

High Energy Density Physics at ITEP

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An overview of the experimental activities on high energy density in matter in progress at ITEP is given for the period since the 18th International Symposium on HIF in Darmstadt in 2010. The recent results of diagnostics detonation studies in condensed matter and of shock-wave process including shock-induced dense non-ideal plasma of argon and xenon and shock loading of non-uniform metal surfaces by proton radiography method^{1,2} are emphasized. The results of development RF wobbler system for shaping of hollow heavy ion beam on the target³ are presented.

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