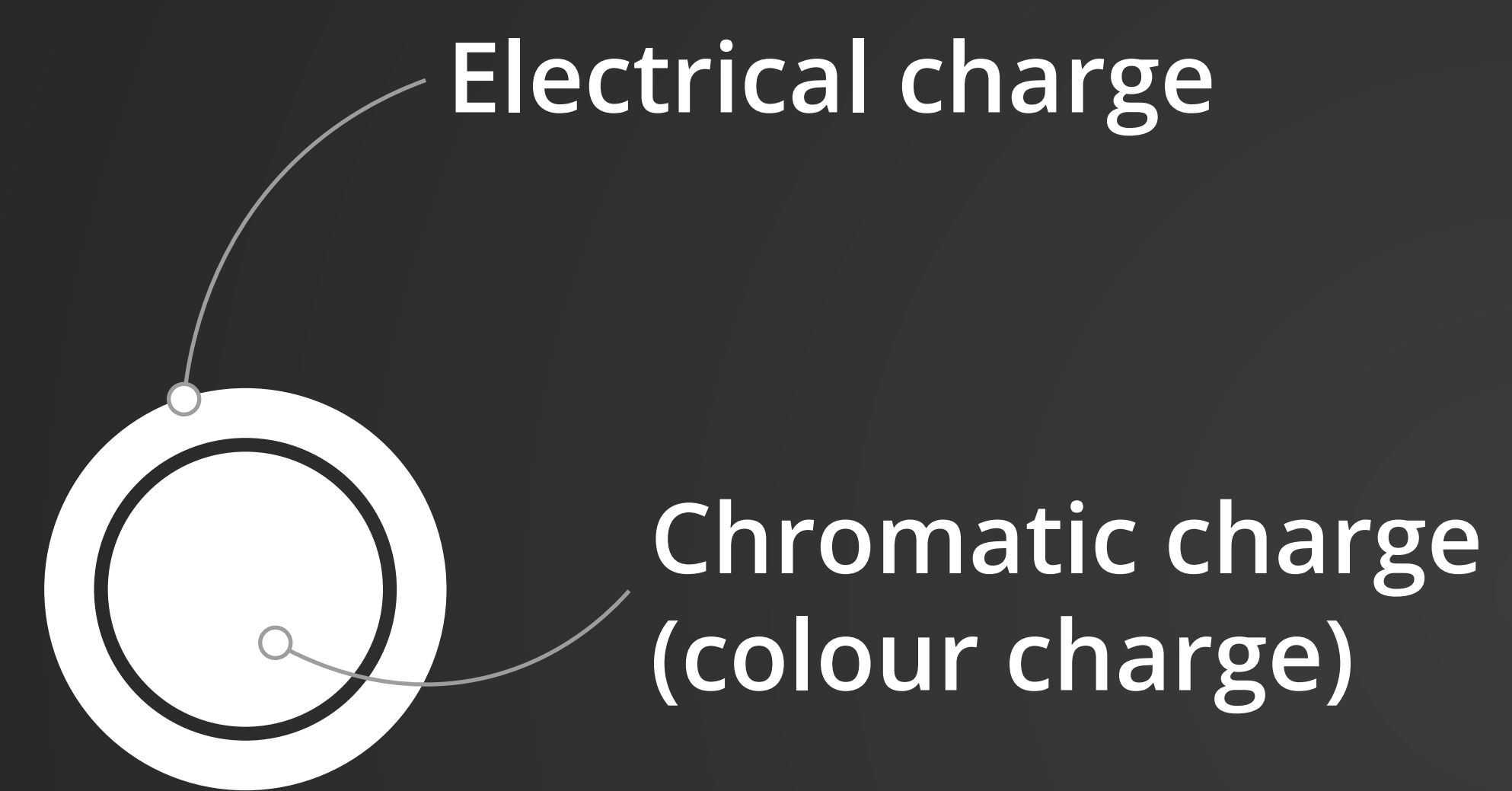
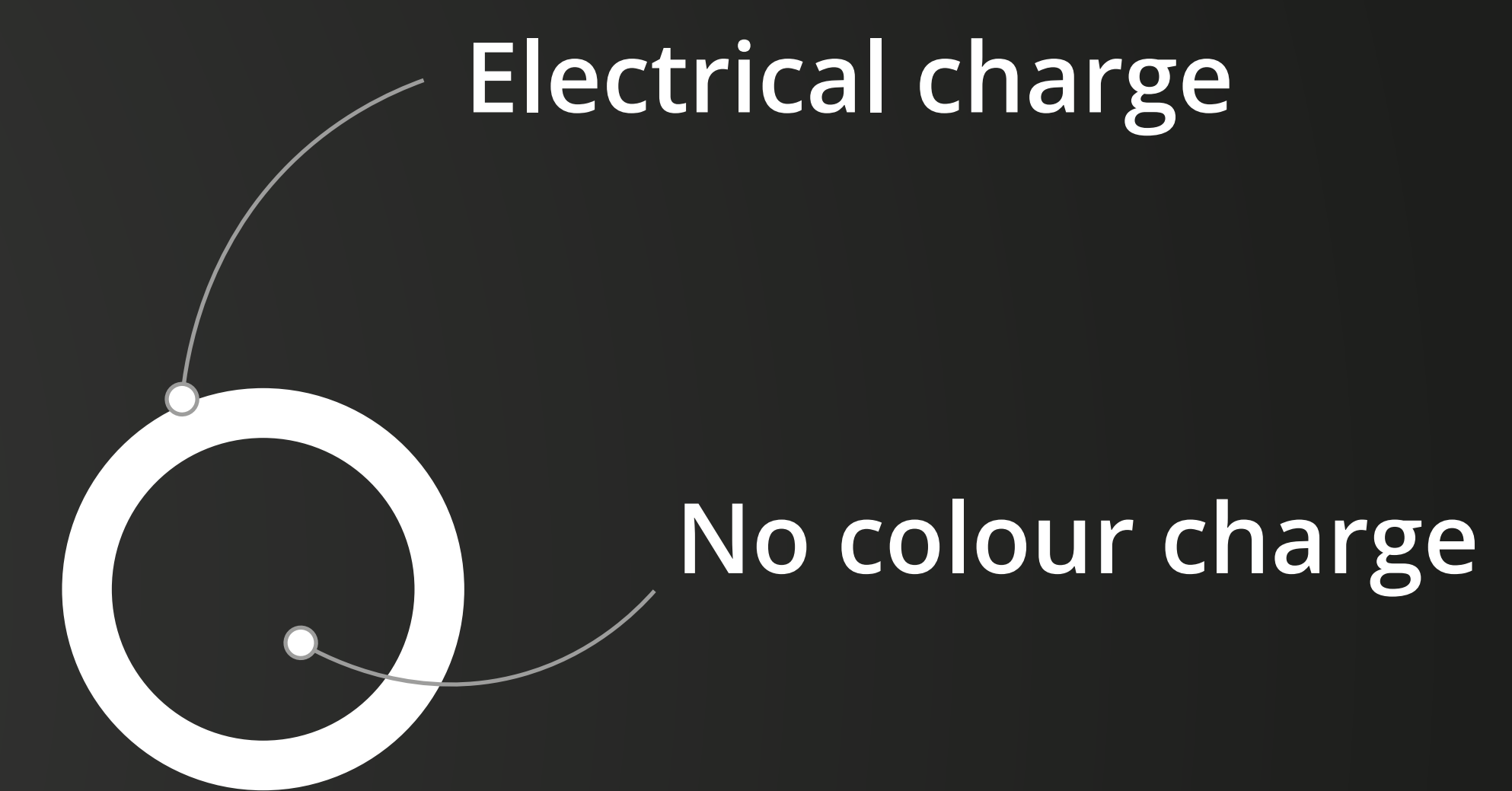


