

Abstract Submitted  
for the APR18 Meeting of  
The American Physical Society

**On a Mirror Structure of Matter Fields** RASULKHOZHA S. SHARAFIDDINOV, Institute of Nuclear Physics, Uzbekistan Academy of Sciences — Spontaneous mirror symmetry violation is carried out in nature as the transition between the usual left (right)-handed and the mirror right (left)-handed spaces, where the same particle has the different lifetimes. As a consequence, all the equations of motion for the unified field theory of elementary particles include the mass, energy and momentum as the matrices expressing the ideas of the left- and right-handed neutrinos are of long- and short-lived objects, respectively. These ideas require in principle to go away from the chiral definitions of the structure of matter fields taking into account that the Dirac matrices come forward in the Weyl presentation as the matrices having an exact mathematical formulation but not allowing to follow the logic of a true nature of mirror symmetry including the dynamical origination of its spontaneous violation. Therefore, from the point of view of the mass, energy and momentum matrices, each of the structural contradictions between the spontaneous mirror symmetry violation and the chiral presentation of the Weyl must be interpreted as an indication to the absence in nature of a place for chirality.

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Date submitted: 16 Jan 2018

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