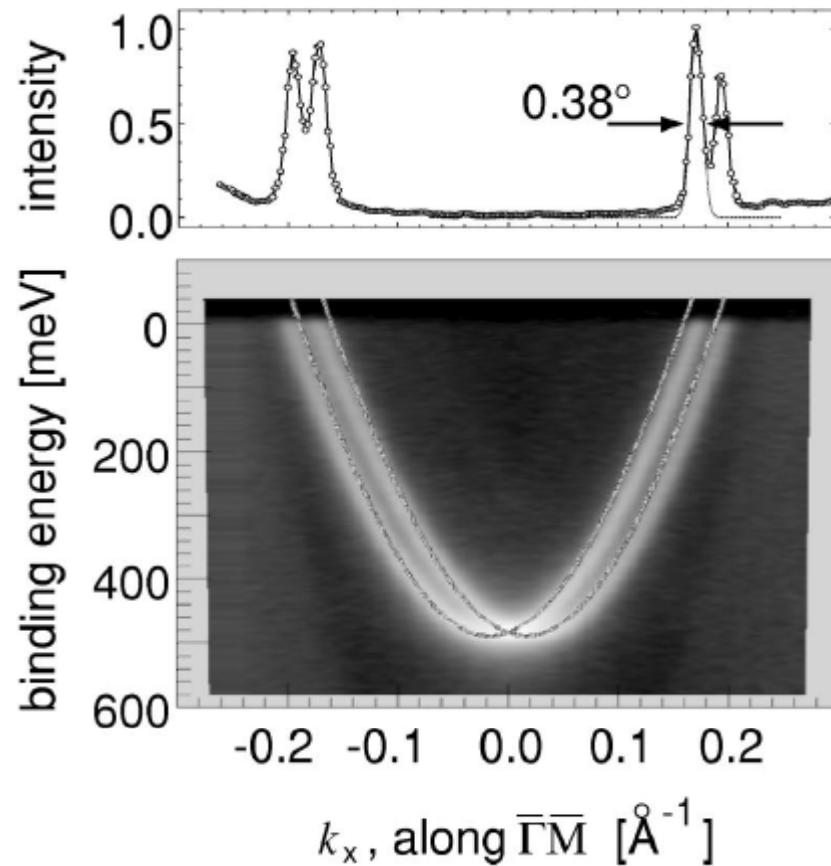
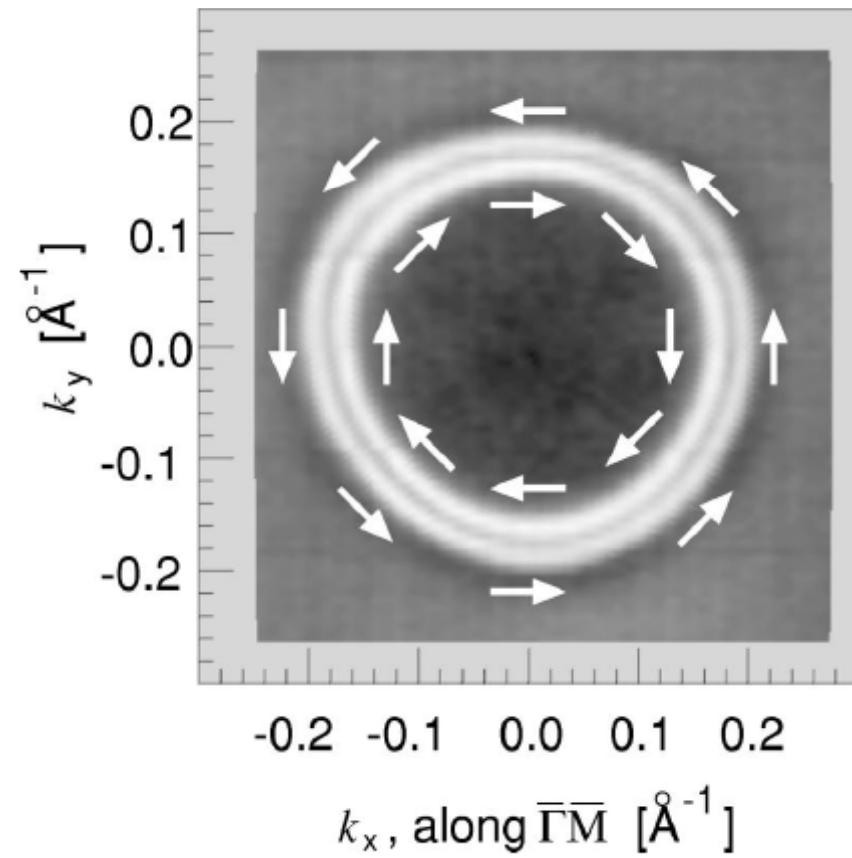


