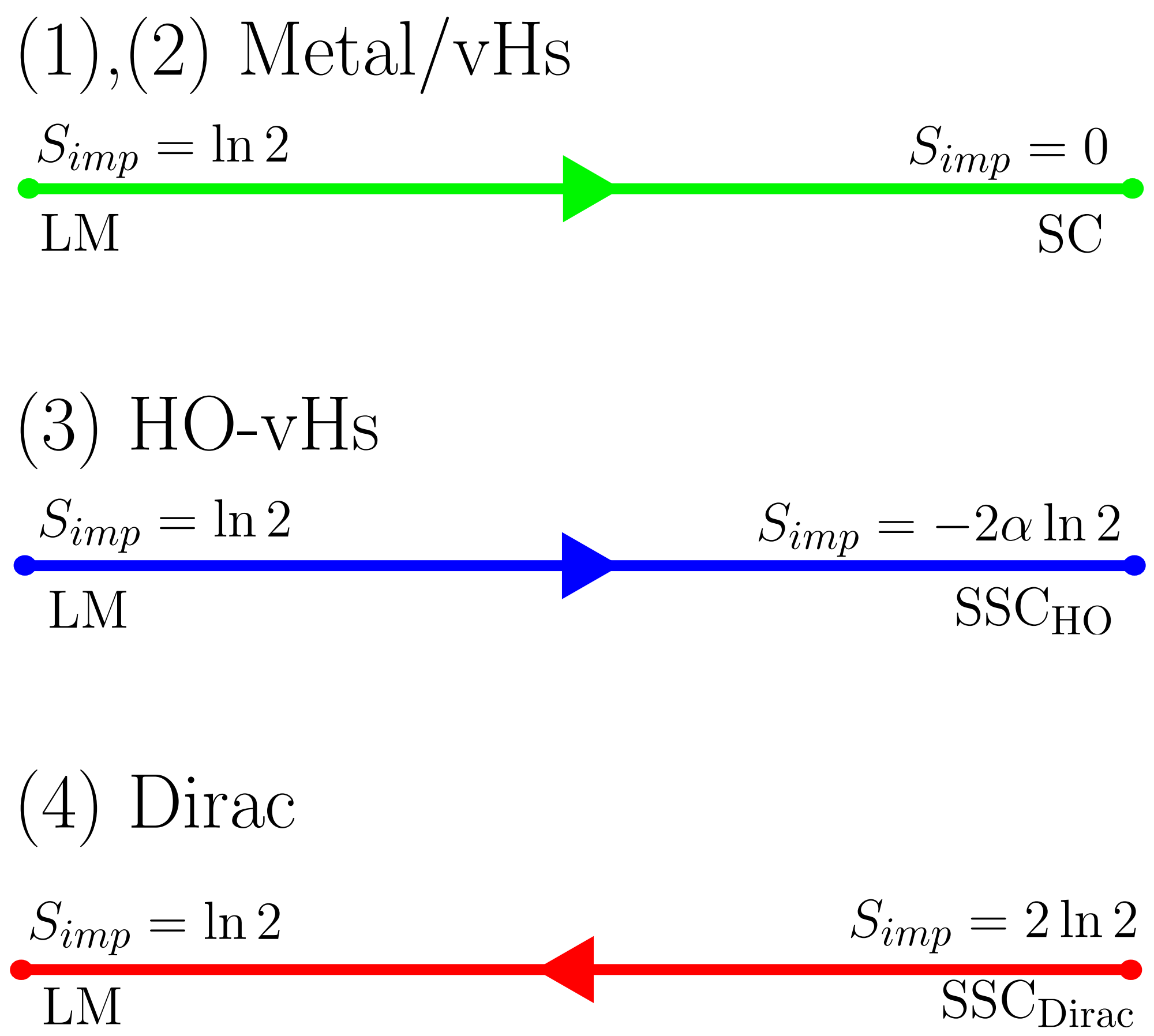
(1),(2) Metal/vHs
$S_{imp} = \ln 2$
$S_{imp} = 0$
LM
SC
(3) HO-vHs
$S_{imp} = \ln 2$
$S_{imp} = -2\alpha \ln 2$
LM
$\mathrm{SSC_{HO}}$
(4) Dirac
$S_{imp} = \ln 2$
$S_{imp} = 2 \ln 2$
LM
$\mathrm{SSC_{Dirac}}$