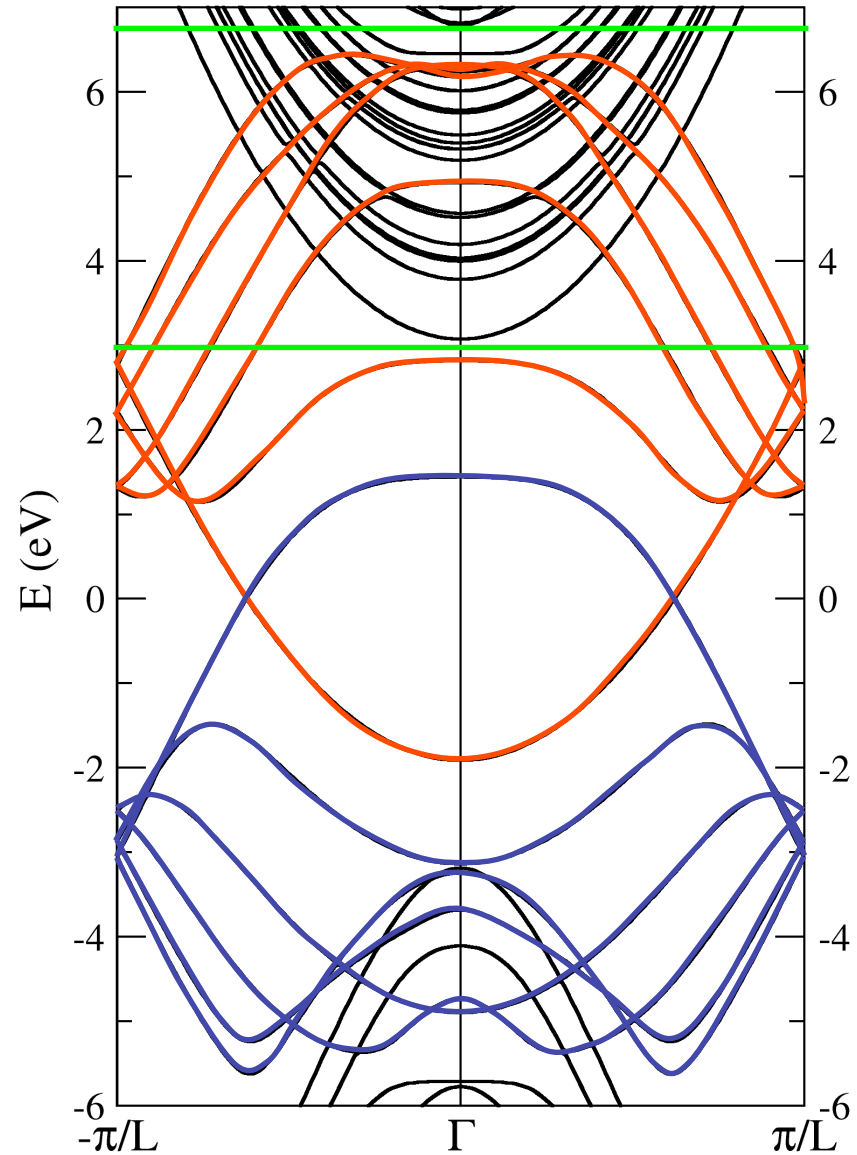
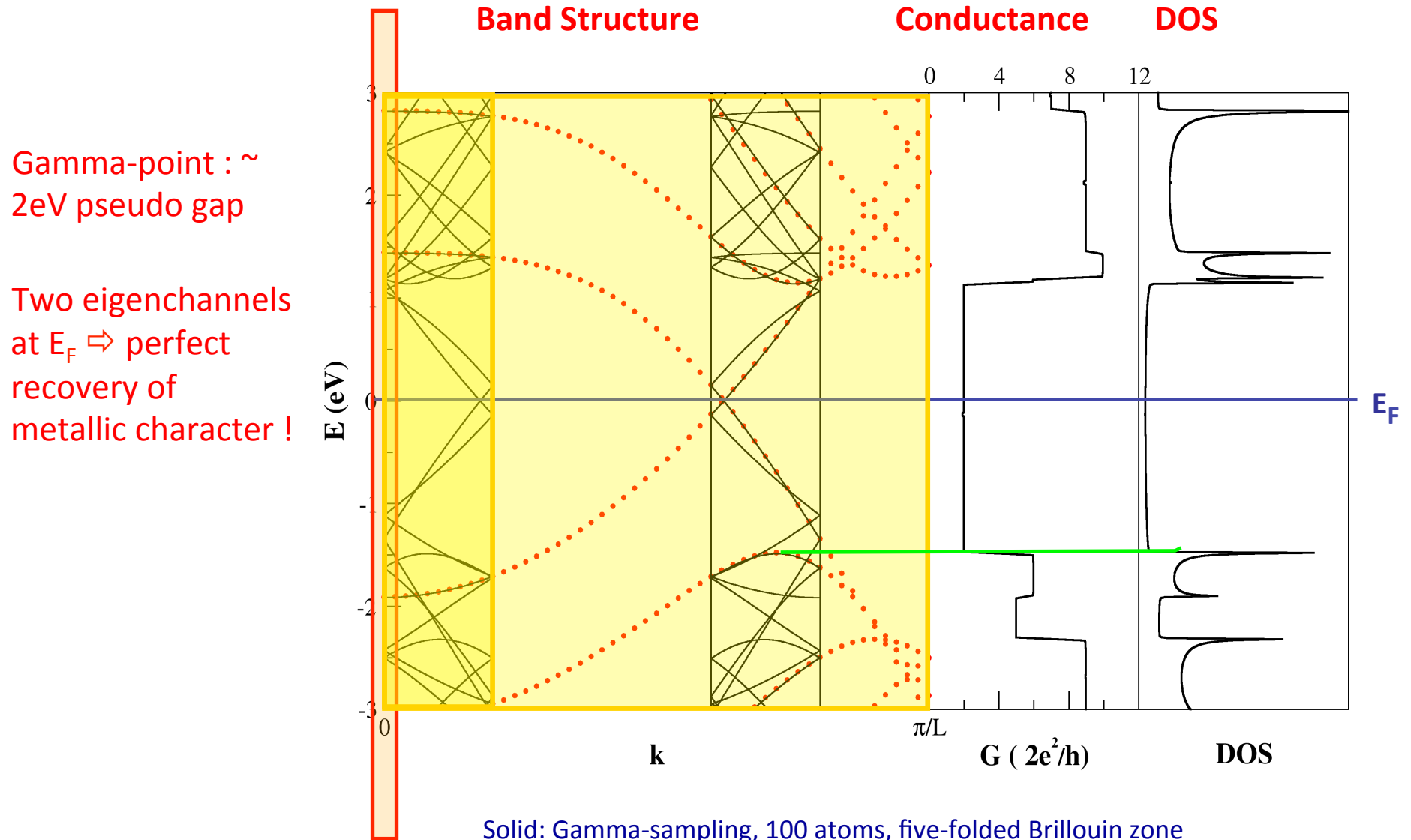


