

XXV International Baldin Seminar on High Energy Physics Problems
"Relativistic Nuclear Physics and Quantum Chromodynamics"



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Generalization of the concept of unitarity in the quantum basis of color and three quark-lepton generations

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The phenomenon of locking of color quarks $N_c=3$ in the proton-neutron - in hadrons- and the existence of three quark-lepton generations $N_g=3$ open the way to expanding the foundations of quantum physics itself. In this report, we will discuss a generalization of the unitarity condition with possible practical applications.

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