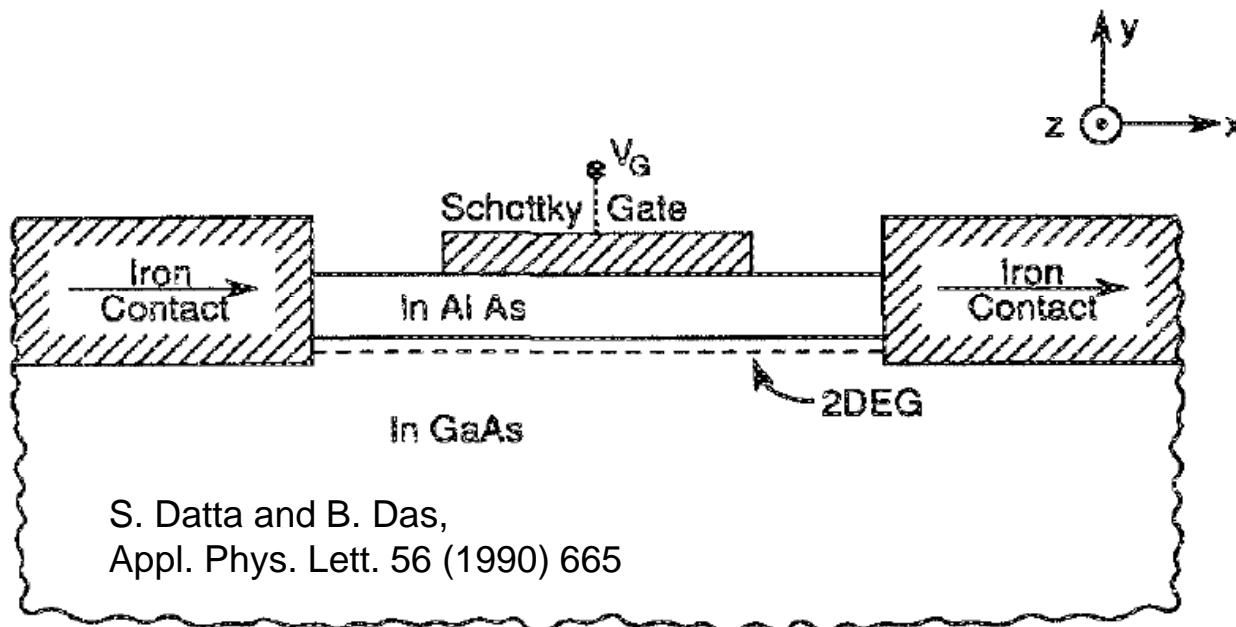
Fig. 3.35

## Spin-Orbit Split Surface State of Au(111)



G. Nicolay et al., Phys. Rev. B 55 (2001) 033407

Fig. 3.36



## Spin – Field Effect Transistor

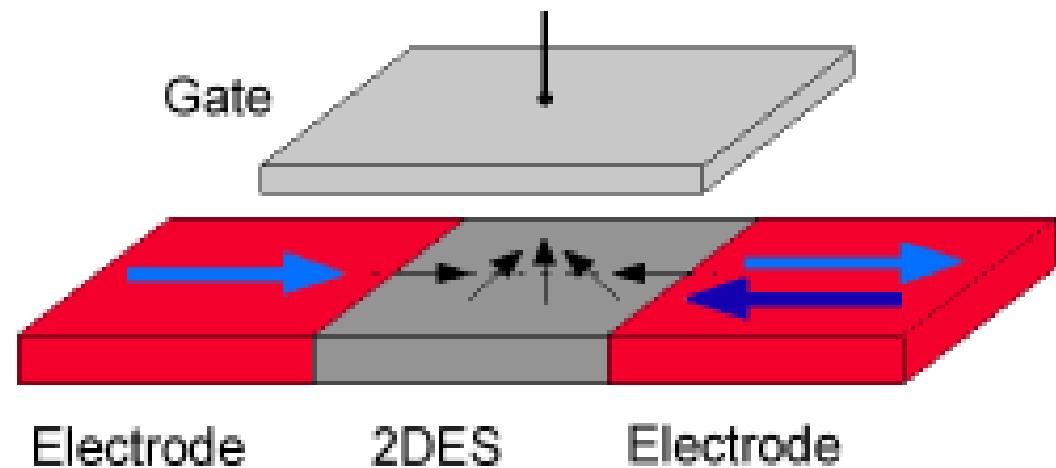


