

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 ; 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.