

Abstract Submitted  
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**Self-emission spectroscopy of single crystal quartz** MINTA AKIN,  
RICKY CHAU, NEIL HOLMES, LLNL — We report the self-emission spectra of  
single crystal quartz from 200-800 nm under stress up to about 1 Mbar. These  
spectra show the presence of several narrow peaks, in contrast to the broad lumi-  
nescent peaks more often observed. We hope to use these spectra to elucidate the  
phenomena, such as defect formation, occurring during shock.

Minta Akin  
LLNL

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