

**EXPERIMENTAL MODELING OF THE IMPACT ON A COMET.** V.A. Alekseev, A.K. Kondratenko and A.E. Poltanov. State Research Center of Russia (TRINITI) "Troitsk Institute for Innovation & Fusion" Troitsk, Moscow region, Russia A.Getling@ru.net

A laboratory modeling of the impact on the target presenting the surface layer of a comet is described. The impactor was a solid body, the target being a mixture of ice and organic matter.

After the rapid impact, the ejection of the target fragments was not homogeneous. Against the background of an expanding cloud

of drops (of water with an inclusion of organic particles), we observed a high-pressure jet. It is possible to choose an experimental regime similar to that realized in the Deep Impact NASA experiment.