Fig. 3.37

## Optical Analogy to the Spin FET

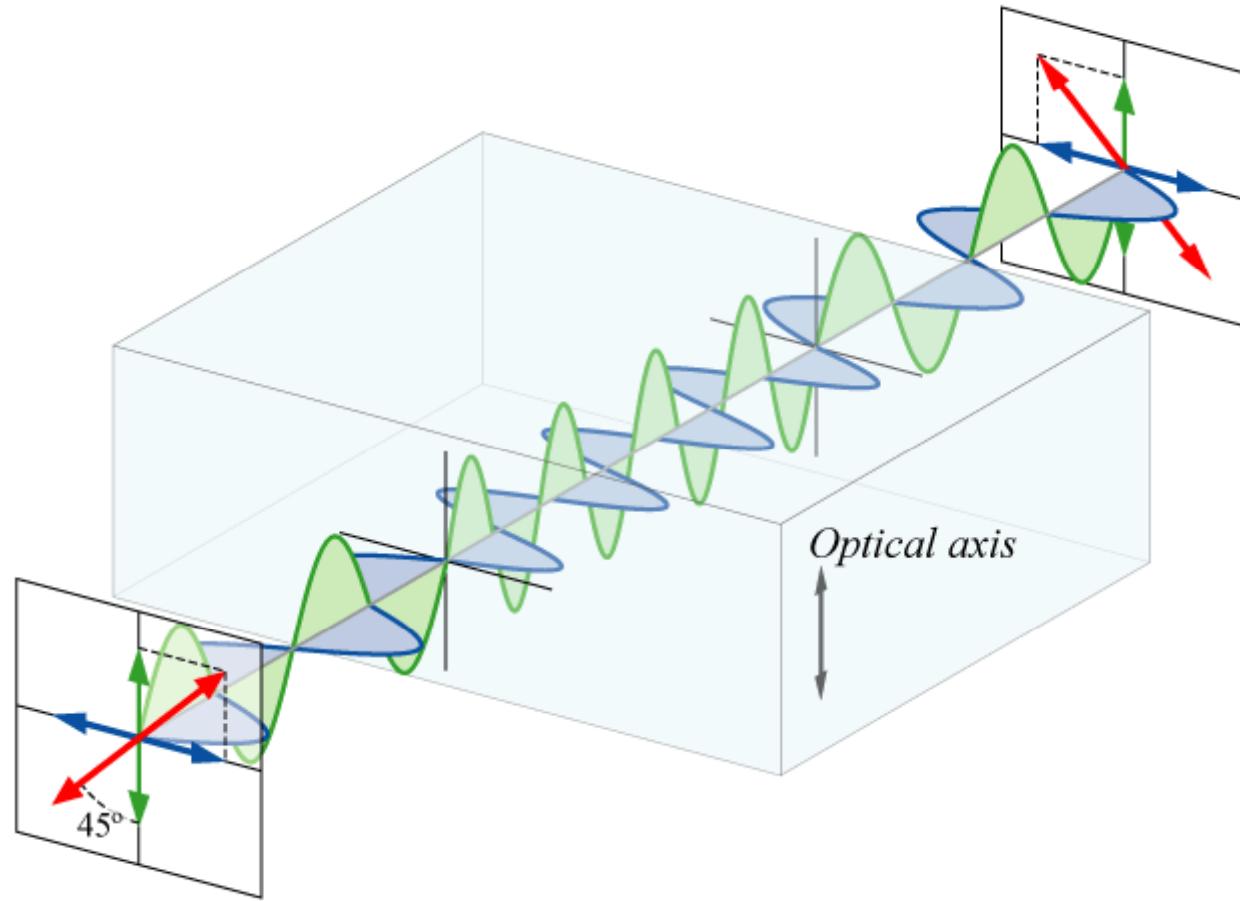


Fig. 3.38

Surface States on Si(111)- 7x7  
Angle Resolved Photo Emission Spectroscopy (ARPES)

