

Abstract Submitted  
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**Signatures in Emitted Light from Compressed Media**<sup>1</sup> ALEC GRIFFITH, NATHANIEL J FISCH, Princeton University, PPPL — Layered materials with discontinuities in refractive index modify the transport of emitted radiation. We investigate how this changes when the bulk material undergoes rapid compression. Through examining the behavior of the emitted radiations intensity and frequency we will discuss possible signal characteristics which can be inverted to investigate the compression. Patterns in the signals' frequency chirp and spread could help elucidate the initial and dynamical behavior of the internal structure of the volume.

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