Metal-Containing Polymer Foam Layers in Laser Targets and Their Precision Measurements to Meet the Needs of Plasma Experiments Interpretation

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The targets with metal-containing polymer layers present a promising area in studying a number of processes in ICF [1].

The produced layers may present the layers of solid or superdispersed metal powder in combination with a polymer, among them a low density one [2].

Such experiments may be helpful in observing a number of important characteristics in the experiments with ICF targets [3, 4].

The authors have succeeded in overcoming specific problems in the work with a microvolume and small amounts of the matters used, as well as the monitoring in duplicate techniques.

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