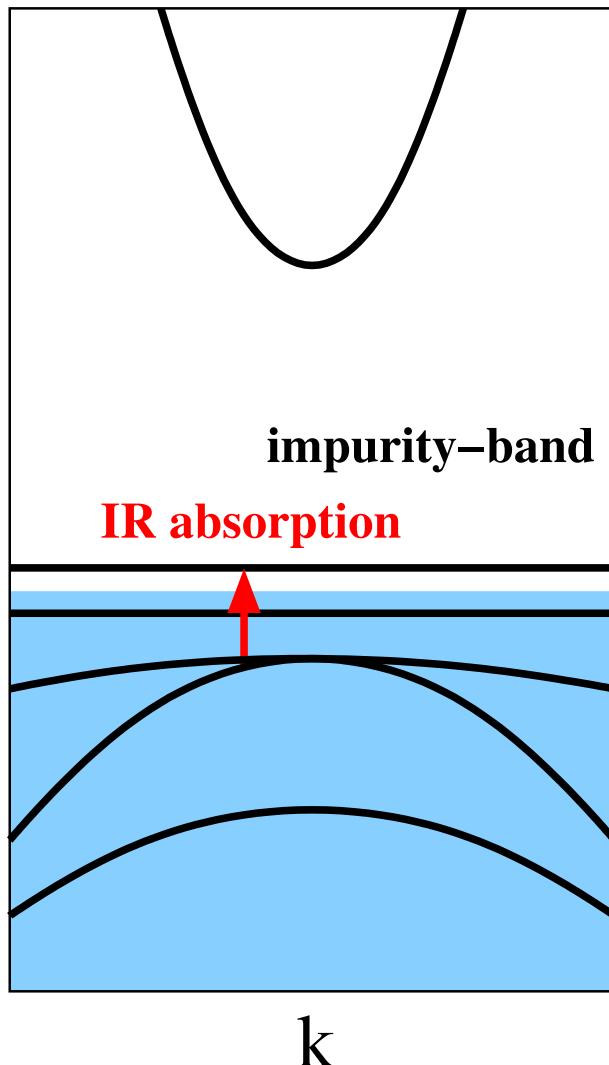
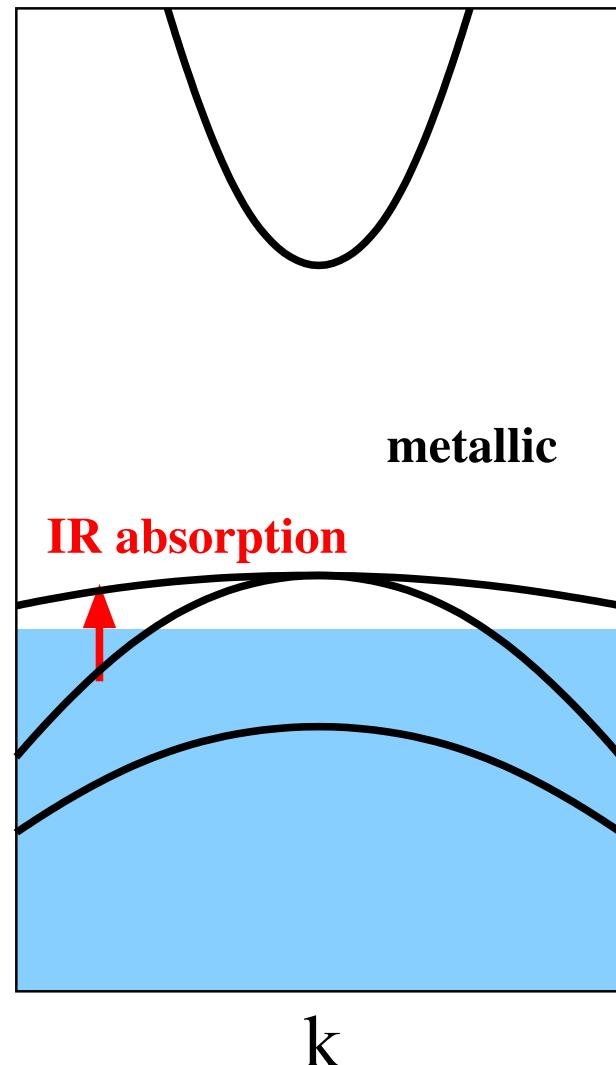


$E$ 

impurity-band

IR absorption

 $E$ 

metallic

IR absorption