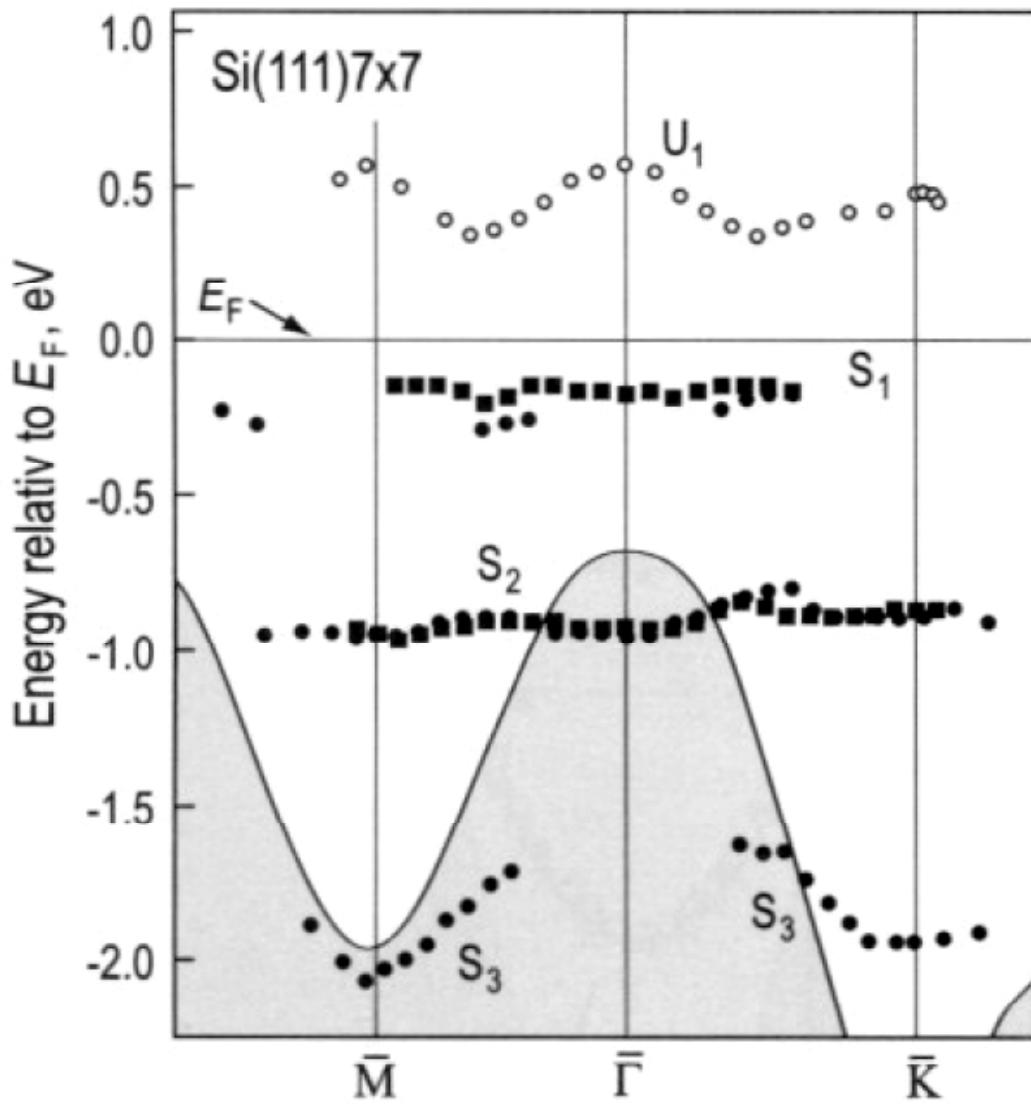
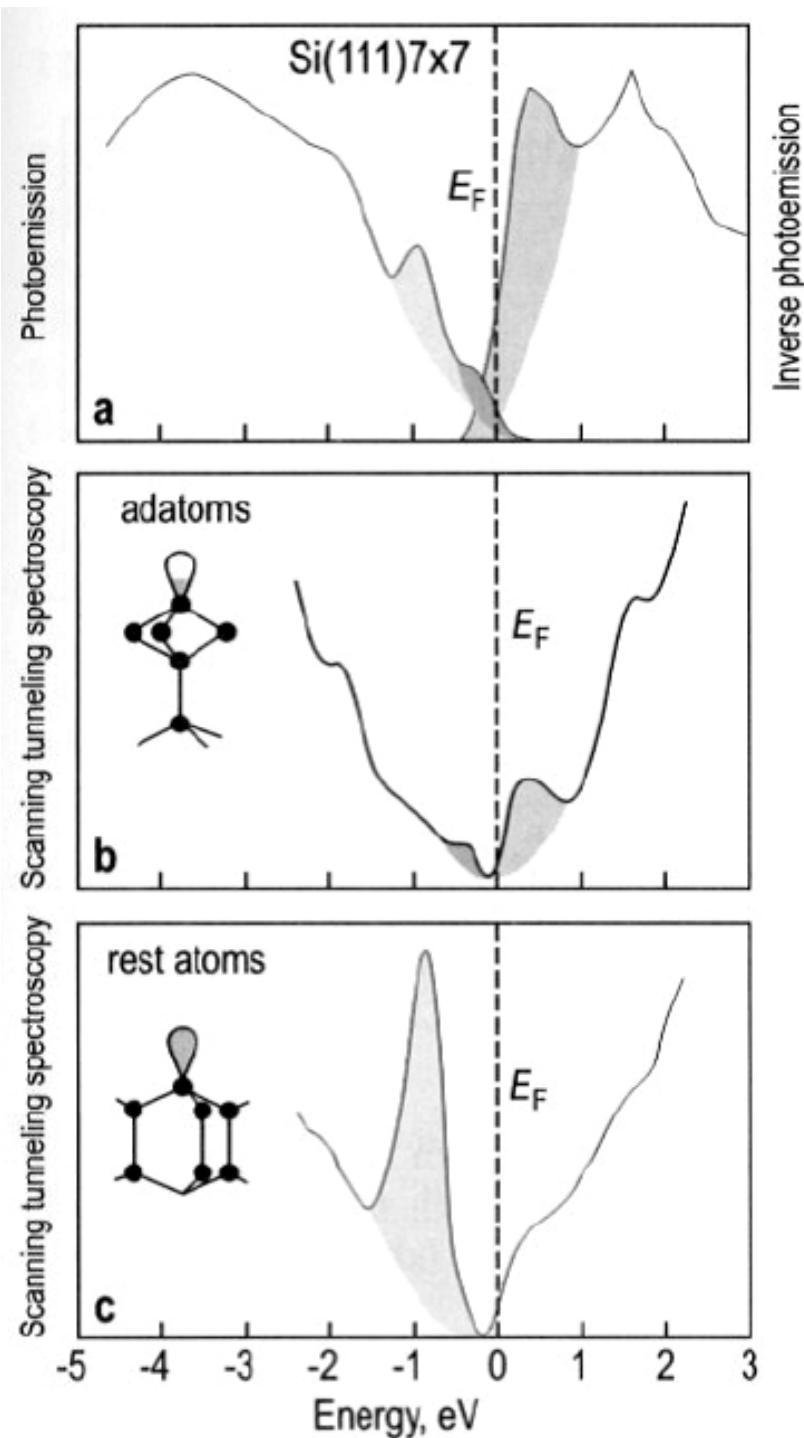