# Disentanglement: Conduction Bands in (5,5) SWNT

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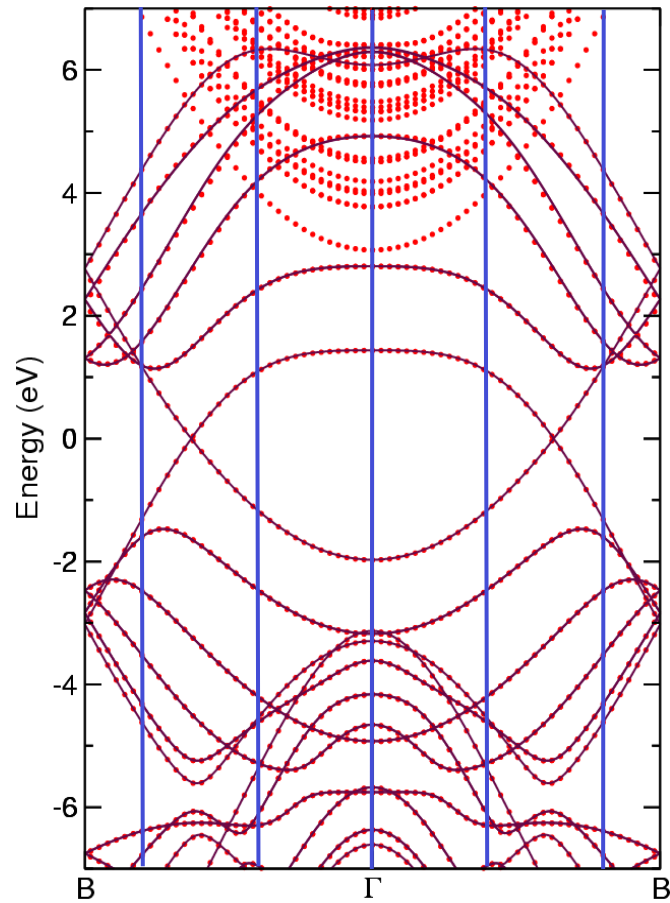
# Band Structure and Conductance of a (5,5) SWCNT



Solid: Gamma-sampling, 100 atoms, five-folded Brillouin zone  
 Dotted: Full SCF calculation (5 k-points, 20 atoms supercell)

# Exact Mapping onto a Tight-Binding Hamiltonian

(5,5) SWCNT



(8,0) SWCNT

