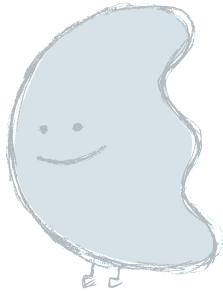


BOSON

CARRIER

photon



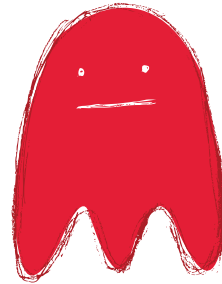
$\gamma$

 IceCube SOUTH POLE NEUTRINO OBSERVATORY

BOSON

CARRIER

Z boson



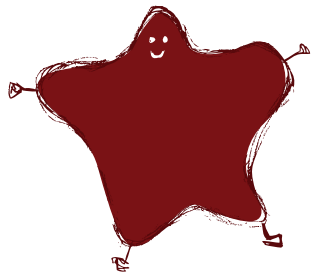
Z

 IceCube SOUTH POLE NEUTRINO OBSERVATORY

BOSON

CARRIER

W boson



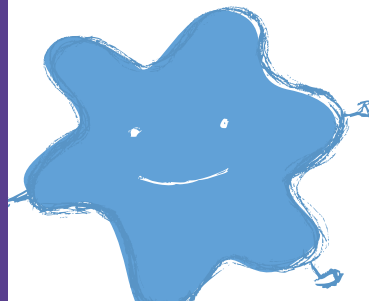
$W^{\pm}$

 IceCube SOUTH POLE NEUTRINO OBSERVATORY

BOSON

CARRIER

gluon

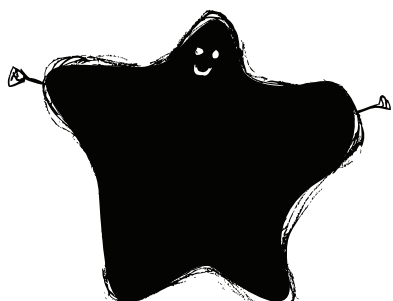


g

 IceCube SOUTH POLE NEUTRINO OBSERVATORY

BOSON

Higgs boson



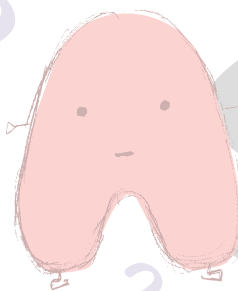
H

 IceCube SOUTH POLE NEUTRINO OBSERVATORY

BOSON

CARRIER CANDIDATE

graviton



G

 IceCube SOUTH POLE NEUTRINO OBSERVATORY

SPIN = 1

## Properties

mass= 91.1876 GeV  
charge = neutral  
flavor = yes  
color = no  
weak interaction carrier

interaction?

SPIN = 1

## Properties

mass= 0  
charge= neutral  
flavor = no  
color = no  
electromagnetic interaction carrier

interaction?

SPIN = 1

## Properties

mass= 0  
charge= neutral  
flavor = no  
color = yes  
strong interaction carrier

interaction?

SPIN = 1

## Properties

mass= 80.385 GeV  
charge = +1 or -1  
flavor = yes  
color = no  
weak interaction carrier

interaction?

SPIN = 2

## Properties

mass= 0  
charge= 0  
flavor = no  
color = no

interaction?

SPIN = 0?

## Properties

mass= 125.3 GeV  
charge = neutral  
flavor = yes  
color = no

interaction?