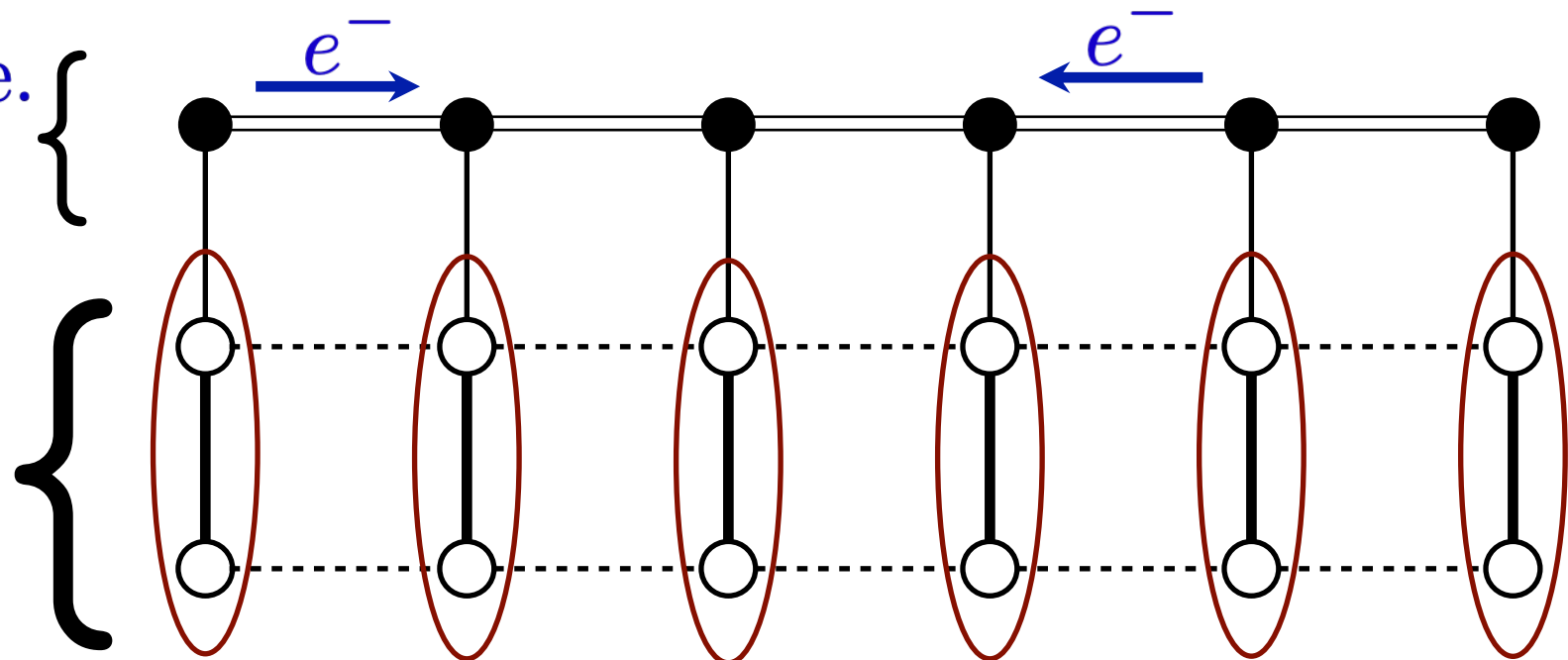


Large Fermi surface.
Density: $1 - p$

Trivial insulator



Fermi liquid

Paramagnon
excitation

