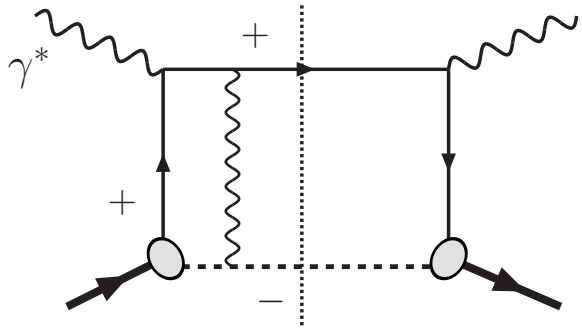
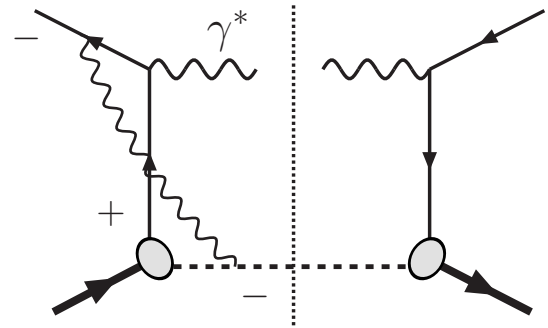
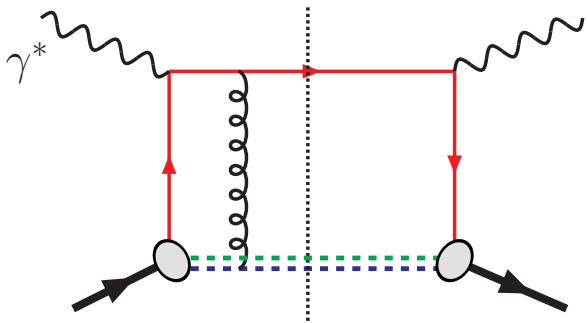


(a)



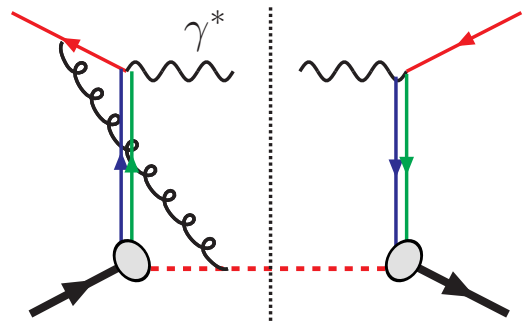
(b)



r (gb)

attractive

(c)



r r

repulsive

(d)