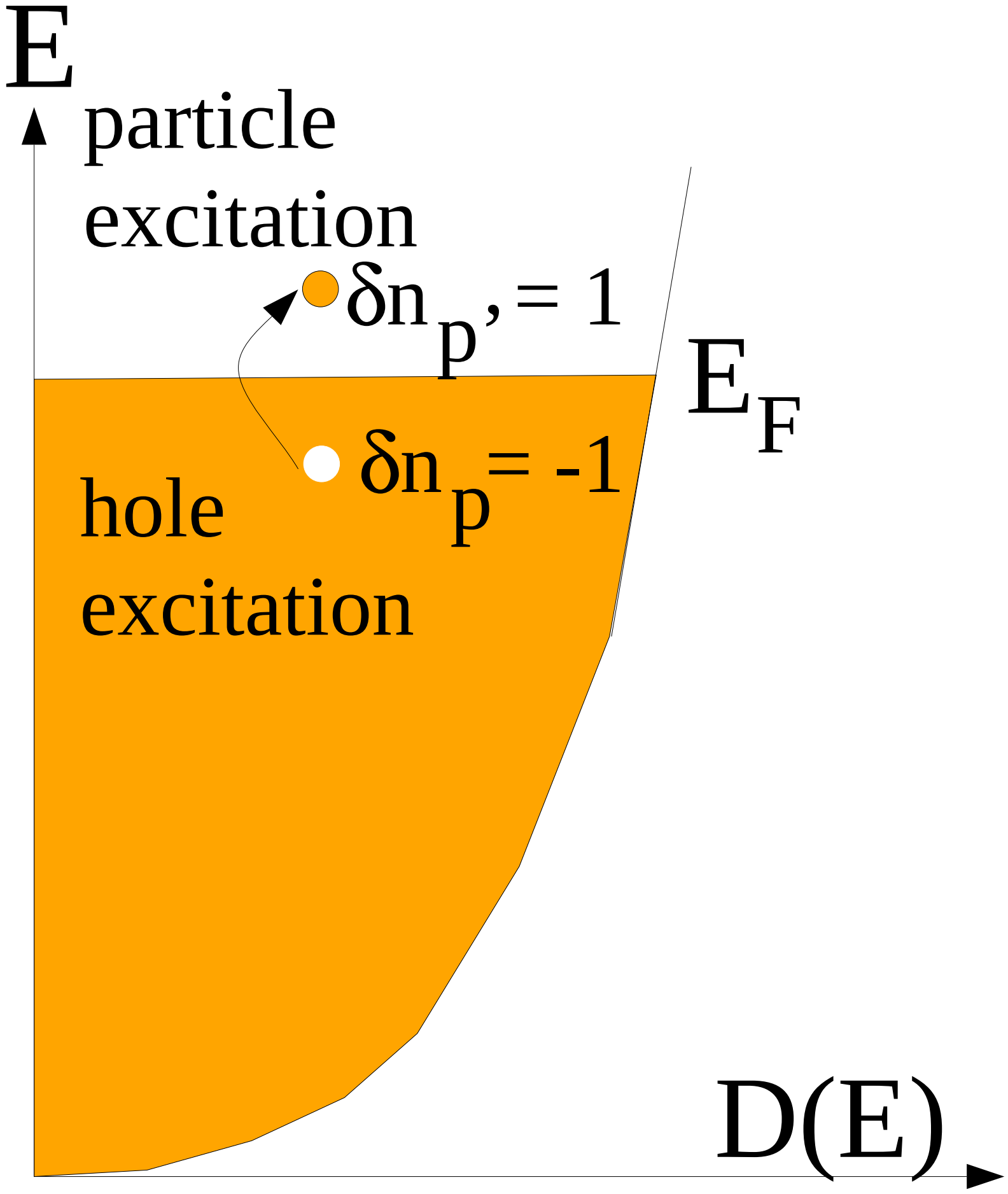
E
particle
excitation
δn_p, = 1
E_F
δn_p = -1
hole
excitation
D(E)