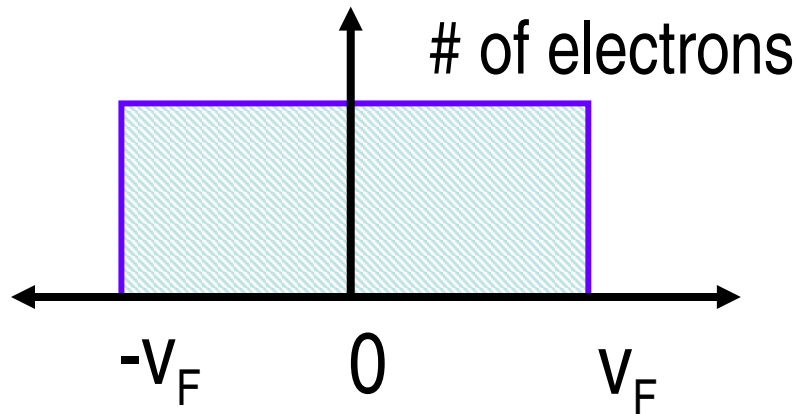
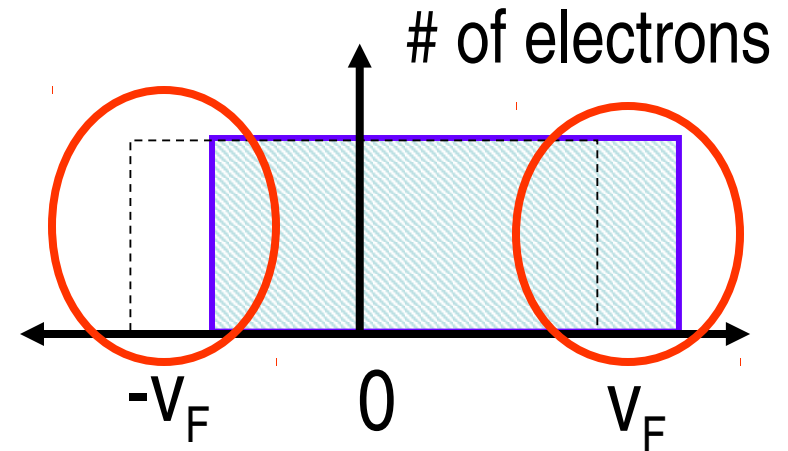


The “surface” of the Fermi sea is where the action is!

No electrical current



Finite electrical current



When electrical current flows in a metal, the Fermi sea is shifted so there are more “right movers” than “left movers”.