

# **CLUSTER MODEL OF FORMATION OF SUB-NUCLEAR AND SUB-ATOMIC OBJECTS**

Lin E. E.

*Russian Federal Nuclear Center – All-Russia Research Institute of Experimental Physics,  
Sarov, Russia*

E-mail: [postmaster@ifv.vniief.ru](mailto:postmaster@ifv.vniief.ru) ; [e.e.lin@ifv.vniief.ru](mailto:e.e.lin@ifv.vniief.ru)

This work describes the development results on asymptotic model [1] of the formation dynamics for the objects (clusters) of sub-nuclear (quark) and subatomic (nuclear) matters. The suggested formalism makes it possible to describe in an adequate way the final outcomes of the well-known catastrophic phenomena in the world of elementary particles. Mass parameters of different processes of approaching the equilibrium in nuclear reactions are calculated.

1. E.E.Lin // Journal of Modern Physics, 2014, V.5, No.3, P.107.