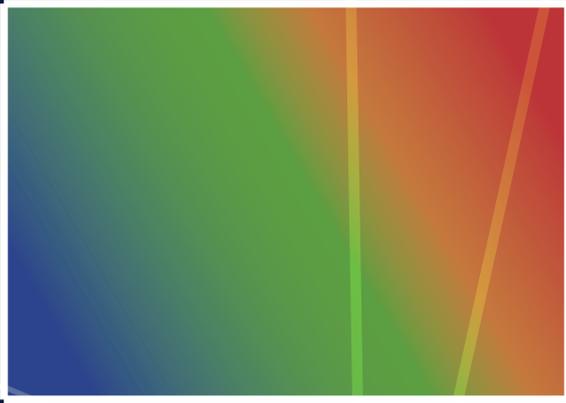


Neutral Pion (8 Points)



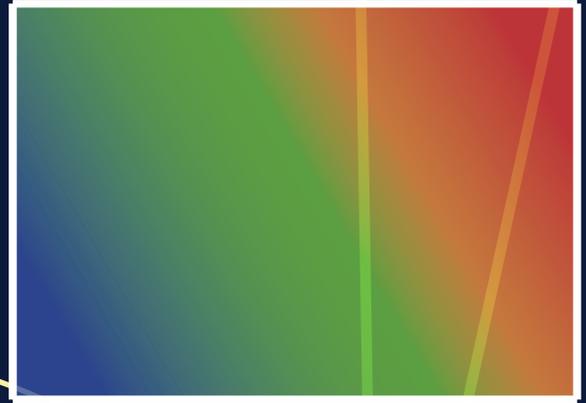
A Neutral Pion can be composed of either a down/anti-down or an up/anti-up pair.

Electric Charge: 0
Spin: 0
Mass: 134.98 MeV
Half Life: 8.52×10^{-17} sec

Pions are the lightest mesons. Neutral pions were proposed theoretically in 1935 but were not discovered until 195-.

Virtual pions are exchanged between protons and neutrons as carriers of the (residual) strong force.

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