

Shock Physics Papers 2017

- Agarwal, G. and Dongare, A.M. 2017 "Atomistic study of shock Hugoniot of single crystal magnesium" AIP Conf. Proc. 1793 070004
- Anderson, E.K., Short, M. and Jackson, S.I. 2017 "Cylinder test wall velocity profiles and product energy for an ammonium nitrate and aluminum explosive" AIP Conf. Proc. 1793 030018
- Appleby-Thomas, G.J., Fitzmaurice, b.C., Hameed, A., Wood, D.C., Gibson, M.C. and Painter, J. 2017 "The shock response and suitability of Synbone as a tissue simulant" AIP Conf. Proc. 1793 140009
- Armstrong, M.R., Crowhurst, J.C., Zaug, J.M. and Radousky, H.B. 2017 "Extreme dynamic compression with a low energy laser pulse" AIP Conf. Proc. 1793 060016
- Ashitkov, S.I., Zhakhovsky, V.V., Inogamov, N.A., Komarov, P.S. and Agranat, M.B. 2017 "The behavior of iron under ultrafast shock loading driven by a femtosecond laser" AIP Conf. Proc. 1793 100035
- Badham, H., Chalmers, M., Nguyen, T.T.N. and Proud, W.G. 2017 "The propagation of blast pulses through dampened granular media" AIP Conf. Proc. 1793 120021
- Banishev, A., Christensen, J.M. and Dlott, D.D. 2017 "Time-dependent pressure distribution in microstructured shocked materials using fluorescent dye probes" AIP Conf. Proc. 1793 060010
- Barton, N. 2017 "Results from a new Cocks-Ashby style porosity model" AIP Conf. Proc. 1793 100029
- Bass, J. and Fahrenthold, E.P. 2017 "Nonholonomic Hamiltonian method for molecular dynamics simulations of reacting shocks" AIP Conf. Proc. 1793 070011
- Bassett, W.P. and Dlott, D.D. 2017 "32-channel pyrometer with high dynamic range for studies of shocked nanothermites" AIP Conf. Proc. 1793 060012
- Bell, D.J. and Chapman, D.J. 2017 "Phase Doppler anemometry as an ejecta diagnostic" AIP Conf. Proc. 1793 060011
- Bodard, S., Lapébie, E. and Saurel, R. 2017 "Experiments and modeling of dynamic powder compaction in the scope of deflagration to detonation transition studies" AIP Conf. Proc. 1793 040029
- Boness, D.A. and Ware, L. 2017 "Birch's law for high-pressure metals and ionic solids: Sound velocity data comparison between shock wave experiments and recent diamond anvil cell experiments" AIP Conf. Proc. 1793 050016
- Bourne, F.L. and Bourne, N.K. 2017 "Thresholds in shock response across the elements" AIP Conf. Proc. 1793 050015

- Bourne, N.K., Gray III, G.T. and Bronkhorst, C.A. 2017 "Critical conditions for failure; stress levels, length scales, time scales" AIP Conf. Proc. 1793 100006
- Bouton, E., Lefrançois, A. and Belmas, R. 2017 "Development of a reactive burn model based on an explicit viscoplastic pore collapse model" AIP Conf. Proc. 1793 030029
- Bowden, M. and Neal, W. 2017 "High fidelity studies of exploding foil initiator bridges. 1: Experimental method" AIP Conf. Proc. 1793 060020
- Braithwaite, C.H., Church, P.D., Gould, P.J., Stewart, B. and Jardine, A.P. 2017 "Shock compression of simulated adobe" AIP Conf. Proc. 1793 120011
- Brown, K.E., Monroe, D.C. and Brown, G.W. 2017 "Effect of pellet coatings on PETN porosity and slapper detonator efficacy" AIP Conf. Proc. 1793 040011
- Brown, J.L., Carpenter, J.H. and Seagle, C.T. 2017 "Forward modeling of shock-ramped tantalum" AIP Conf. Proc. 1793 050021
- Bryant, A.W., Wehrenberg, C., Alamgir, F., Lai, S.Y., Remington, B. and Thadhani, N.N. 2017 "Shock compression induced devitrification of amorphous Ce3Al melt-spun ribbons" AIP Conf. Proc. 1793 130004
- Buttler, W.T., Gray III, G.T., Fensin, S.J., Grover, M., Prime, M.B. and Stevens, G.D. 2017 "Yield strength of copper and a copper-lead alloy (1% Pb)" AIP Conf. Proc. 1793 110005
- Chauvin, C., Bouchkour, Z., Sinatti, F. and Petit, J. 2017 "Shock-induced phase transition of tin: Experimental study with velocity and temperature measurements" AIP Conf. Proc. 1793 060013
- Chelikani, L., Pinnoju, V. and Paturi, P.K. 2017 "Dynamics of laser ablative shock waves from one dimensional periodic structured surfaces" AIP Conf. Proc. 1793 120012
- Chelikani, L., Pinnoju, V., Verma, P., Singh, R.V. and Kiran, P.P. 2017 "Dynamic response of laser ablative shock waves from coated and uncoated amorphous boron nanoparticles" AIP Conf. Proc. 1793 120024
- Chen, Z., Su, Y.-C., Zhang, H., Jiang, S. and Sewell, T.D. 2017 "Concurrent material point method and molecular dynamics approach for simulating transient responses" AIP Conf. Proc. 1793 080011
- Chen, L., Swift, D.C., Austin, R.A., Florando, J.N., Hawreliak, J. and Lazicki, A. 2017 "Temperature dependence of dynamic deformation in fcc metals, aluminum and Invar" AIP Conf. Proc. 1793 110008
- Chidester, S.K. and Tarver, C.M. 2017 "Ignition and growth modeling of the shock initiation of PBX 9502 at -55°C and -196°C " AIP Conf. Proc. 1793 030019

