

## Surface dependence for laser - induced target current by plastic materials

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Laser - matter interactions are a wide field of physics in which many parameters are involved. A small change in one of them can lead to a completely different time evolution for the physical system. In this work, the characterization of a plastic target subjected to a laser irradiation has been studied. A focus was particularly devoted to the interaction of the target with the whole grounded chamber, which has been tried to be understood through the change of the target - holder surface ratio. The resulting current and particle signals show an anomalous behaviour when this ratio is equal to 1.

**If a proceedings is prepared, will you submit a contribution?**

Yes

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