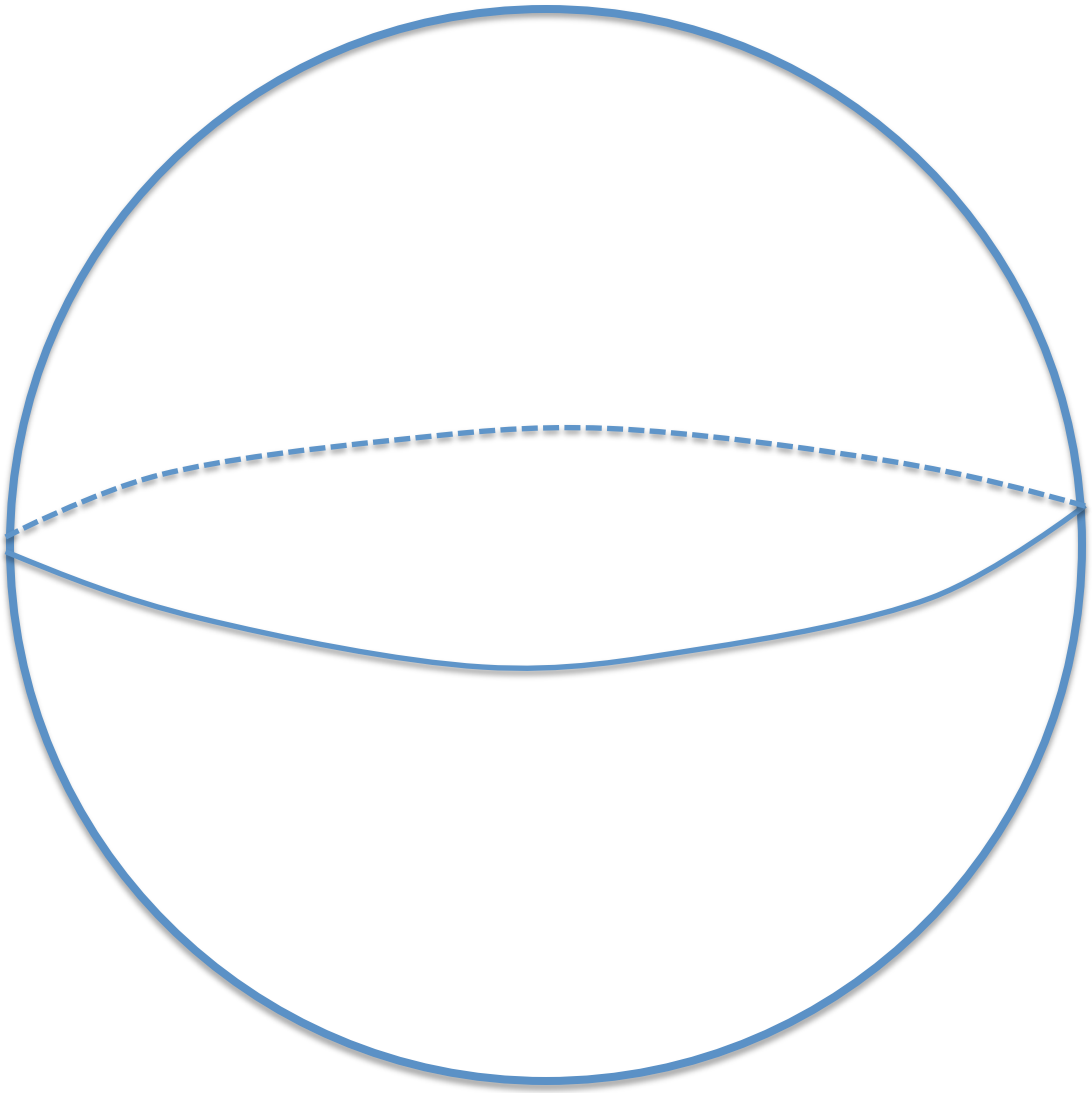
