

NUMERICAL STUDY OF CARBON CLUSTER
FORMATION IN PLASMAS WITH REGARD
FOR CLUSTER CHARGES AND A BUFFER
GAS INFLUENCE

*G.N. Churilov, A.S. Fedorov, P.V. Novikov,
Yu.S. Martinez¹*

L.V. Kirensky Institute of Physics of the SB RAS
(*Krasnoyarsk 660036, Russia;*
e-mail: churilov@iph.krasn.ru),
¹Universidad Autonoma De Ciudad Juarez
(*Ciudad Juarez, Chihuahua, Mexico*)

S u m m a r y

The theoretical analysis of processes which occur at fullerene formation in cooling carbon-helium plasma is fulfilled. In the presented theory most basic processes influencing on fullerene formation are taken into account.