Standard Model particles



Quark

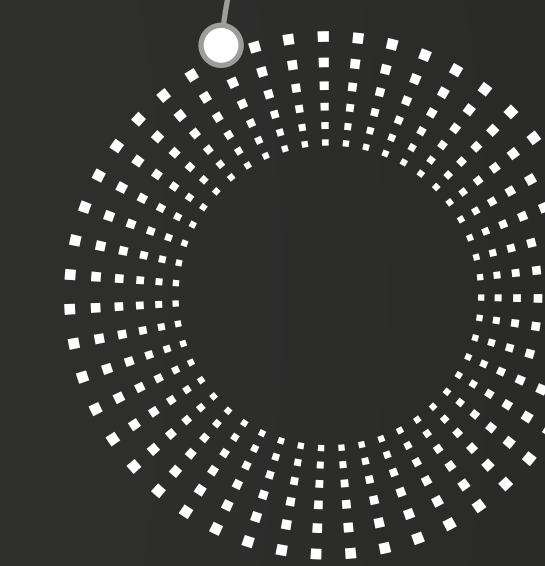


Lepton



Gauge boson

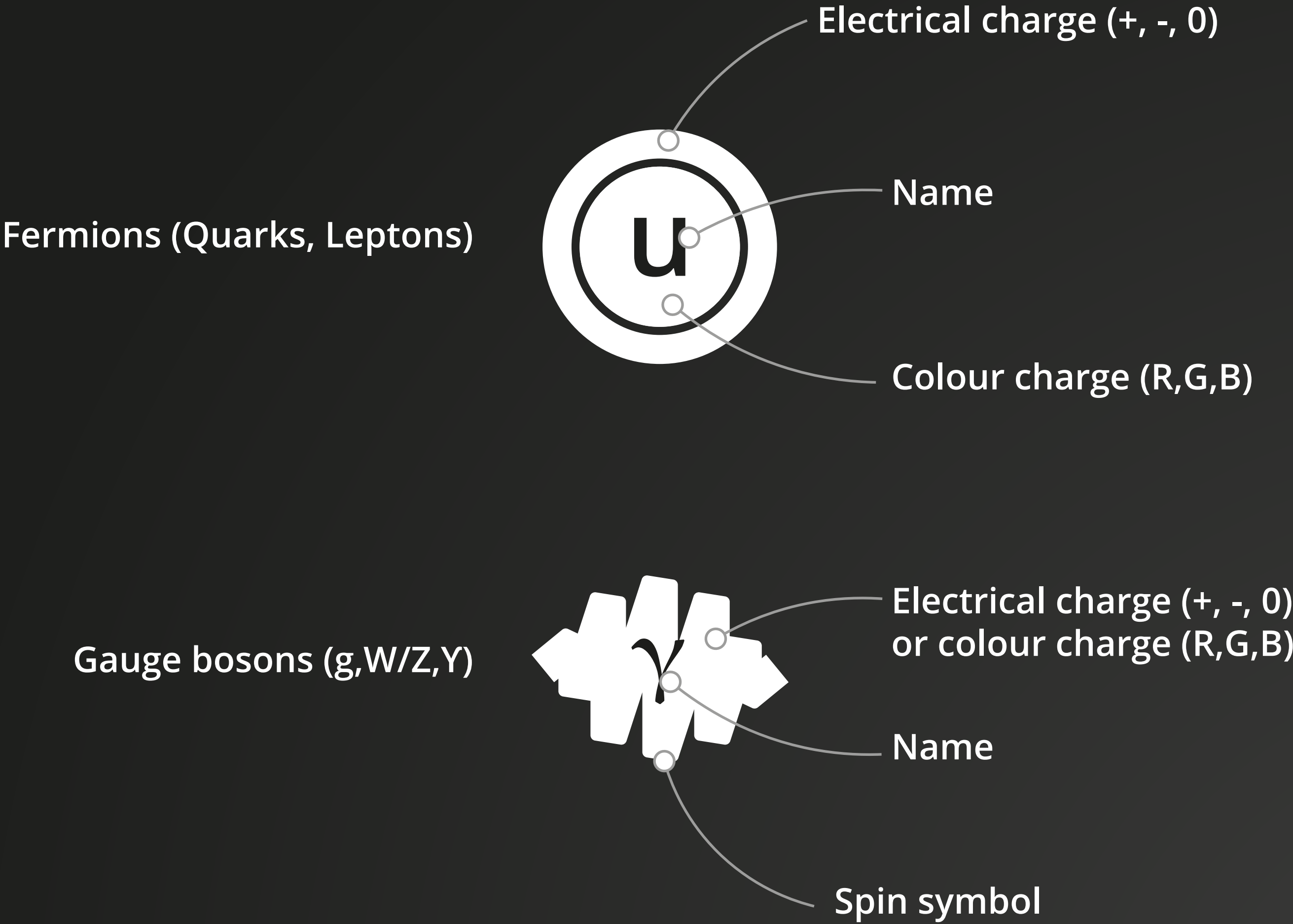
Representation in flat spin
Reminder of the 3D version