Fig. 3.39



### Surface States on Si(111)-7x7 STM,STS, PES and IPS

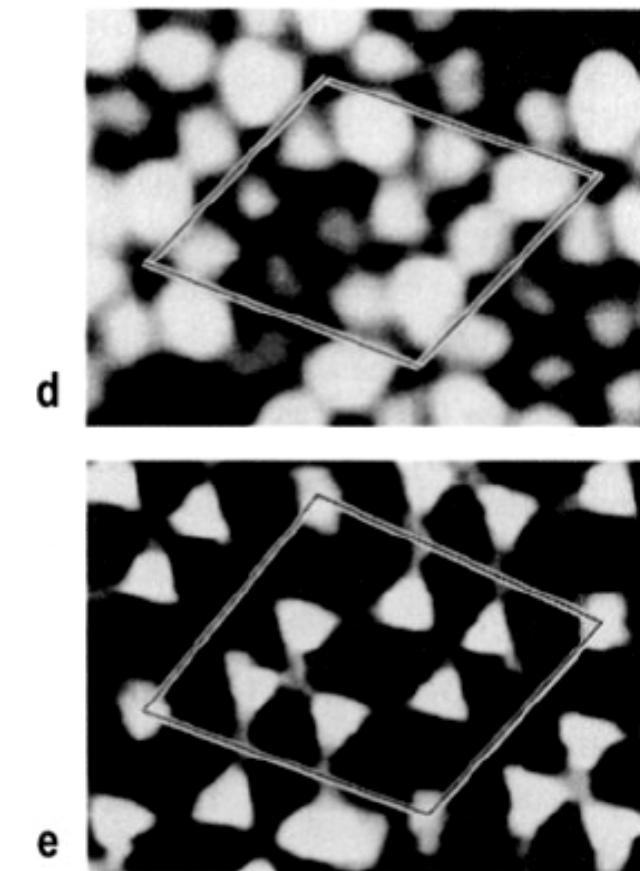


Fig. 3.40

## Surface States on Si(111)-7x7 