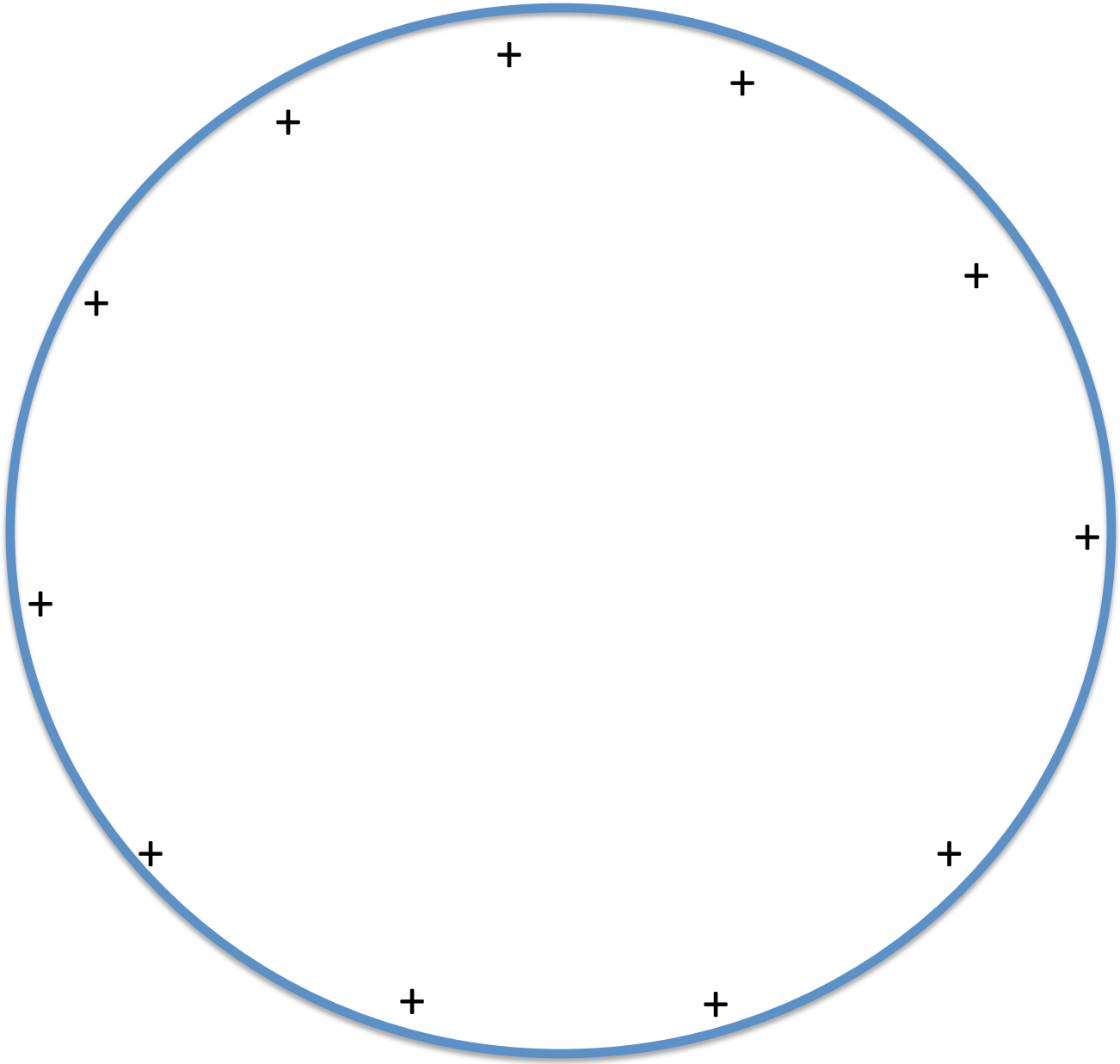
Conducting Sphere with total charge Q

