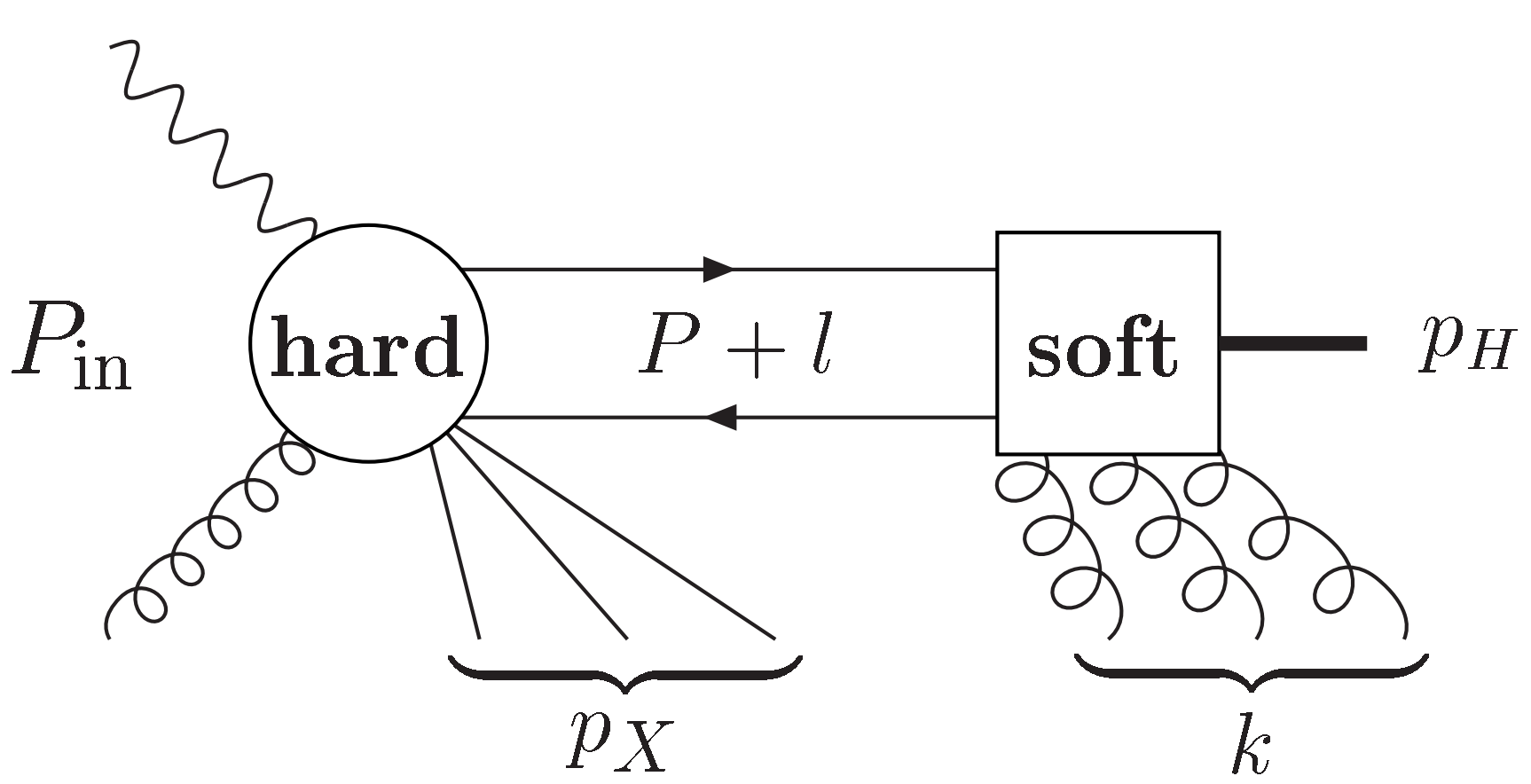
P_{in}
hard
$P + l$
soft
p_H
p_X
k