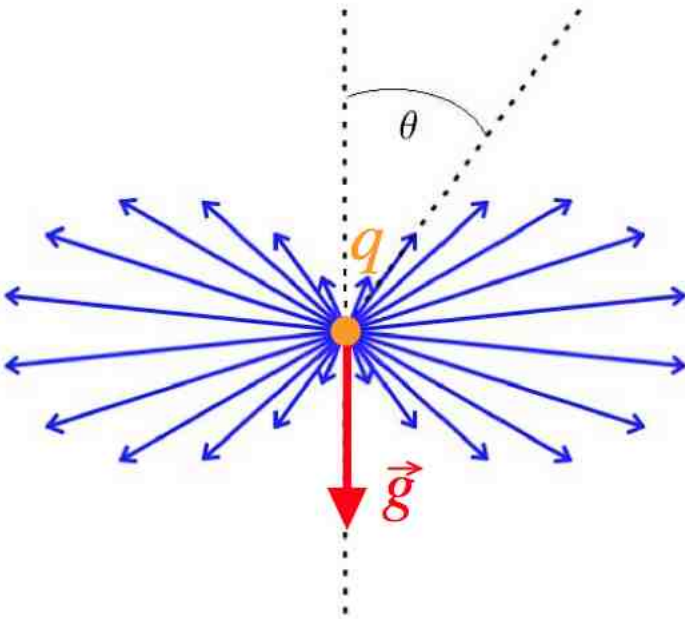


# Strong equivalence principle

Free falling electric charge  $q$  in the gravitational field



Laboratory frame



Rest frame of  $q$

Radiated power:

$$P = \frac{q^2 g^2}{6\pi\epsilon_0 c^3}$$

$$P = 0$$