

# Appearance of negative pressure under short volume penetrating radiation on condensed target

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Differ experiments on volume energy deposition were performed [1–4]. The radiation energy penetrates into the depth of the sample. Compression waves are accompanied by rarefaction waves. Rarefaction waves are associated with the formation of tension in the sample. This process is independent of the pulse shape. This means that it is applicable to impulses of different times to nano, pico and femtosecond pulses.

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- [4] Zubareva A, Utkin A, Mochalova V and Efremov V *J. Phys.: Conf. Ser.* **1556** 012026