

Simple estimate of CP
effect from 1 domain
using anomaly eqn

$$V_4 \cdot \underbrace{Q}_{\pm 1}$$

means

$$\partial_\mu J_\mu^5 = \pm 2$$

$$= \text{means } N_L - N_R \text{ is } \pm 2!$$

(Contained in event, including time duration!)
Chirality $\sim \vec{e} \cdot \vec{p}$ is thus produced!

So let us discuss strange quarks

Suppose the effect produce N_S of them.

~~the~~ Mean polarization:

$$P_S = \frac{N_L - N_R}{N_L + N_R} = \pm \frac{2}{N_S}$$

It does not depend on:

1) size of the domain

2) field config., as soon as QTS

quantized

$\left\{ \vec{e} \cdot \vec{p} \text{ for pion emission, or} \right.$

How to see it $\rightarrow \Lambda$ polarization

(So one has to evaluate the
S quark $\rightarrow \Lambda$ polarization transfer
and multiply by it...)