

Abstract Submitted
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Detonation Shock Dynamics Calibration of PBX 9501 TARIQ ASLAM, Los Alamos National Laboratory — Detonation shock dynamics (DSD) has proven to be a fast and accurate alternative to direct numerical simulation of propagating detonations. Here, the requisite differential equations, experimental data and calibration procedure will be outlined for the plastic bonded explosive PBX 9501. It will be shown that the DSD model can fit the existing PBX 9501 data to within the experimental uncertainty.

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