The V International Scientific Forum "Nuclear Science and Technologies"

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1/Nc corrections to the processes of $\pi\pi$ production in e+e- annihilation and τ decay

It is shown that the processes e+e-» π + π - and τ » $\pi\pi\nu$ can be described in a unified approach in satisfactory agreement with experiment using the vector coupling constant g= 6. In this case, in addition to quark loops, it is also necessary to take into account meson loops corresponding to the next order in 1/Nc. These loops must be taken into account when describing the $\gamma(W)$ » ρ transition, as well as in interaction of mesons in the final state.

Section

Nuclear physics (Section 1)

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