

Abstract Submitted  
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**Relaxation of laser-induced two component plasma<sup>1</sup>** BY-  
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plied Science, UC.Davis — In inertial-confined fusion plasmas, the ions and electrons  
can exist in a non-equilibrium state. Using classical molecular dynamics, we have  
studied a two-temperature plasma under extreme conditions and determined system  
properties. The temperature relaxation rate and diffusion coefficients of each species  
were found, and the results were compared with the Spitzer and other relaxation  
formulae.

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