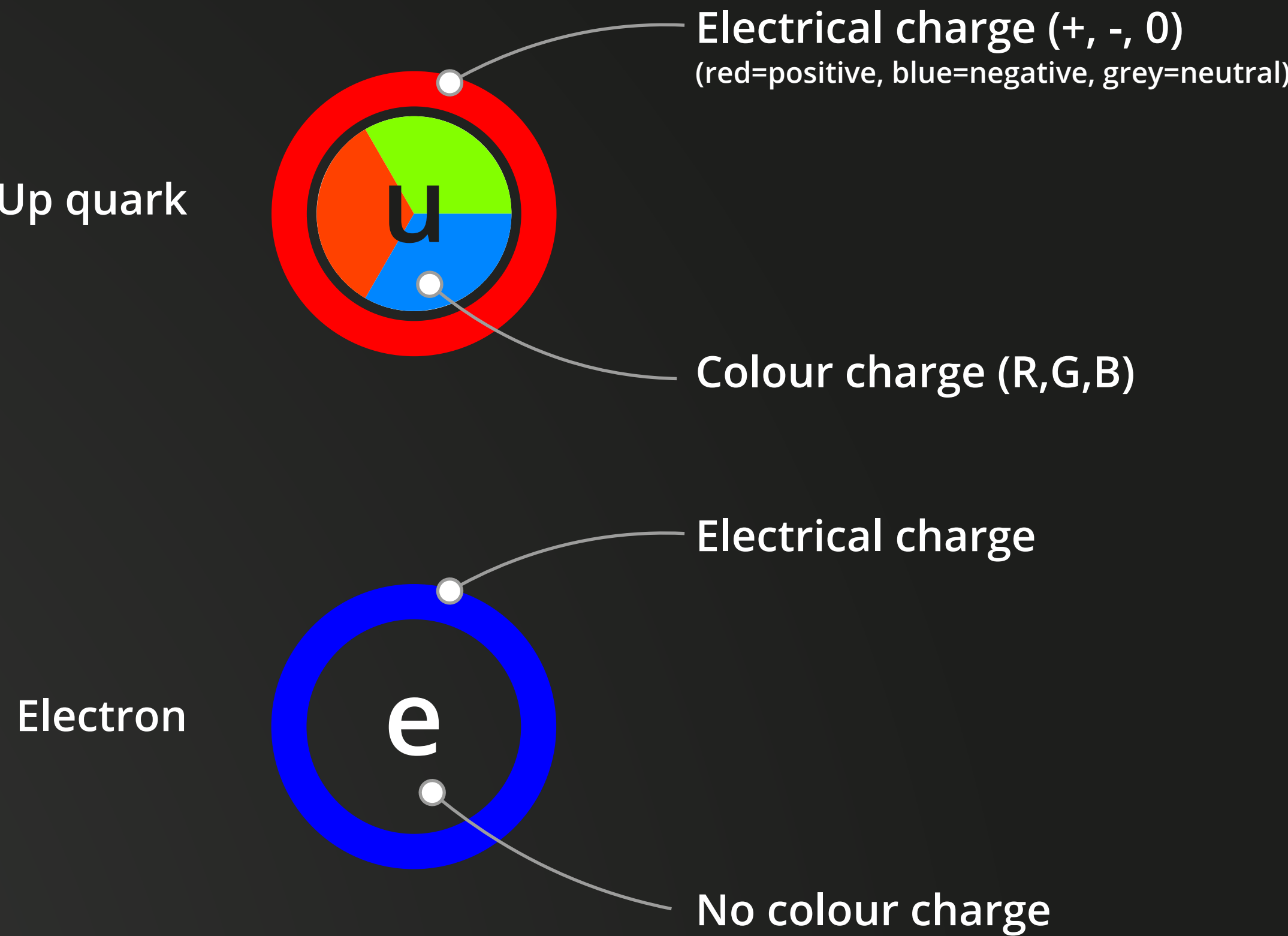
Scalar boson

Resulting from field fluctuation
No spin, so it must be symmetrical

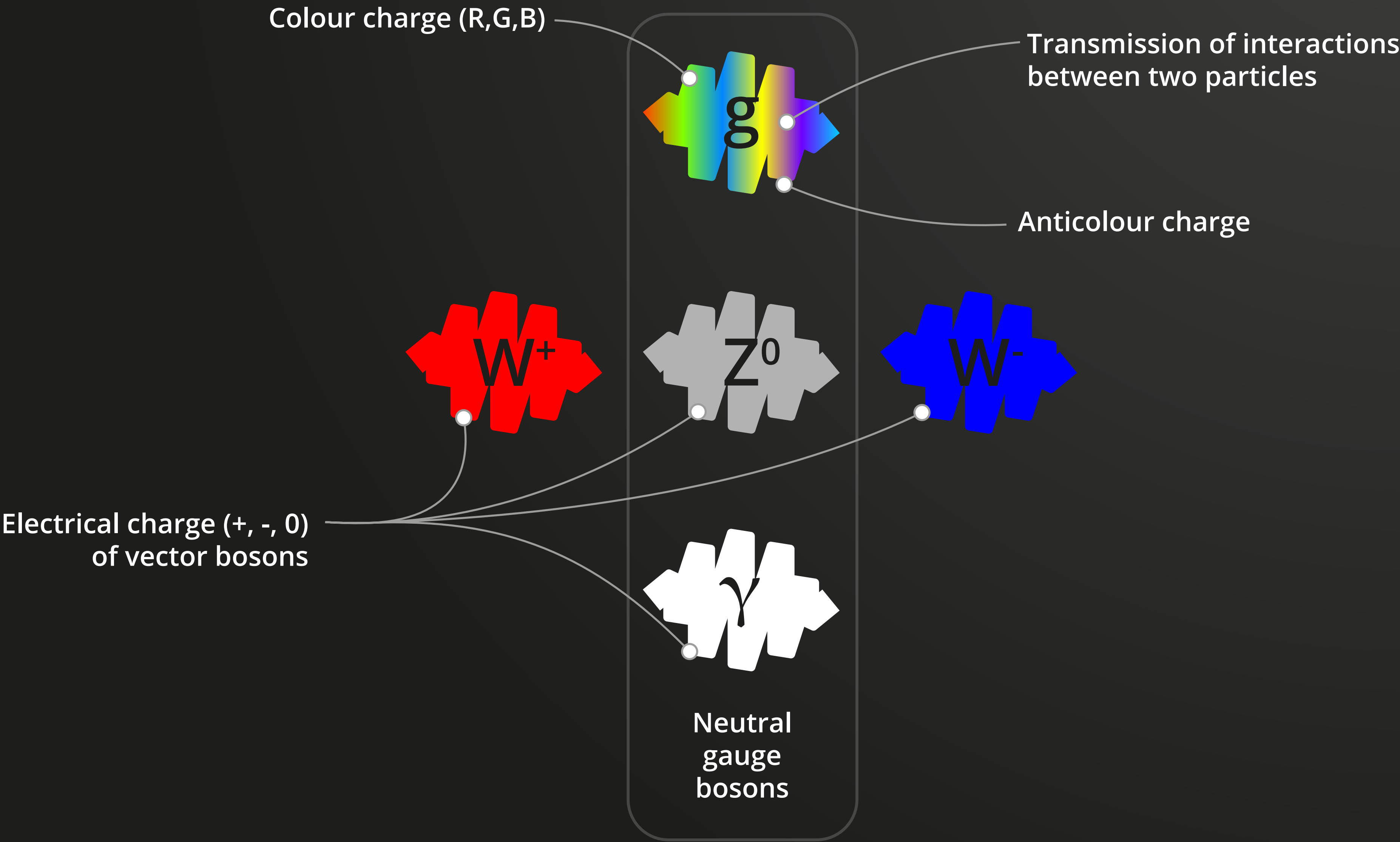
Representation of particles



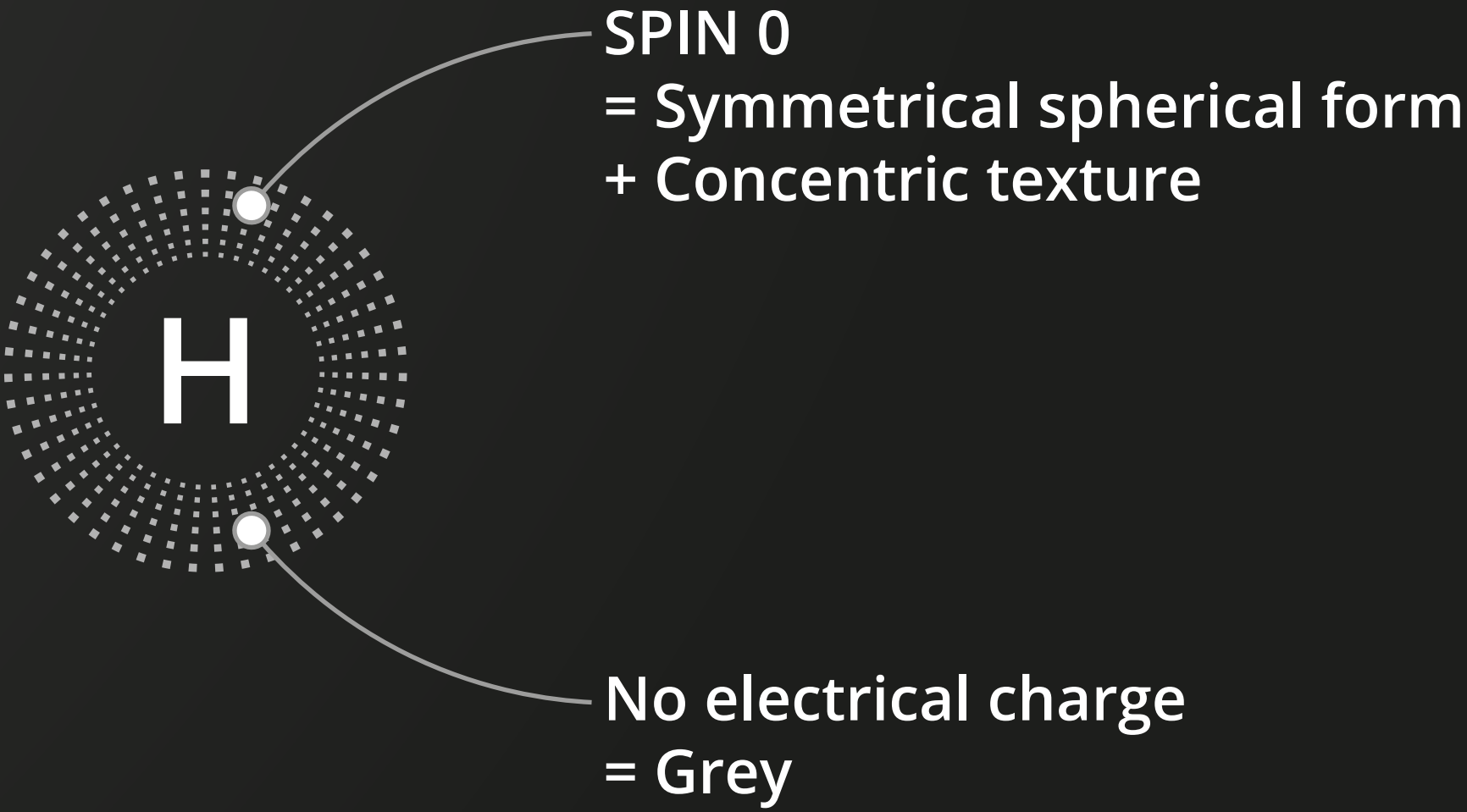
Fermions

