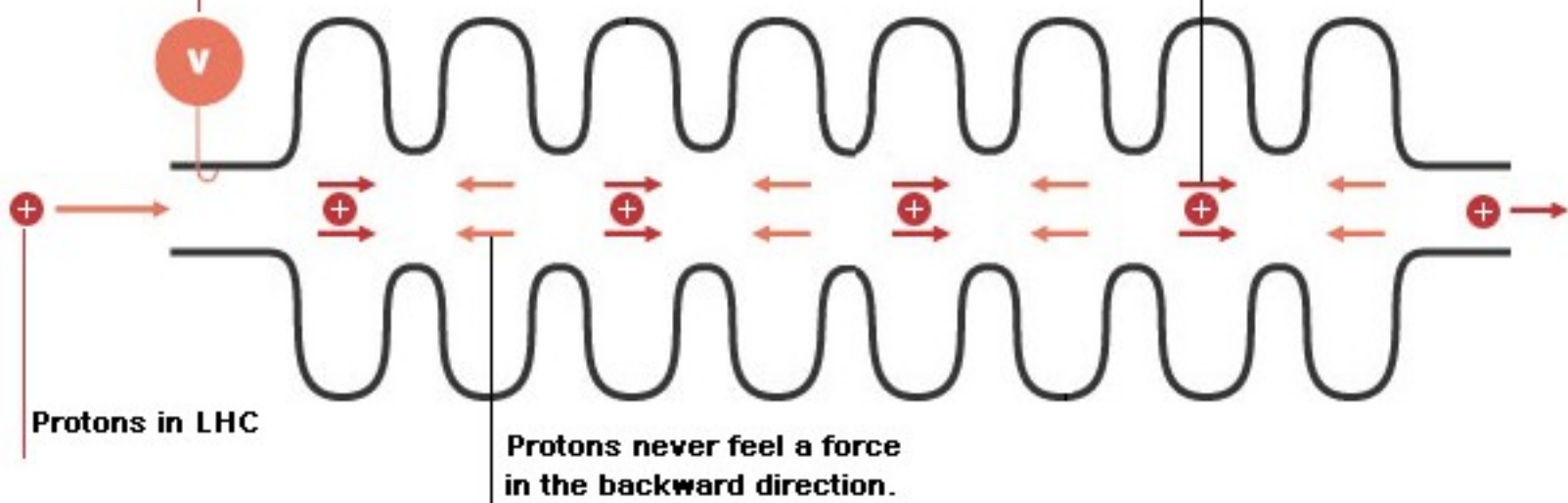


A voltage generator induces an electric field inside the RF cavity. Its voltage oscillates with a radio frequency of 400 MHz.

Protons always feel a force in the forward direction.



Protons in LHC

Protons never feel a force in the backward direction.