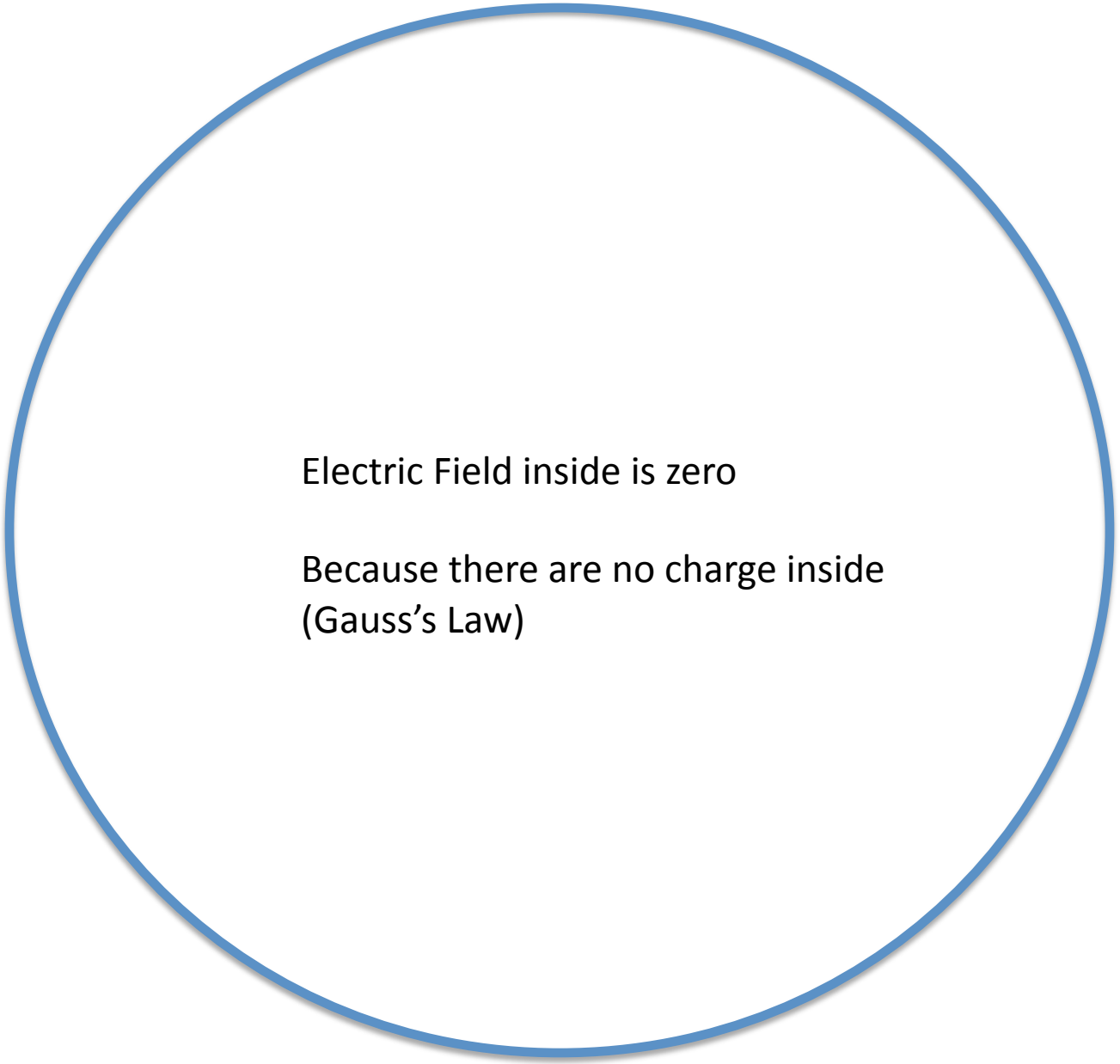


Cross section of a conducting sphere

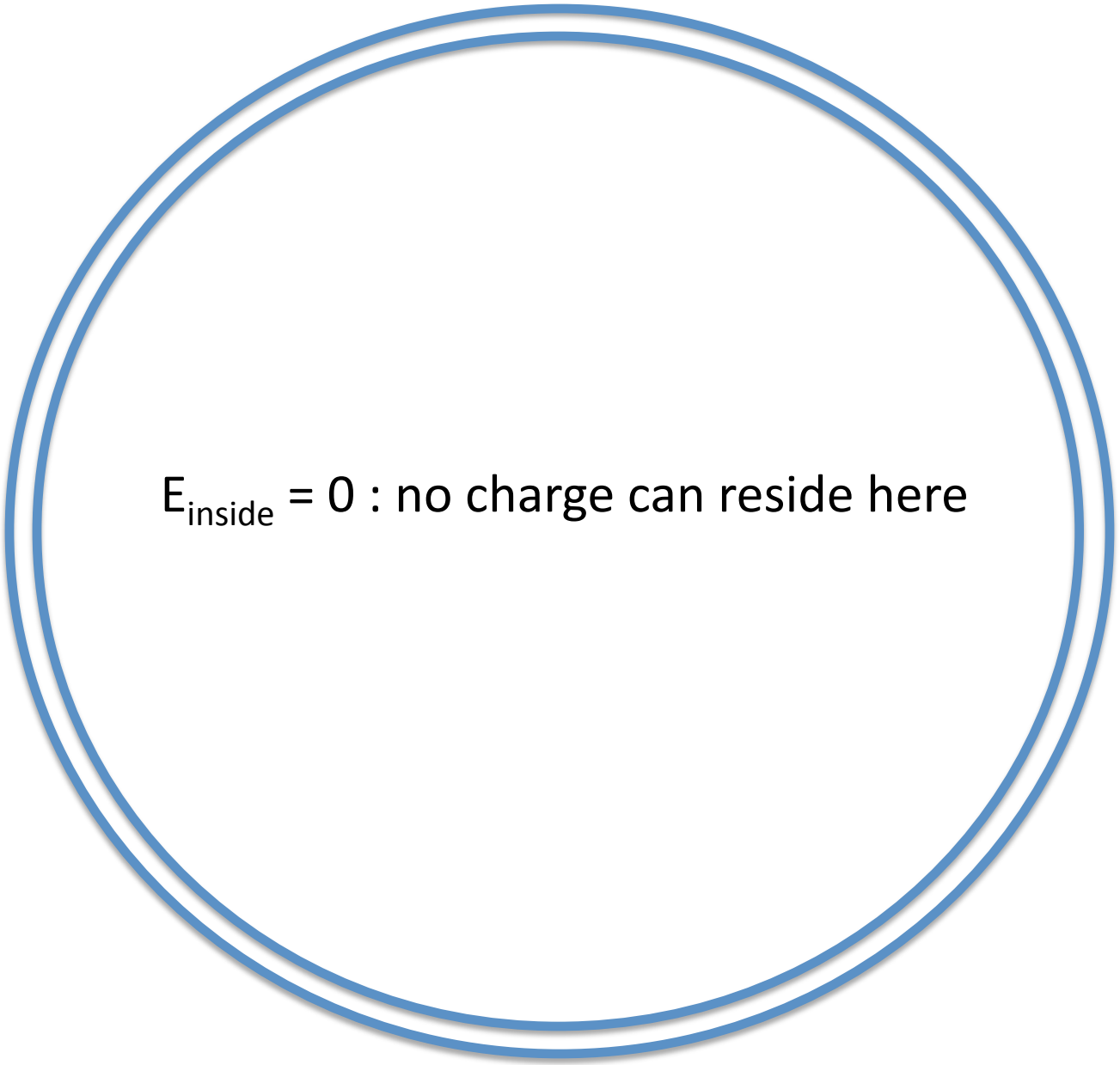
All charges go to the surface of the sphere and uniformly distribute themselves



