

ω - ϕ mixing and processes $\phi \rightarrow 3\pi$, $e^+e^- \rightarrow \phi\pi$.

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The mixing angle of the vector ω and ϕ mesons is estimated in the framework of Nambu - Jona-Lasinio model. The decay $\phi \rightarrow \pi^0\gamma$ is considered as a basic process to determine this angle. The obtained value is compared with the results of the other authors. Besides, the width of the decay $\phi \rightarrow 3\pi$ and the cross-section of the process $e^+e^- \rightarrow \pi^0\phi$ are calculated by using this angle.

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