STM,STS, ARPES, PES and IPS

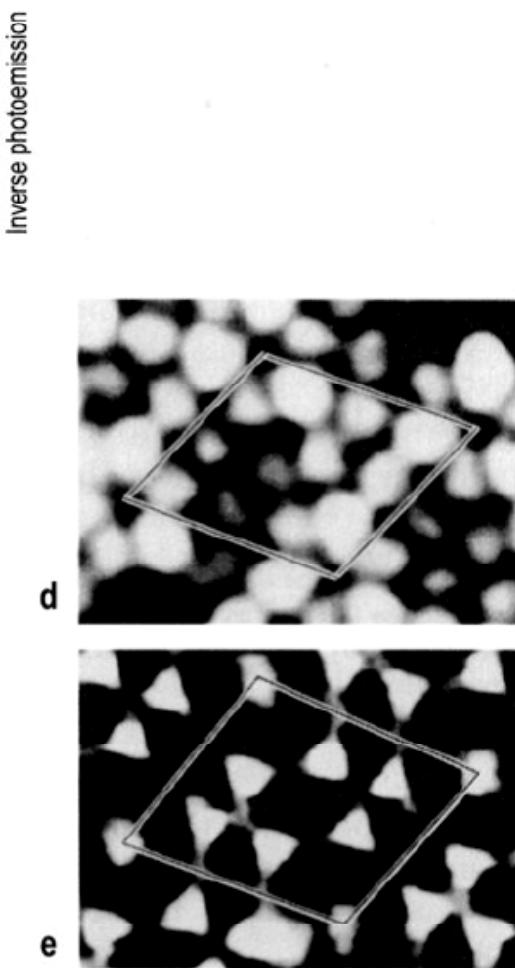
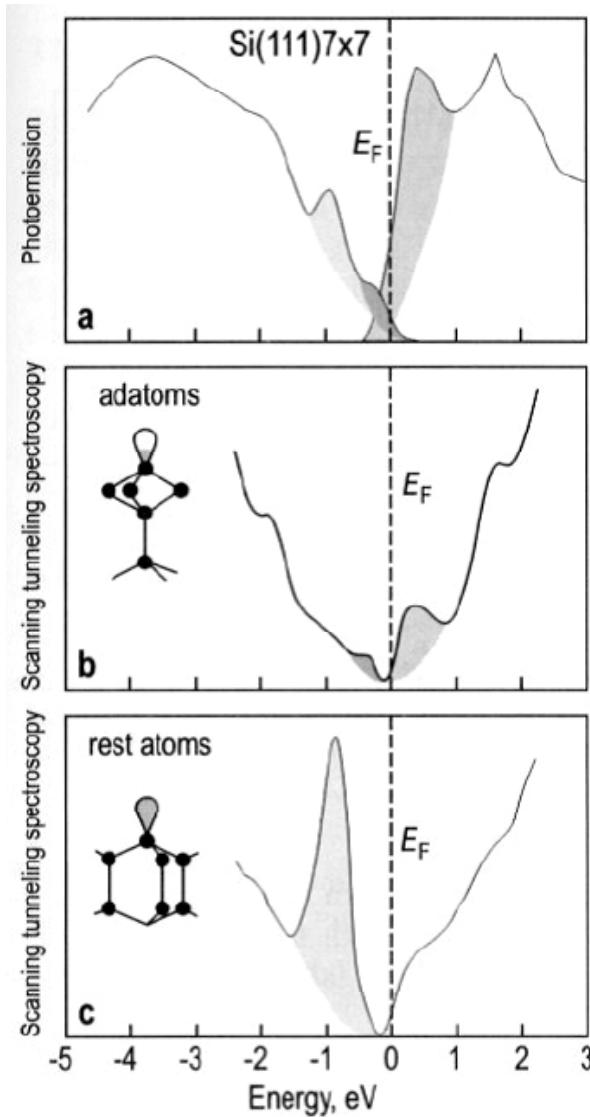
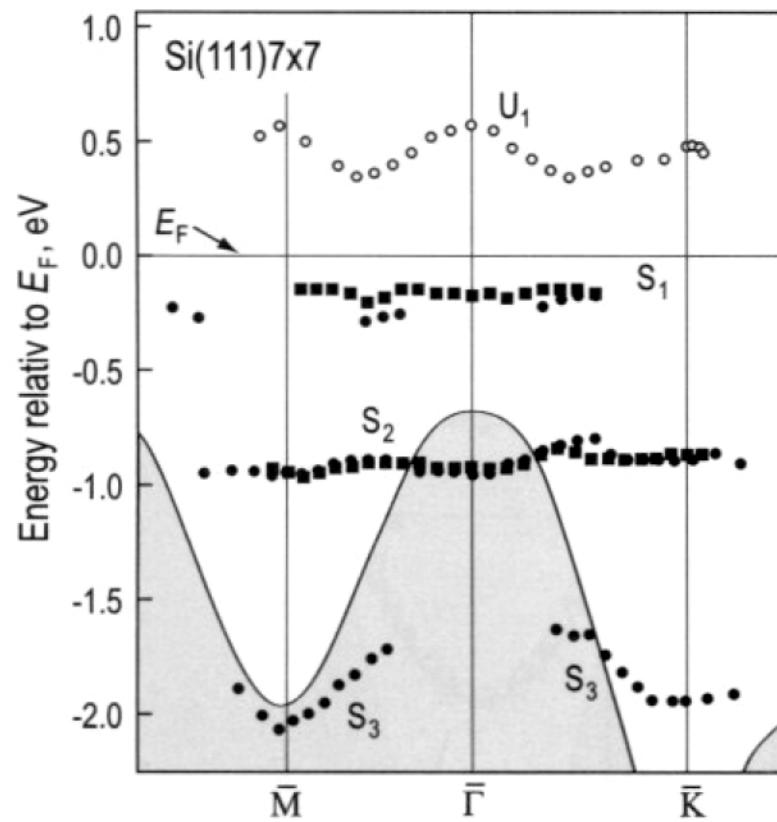