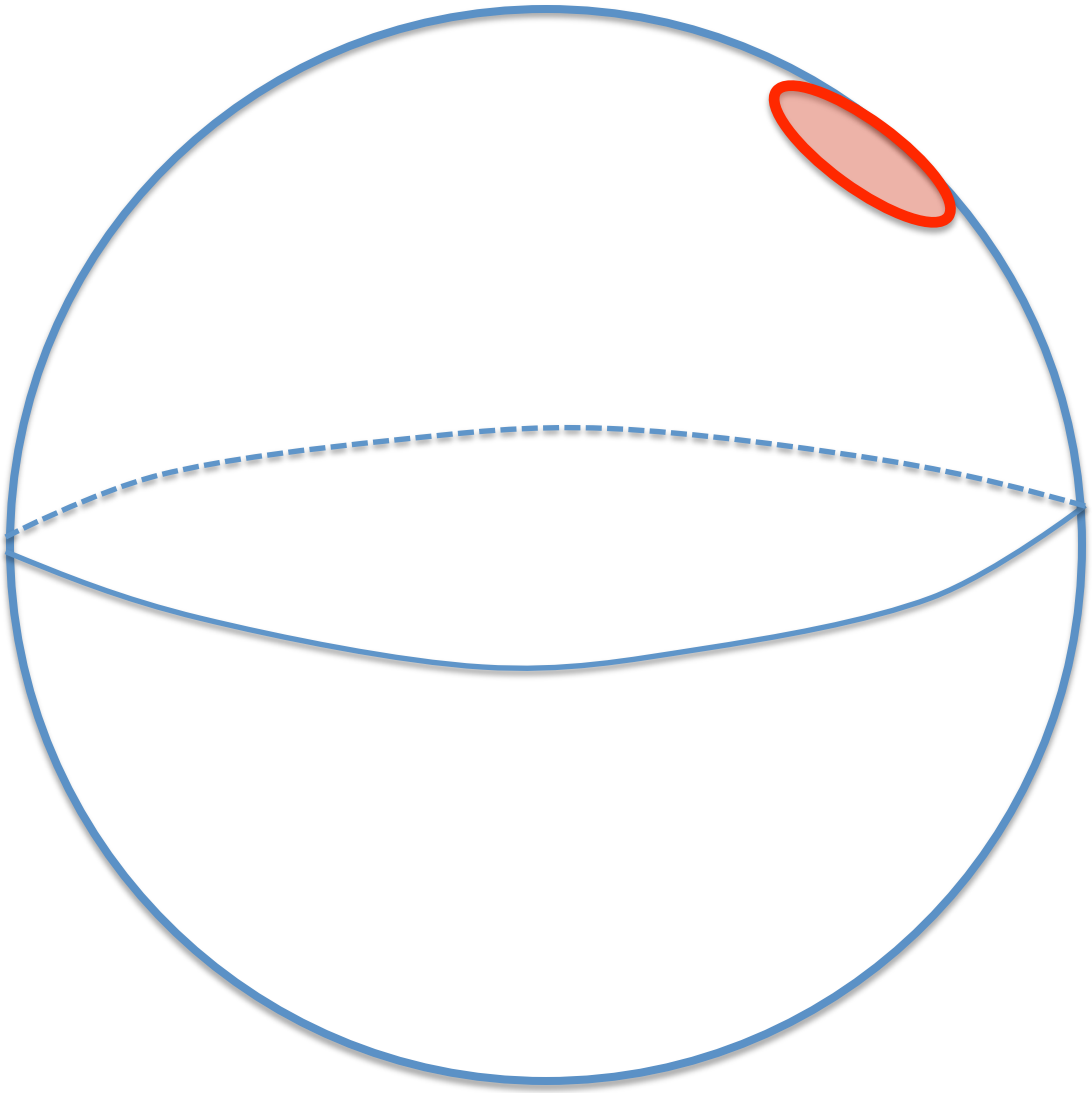
Cross section of a conducting sphere



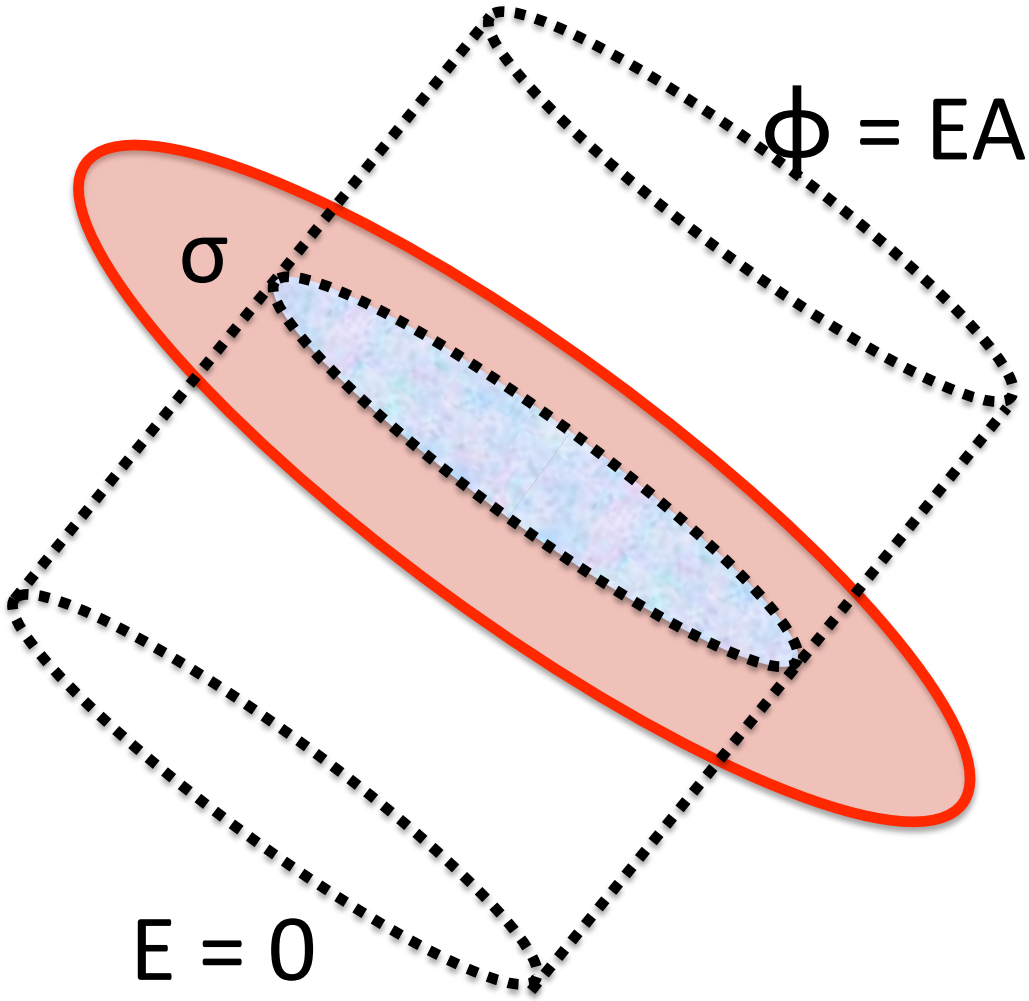
Cross section of a conducting spherical shell:: Faraday cage



Conductive Sphere



Surface of the conductive sphere



$\phi = EA$ $\phi = \sigma A/\varepsilon_0$ $E = \sigma/\varepsilon_0$

Question #1

Can you use Gauss's Law to solve the **electric field** by charged disk?
[For calculating electric field at any arbitrary point]

A. Yes
B. No

Question #2

Can you use Gauss's Law to solve the **electric field** by a dipole?
[For calculating electric field at any arbitrary point]

A. Yes
B. No