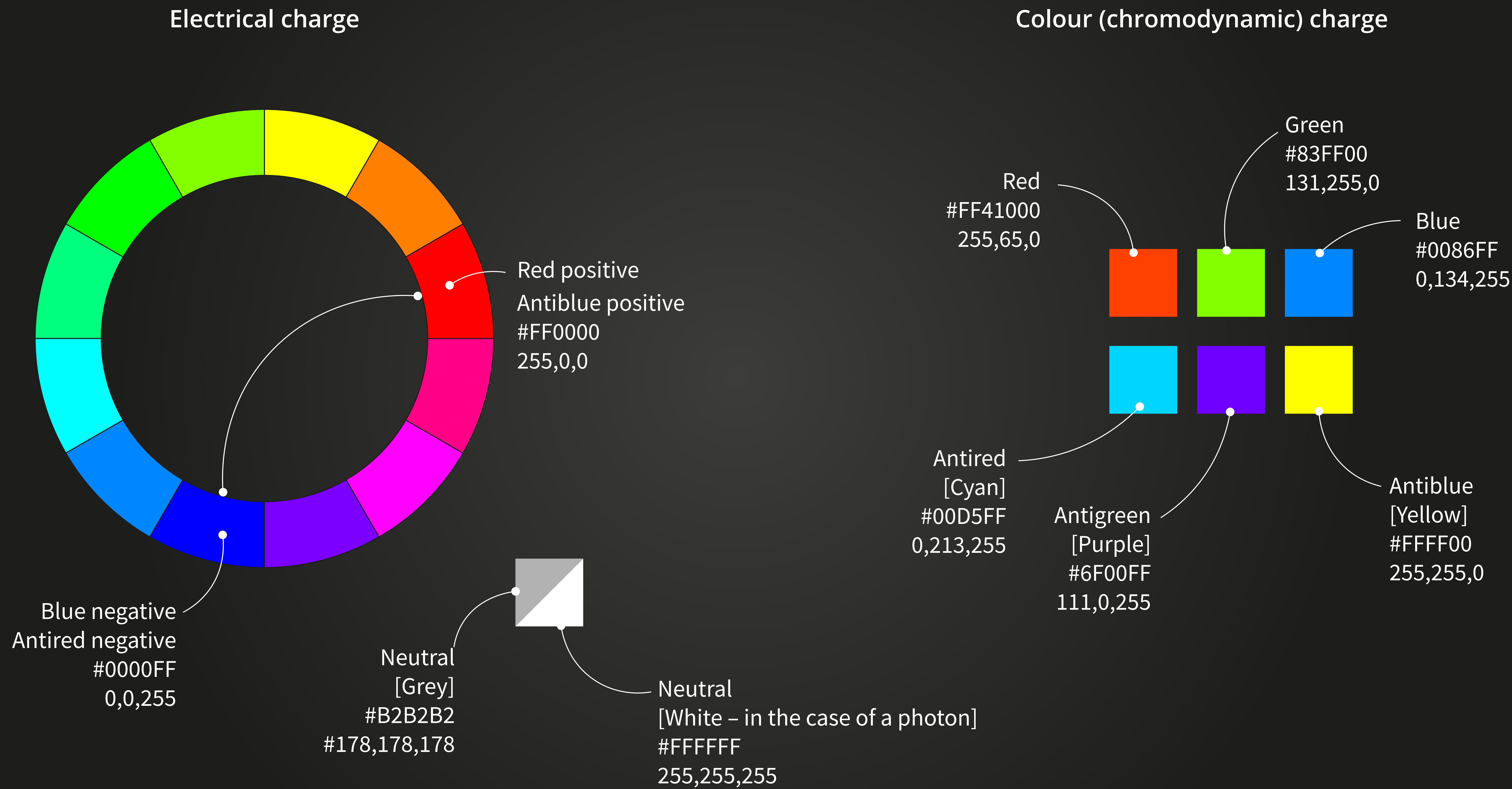


Bosons

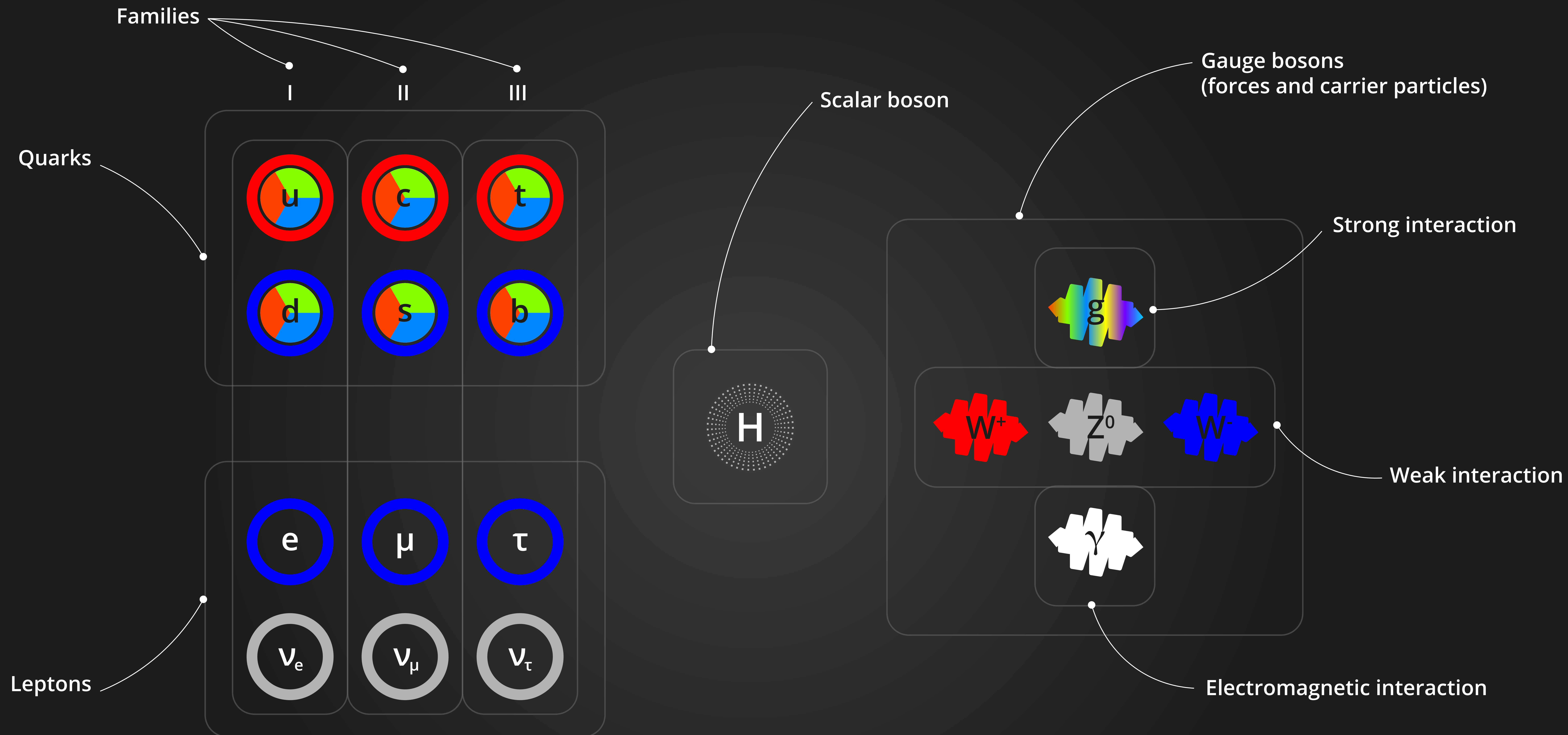


Higgs boson

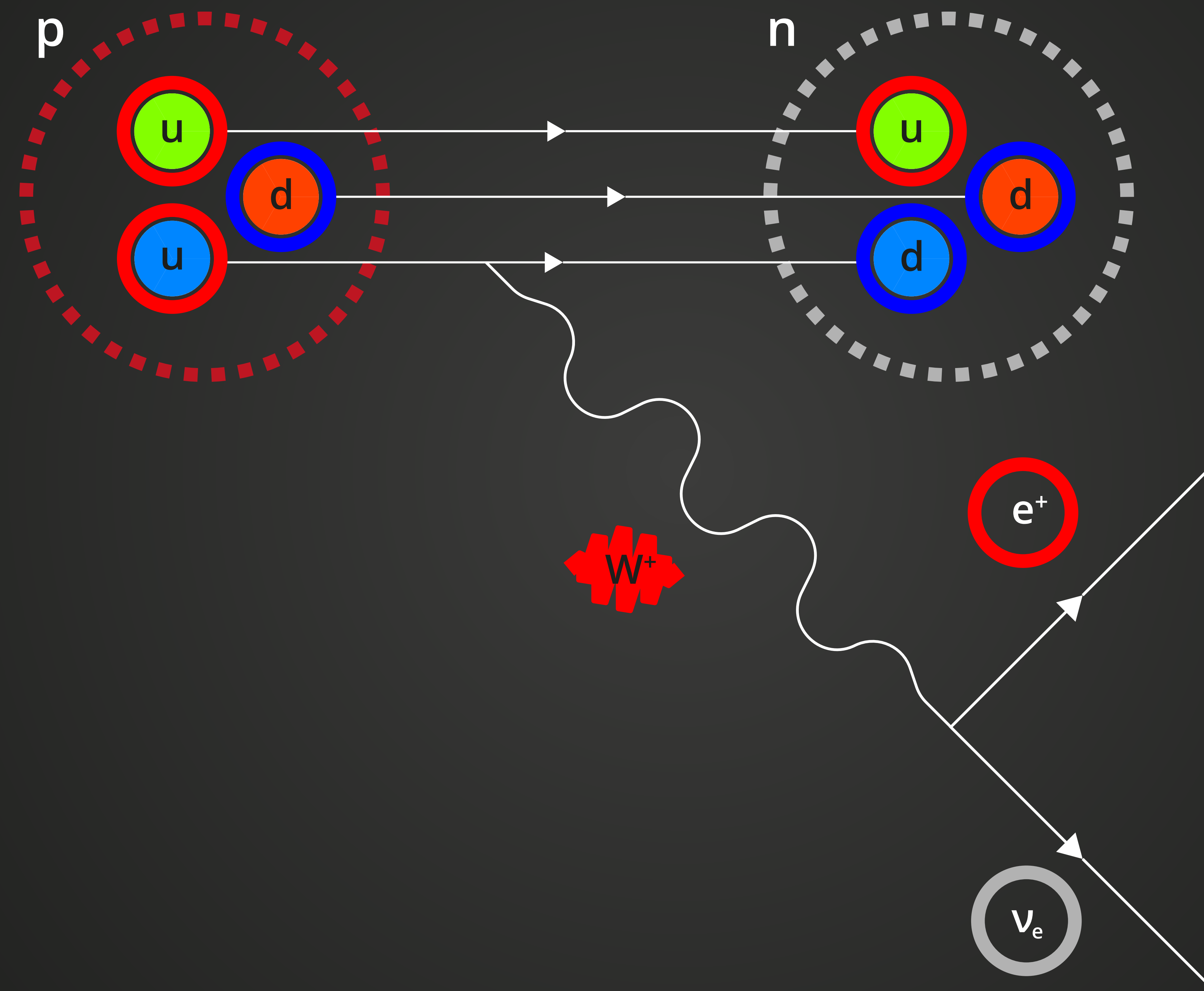




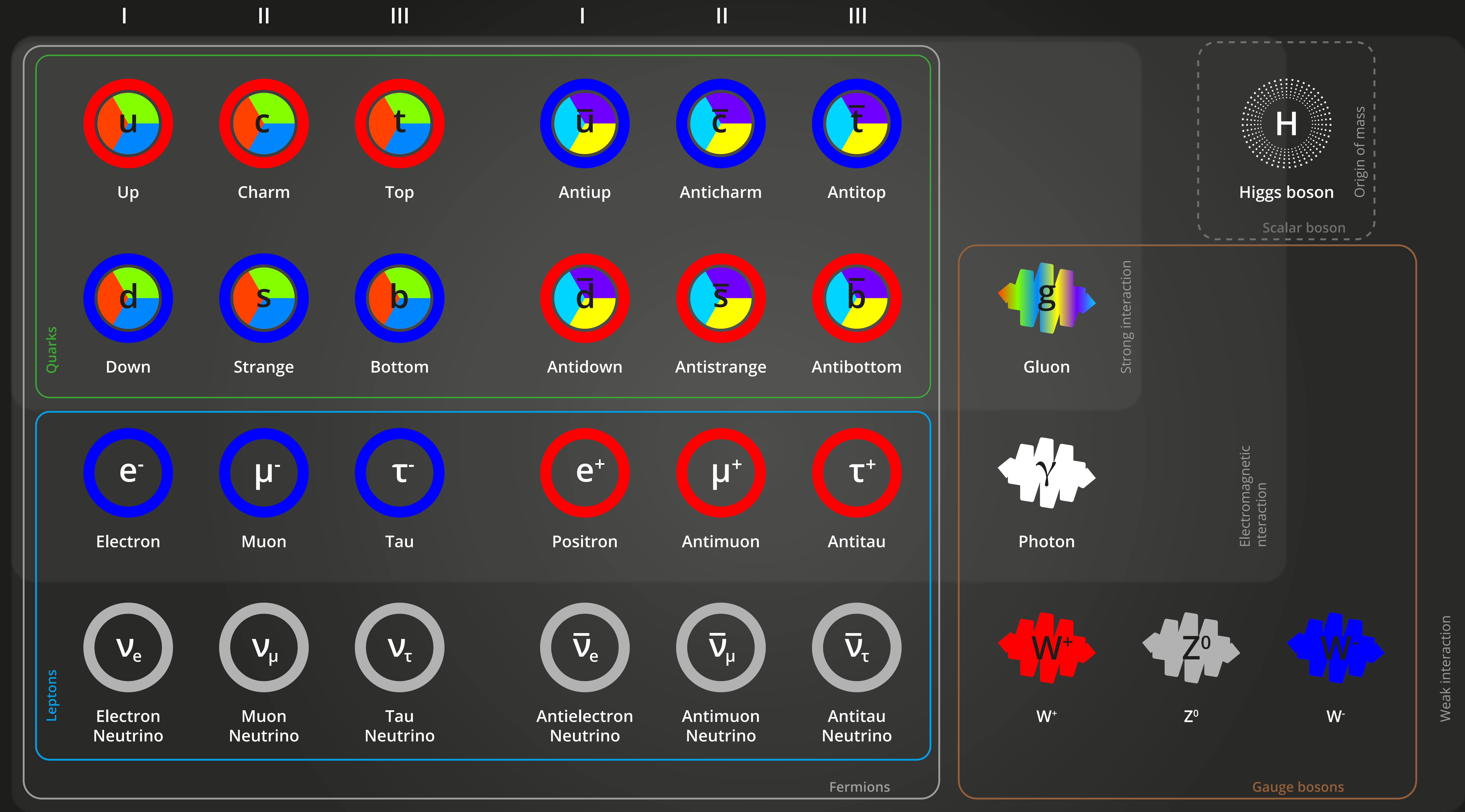
Representation of electrical and colour charges