Fig. 3.41

## Figures of Chapter 4: Thermodynamic Aspects

## Growth Far From Equilibrium

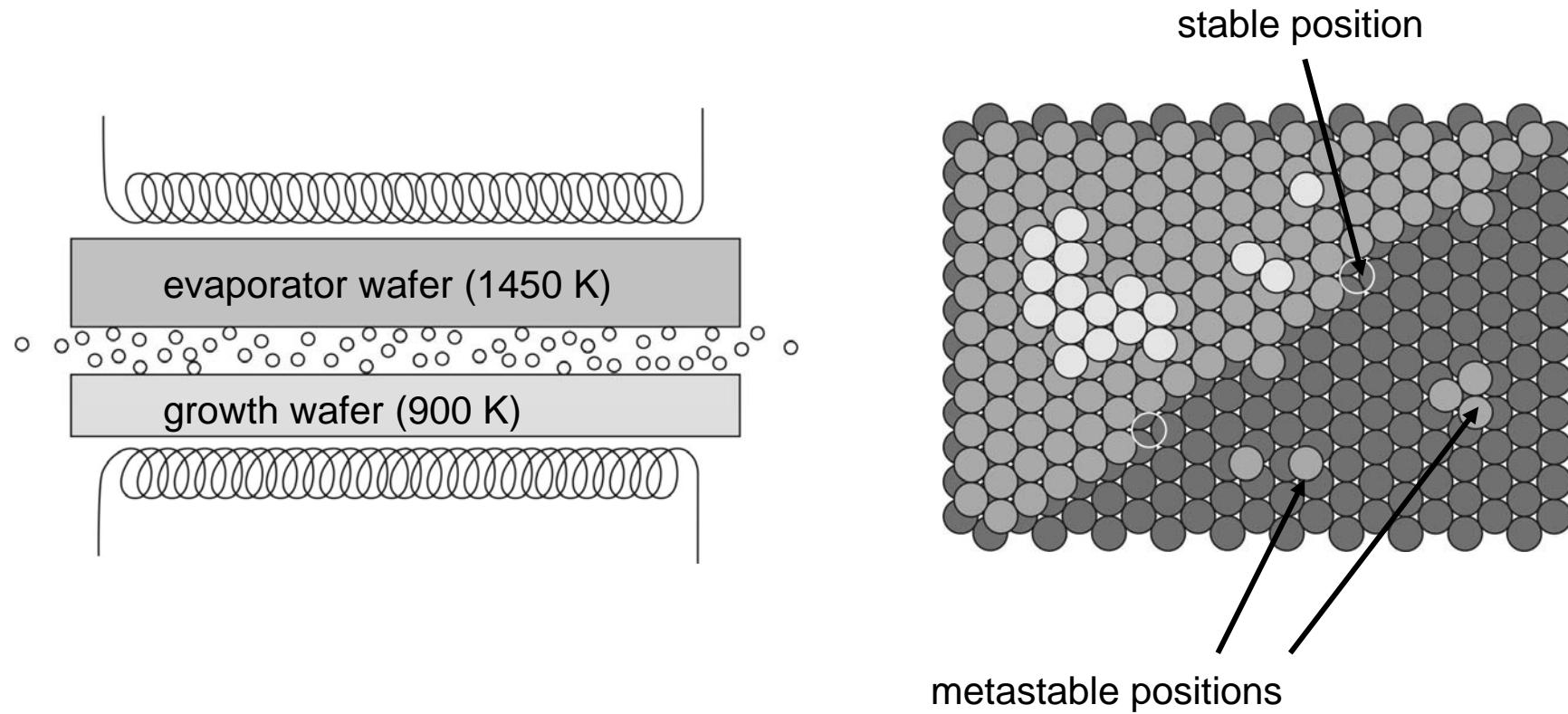
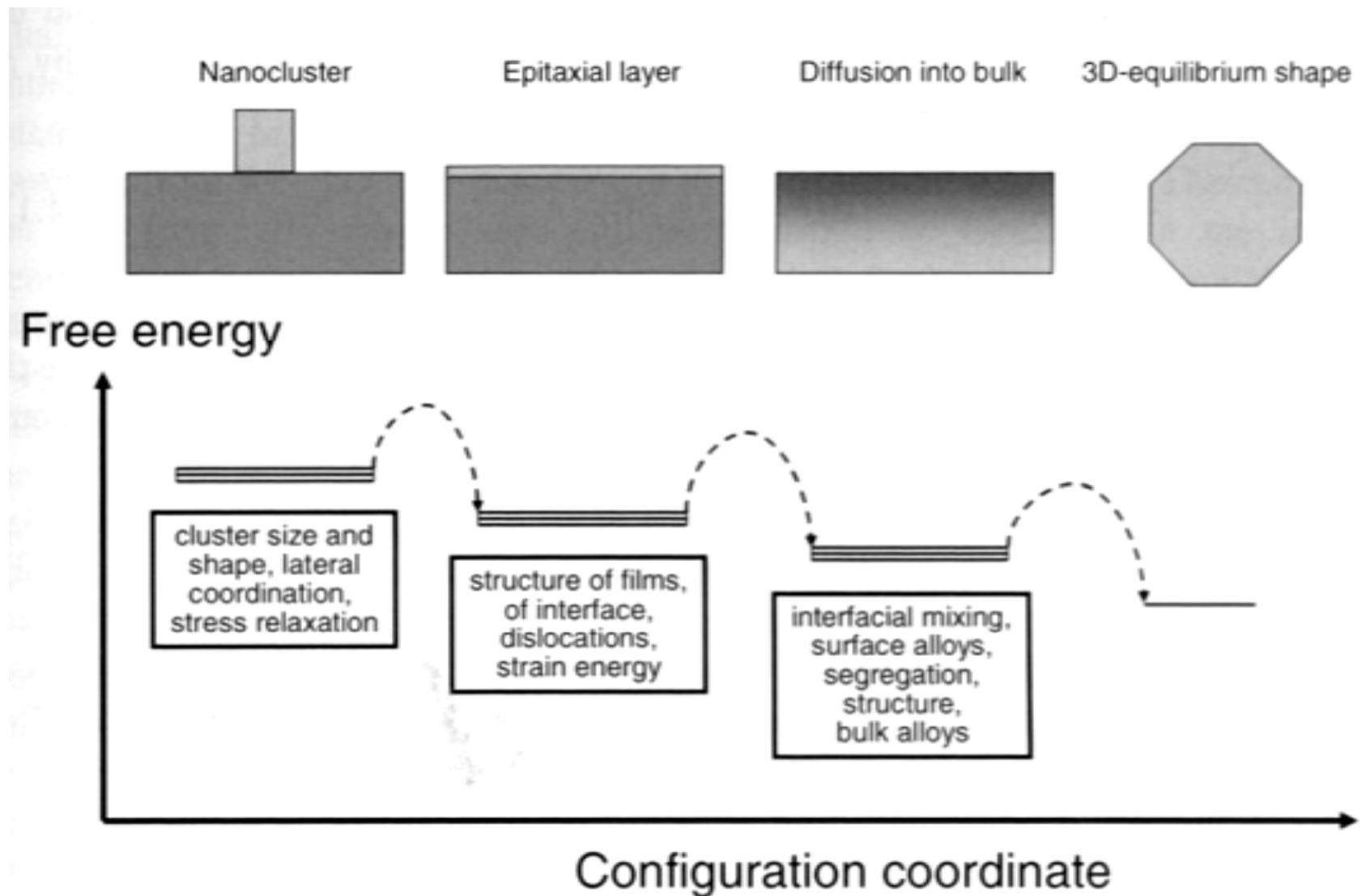


Fig. 4.1

T. Michely and J. Krug, Islands, Mounds and Atoms (Springer 2004)

## Metastable Stages of Partial Equilibrium



**Fig. 4.2.** The hierarchy of equilibria on surfaces (see text for discussion).

Fig. 4.2