

EDM

I haven't found any data on EDM of mesons. There seems to be only limits. Nonzero values are forbidden by P, T invariance (quote from pdg, explanation?).

Decay Data Summary

0.1 ρ

$$\Gamma_{\rho^0} - \Gamma_{\rho^\pm} = 0.3 \pm 1.3 (MeV?)$$

0.2 K

no data for K

$$B \text{ mean life ratio } \frac{\tau_{B^+}}{\tau_{B^0}} = 1.076 \pm 0.004$$

0.3 K^*

	$\Gamma_i/\Gamma [\%]$
$(K\pi)^\pm$	99.901 ± 0.009
$(K\pi)^0$	99.745 ± 0.021
$K\pi\pi$	$< 7 \times 10^{-2}$

What is this?

0.4 D^*

	$\Gamma_i/\Gamma [\%]$
$D^0\pi^+$	67.7 ± 0.5
$D^+\pi^0$	30.7 ± 0.5

0.5 η

There is data concerning decay modes of η . The most important of which for us is

	$\Gamma_i/\Gamma [\%]$
$\eta \rightarrow 3\pi^0$	31.41 ± 0.2
$\eta \rightarrow \pi^+\pi^-\pi^0$	22.92 ± 0.28

There are also various decay modes containing γ or leptons which I assume are uninteresting right now.

There is similar data for higher mass $I = 0$ mesons.

Is it applicable? Can we describe decays to π^0 ?