Representation of the Standard Model
Categories



Example with labels and with colours / Feynman diagram



Bestiary of known particles, arranged by families, categories and interactions
 Matter and antimatter, gauge bosons and scalar boson



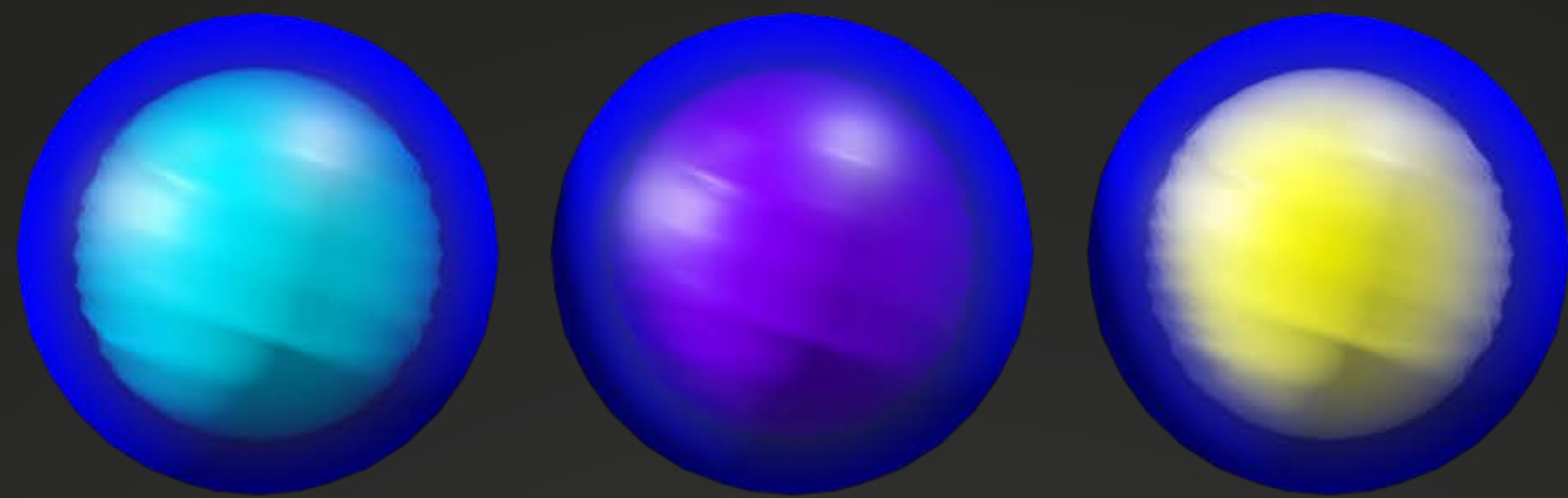


Photon



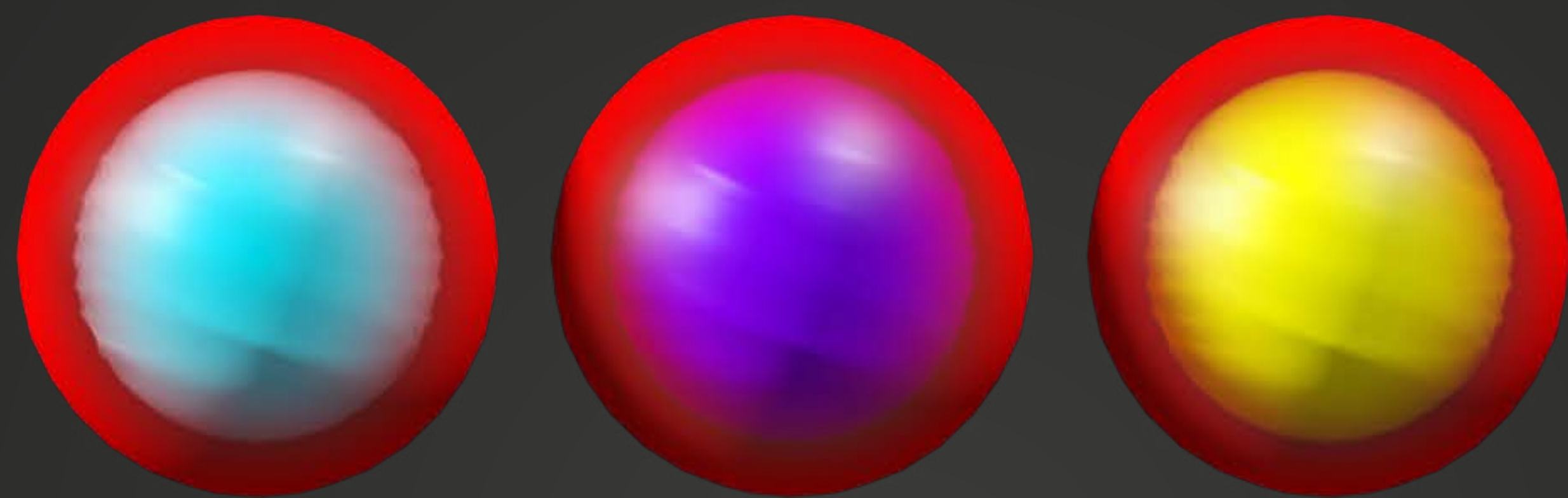
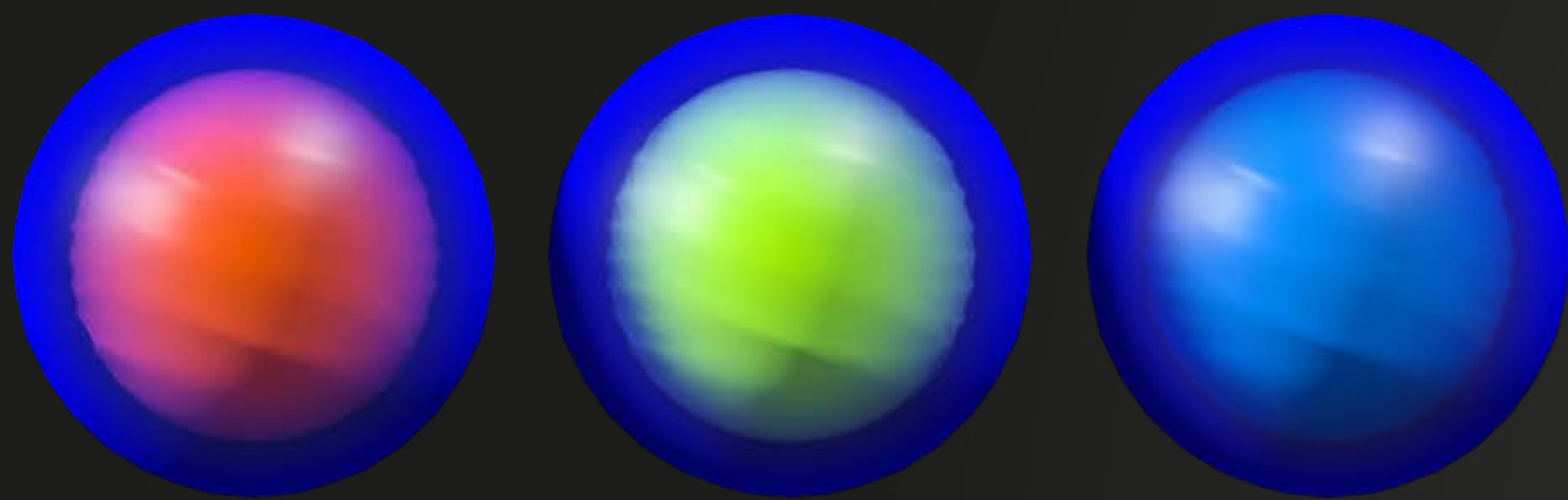


u



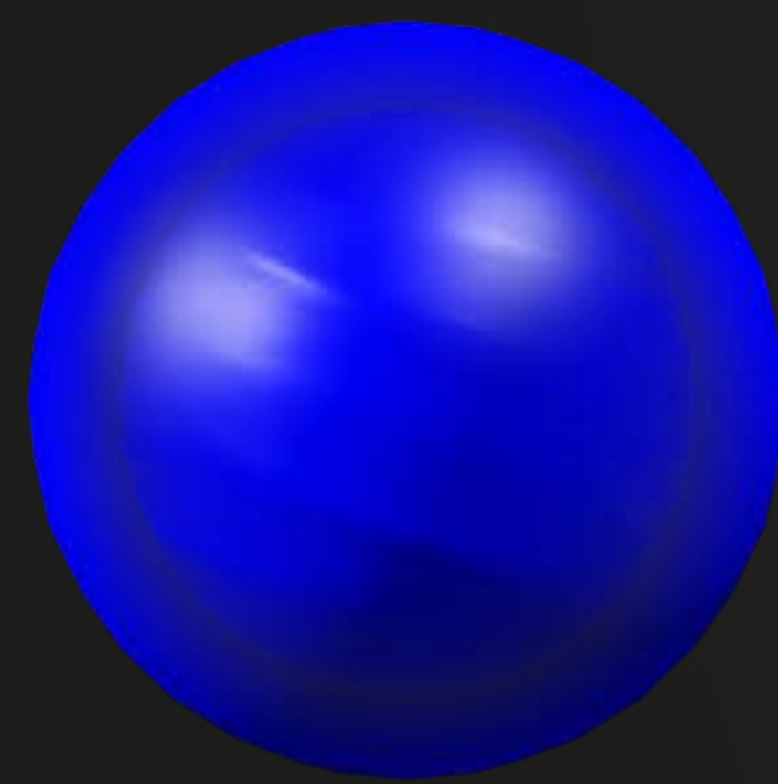
$\bar{u}$

d



$\bar{d}$

e^-



e^+



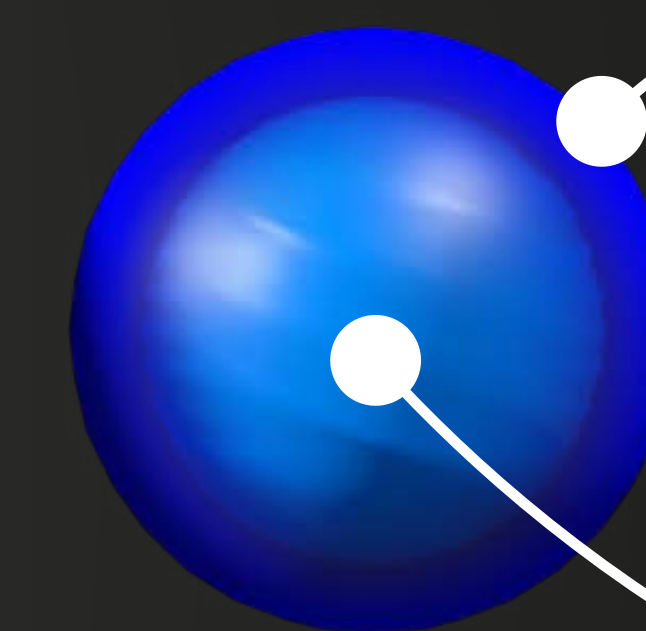
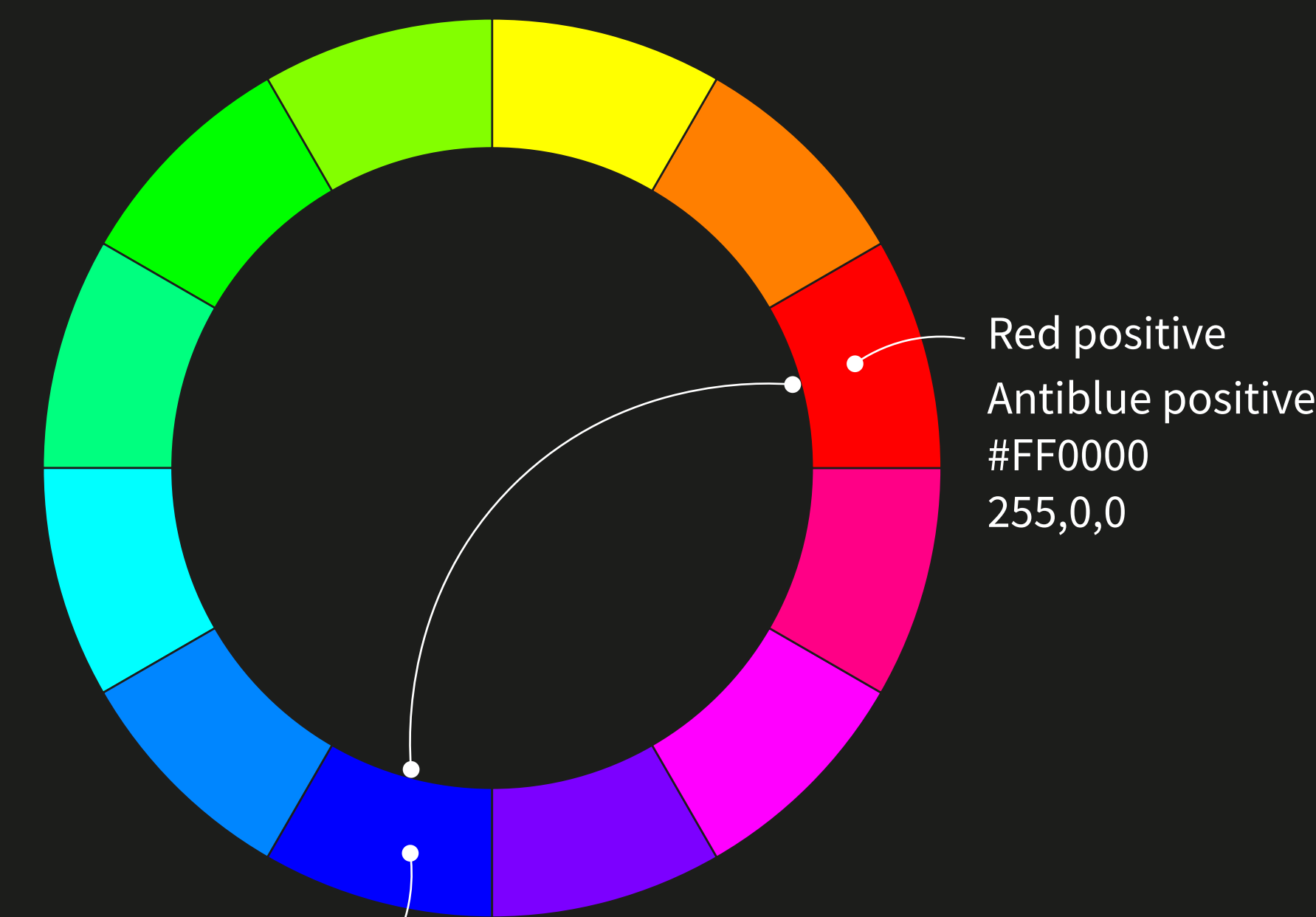
ν_e



$\bar{\nu}_e$

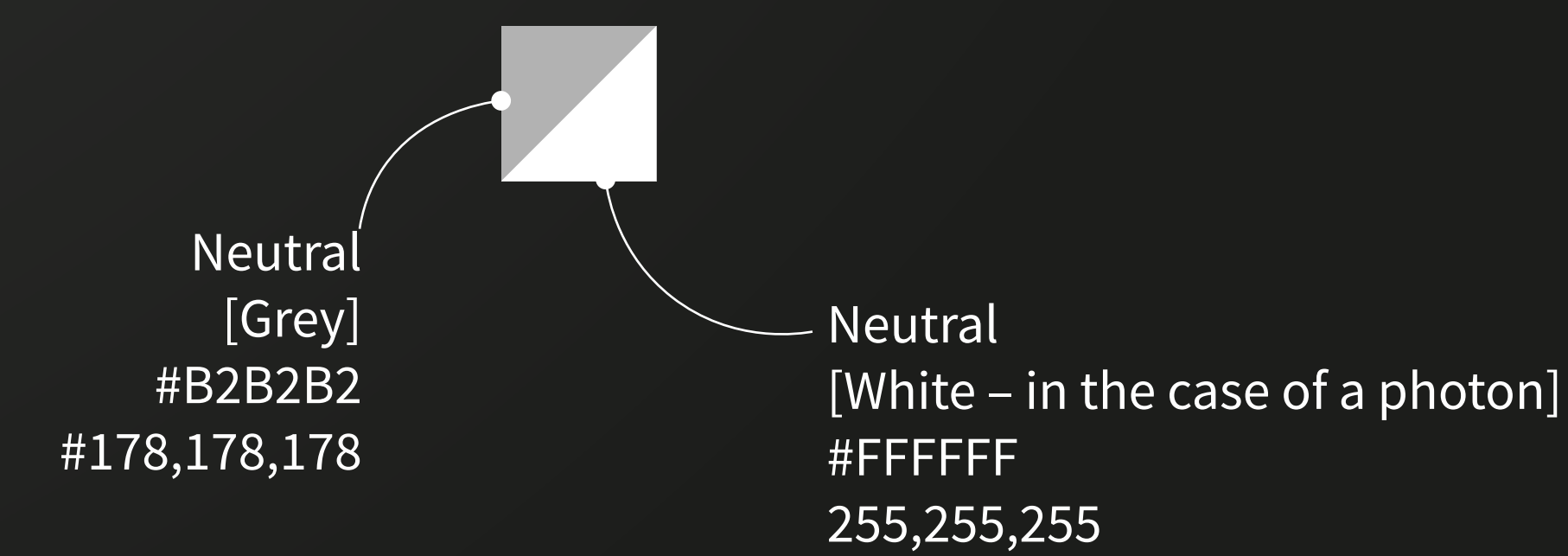
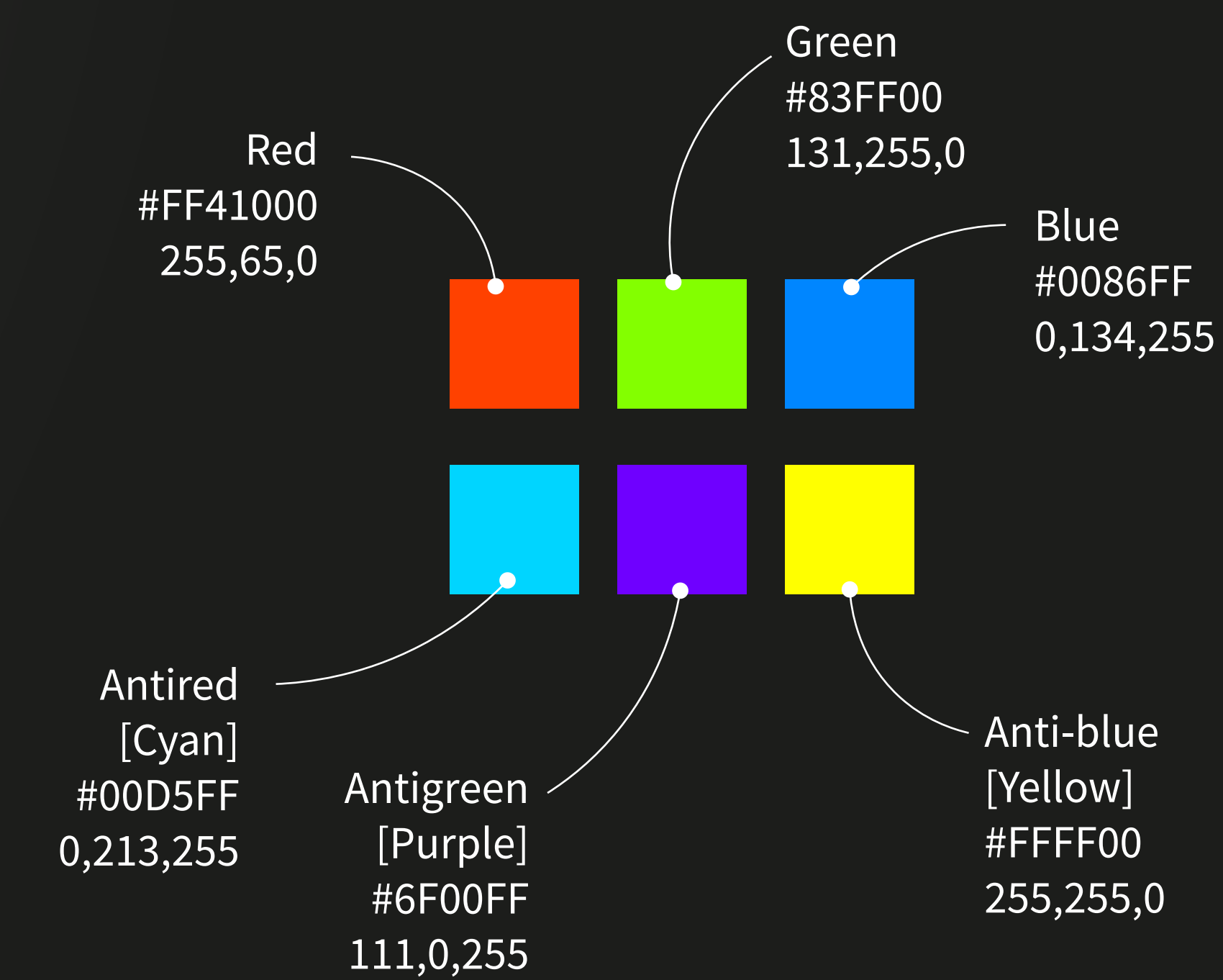


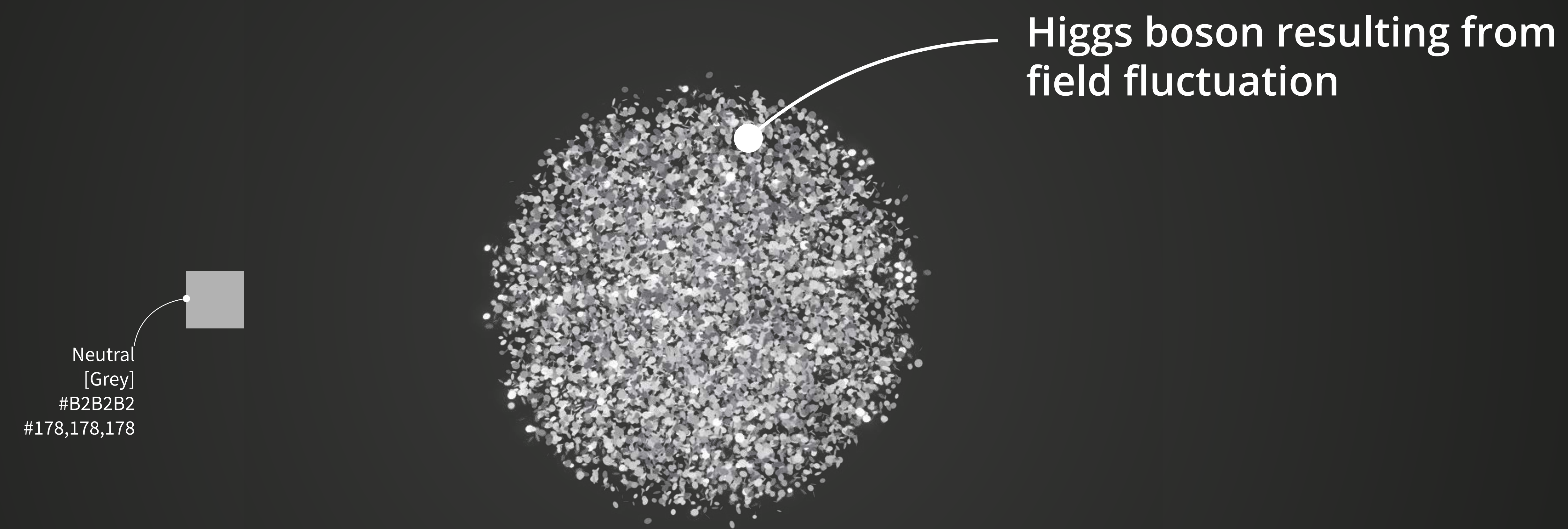
Representation of electrical charges and colour charges



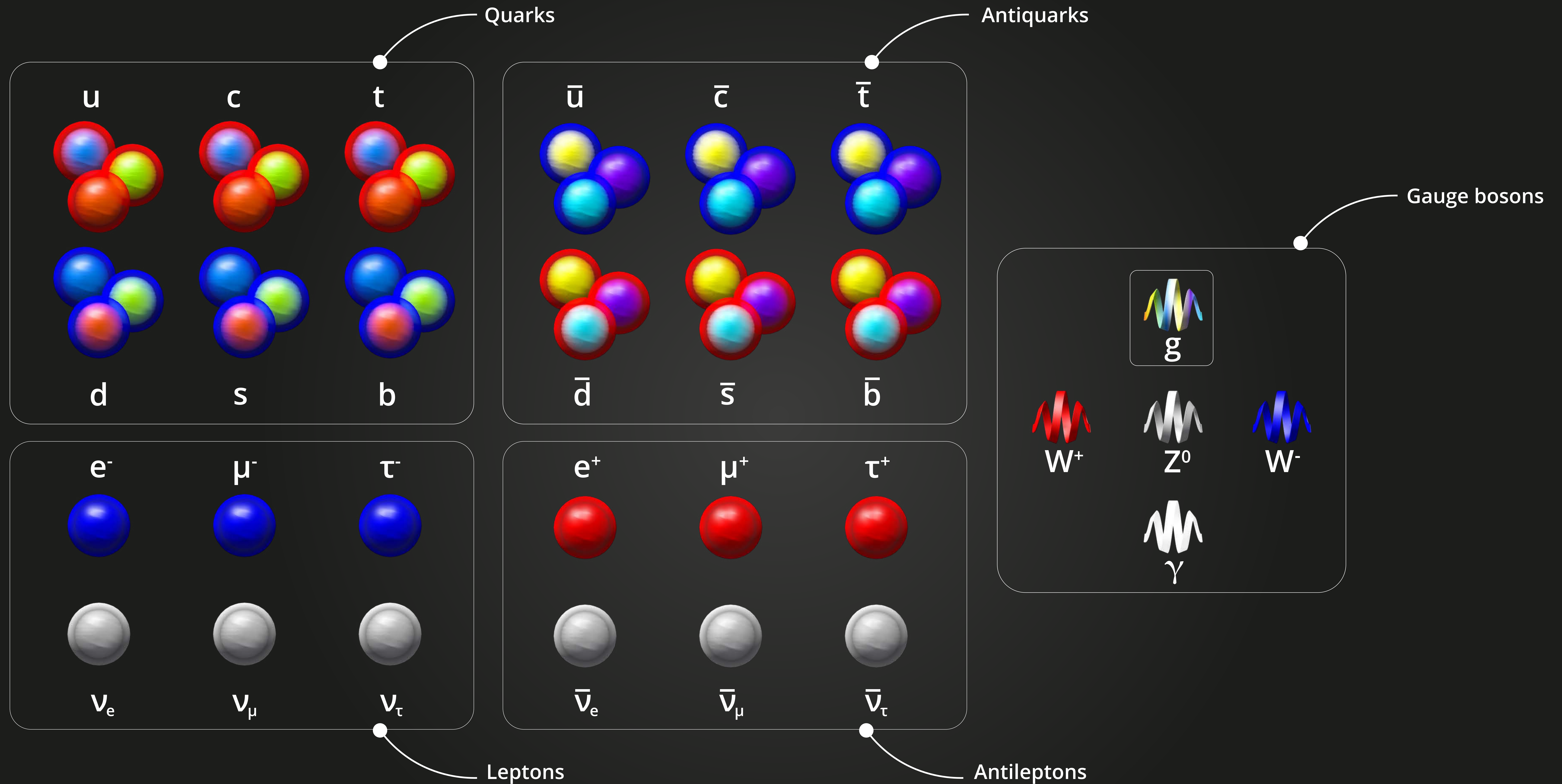
Electrical charge

Colour charge





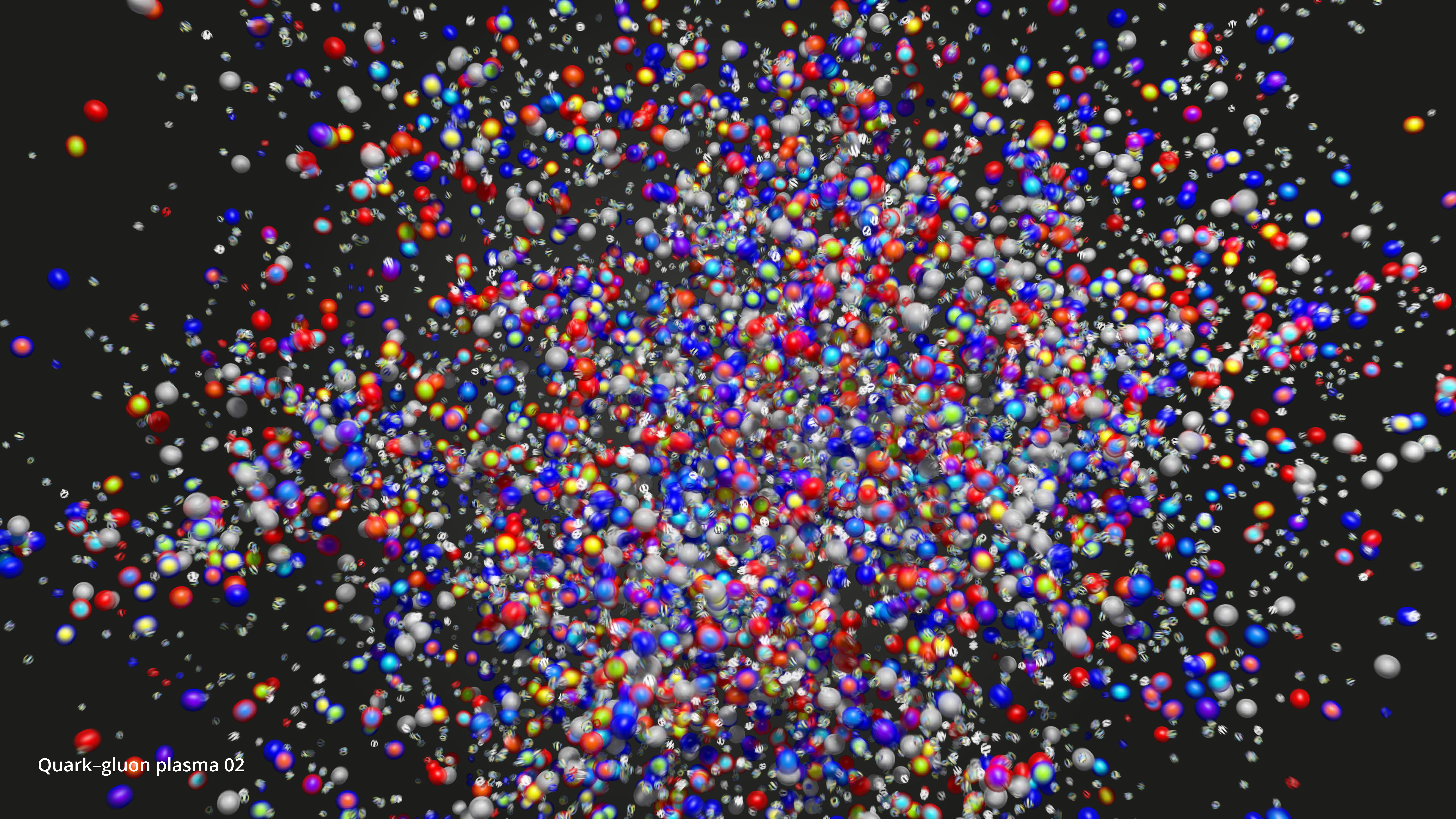
Higgs boson



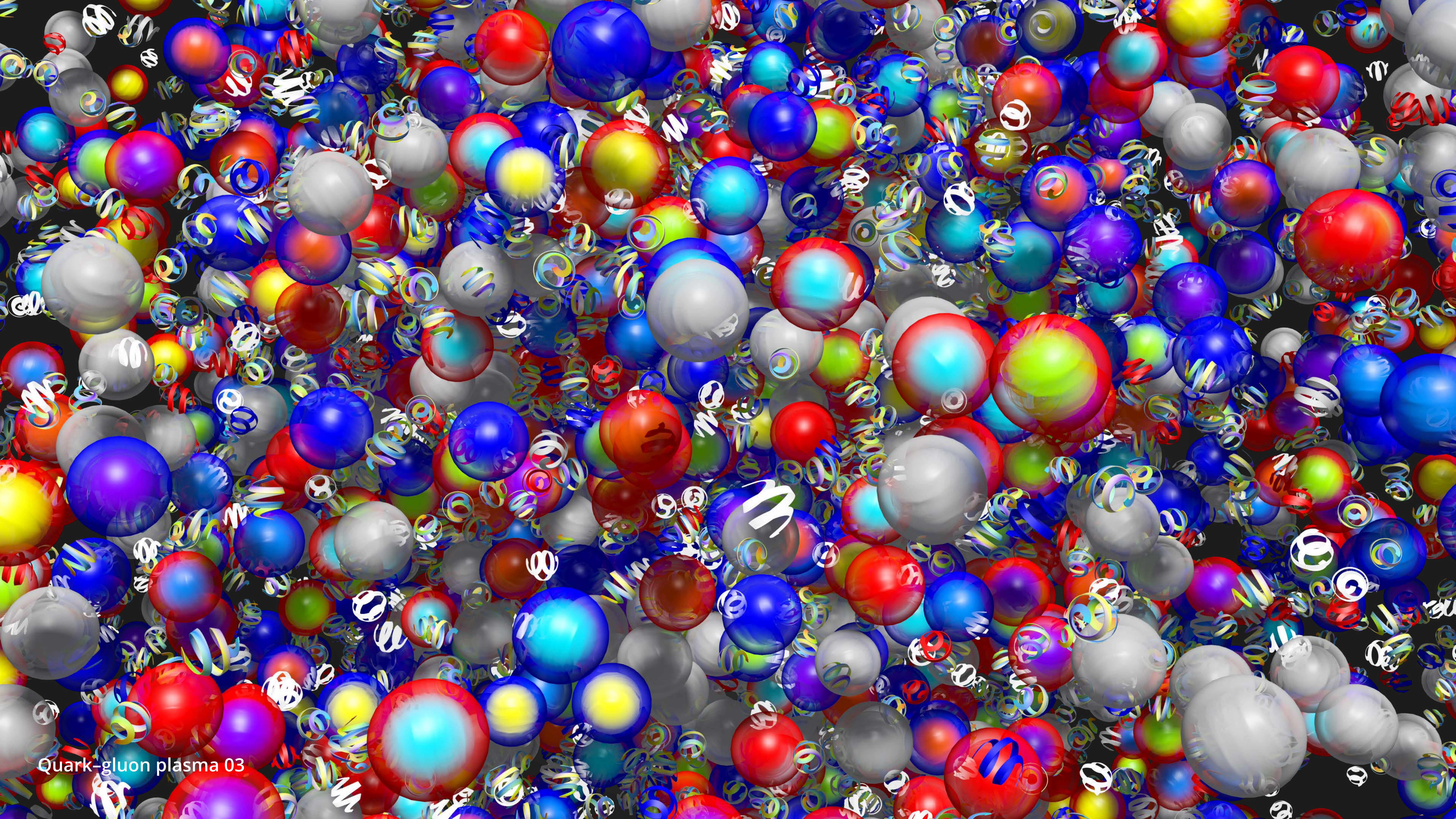
Representation of known particles
Matter and antimatter, gauge bosons and Higgs boson



Quark-gluon plasma 01



Quark-gluon plasma 02



Quark-gluon plasma 03