- Chocron, S., Barnette, D., Holmquist, T., Anderson, C.E., Bigger, R. and Moore, T. 2017 "Experimental and computed results investigating time-dependent failure in a borosilicate glass" AIP Conf. Proc. 1793 100005
- Christensen, J.M., Banishev, A.A. and Dlott, D.D. 2017 "Fluorescent probes for shock compression spectroscopy of microstructured materials" AIP Conf. Proc. 1793 120003
- Chuzeville, V., Baudin, C., Lefrançois, A., Genetier, M., Barbarin, Y. and Jacquet, L. 2017 "Detonation initiation of heterogeneous melt-cast high explosives" AIP Conf. Proc. 1793 030009
- Colin-Lalu, P., Recoules, V., Salin, G. and Huser, G. 2017 "Ab initio and experimental studies of glow-discharge polymer used in laser megajoule capsules" AIP Conf. Proc. 1793 090005
- Danielson, J.R., Maskaly, G. and Younk, P. 2017 "Surface registration using a multi-beam optical probe and backscatter reflectometer" AIP Conf. Proc. 1793 160014
- Dattelbaum, D.M., Sheffield, S.A. and Coe, J.D. 2017 "Shock-driven chemistry and reactive wave dynamics in liquid benzene" AIP Conf. Proc. 1793 040020
- Dattelbaum, D.M., Goodwin, P.M., Garcia, D.B., Gustavsen, R.L., Lang, J.M. and Aslam, T.D. 2017 "Shockwave compression of argon gas at several initial densities" AIP Conf. Proc. 1793 090004
- Davis, J.-P., Knudson, M.D. and Brown, J.L. 2017 "Results from new multi-megabar shockless compression experiments at the Z machine" AIP Conf. Proc. 1793 060015
- Daykin, E., Burk, M., Holtkamp, D., Miller, E.K., Rutkowski, A. and Strand, O.T. 2017 "Multiplexed photonic Doppler velocimetry for large channel count experiments" AIP Conf. Proc. 1793 160004
- de Rességuier, T., Roland, C., Lescoute, E., Sollier, A., Loison, D. and Berthe, L. 2017 "Experimental study of microjetting from triangular grooves in laser shock-loaded samples" AIP Conf. Proc. 1793 100025
- Desbiens, N. 2017 "Modeling of the Jack Rabbit series of experiments with a temperature based reactive burn model" AIP Conf. Proc. 1793 040034
- Dlott, D.D. 2017 "Shock compression dynamics under a microscope" AIP Conf. Proc. 1793 020001
- Duran, A.V. and Sundararaghavan, V. 2017 "Finite element code development for modeling detonation of HMX composites" AIP Conf. Proc. 1793 080003
- Dyachkov, S., Parshikov, A. and Zhakhovsky, V. 2017 "Ejecta from shocked metals: Comparative simulations using molecular dynamics and smoothed particle hydrodynamics" AIP Conf. Proc. 1793 100024

- Erskine, D., Eggert, J., Celliers, P. and Hicks, D. 2017 "Ghost fringe removal techniques using Lissajous data presentation" AIP Conf. Proc. 1793 160016
- Erskine, D. 2017 "Speckle-adaptive VISAR fringe analysis technique" AIP Conf. Proc. 1793 160017
- Escobedo, J.P., Chapman, D.J., Laws, K.J., Brown, A.D., Wang, F. and Eakins, D. 2017 "Effects of chemical composition on the shock response of zirconium-based metallic glasses" AIP Conf. Proc. 1793 100032
- Fajardo, M.E., Molek, C.S. and Fossum, E.C. 2017 "Time-of-flight mass spectrometry of laser exploding foil initiated PETN samples" AIP Conf. Proc. 1793 030024
- Fajardo, M.E., Molek, C.D. and Vesely, A.L. 2017 "Rubidium atomic line filtered (RALF) Doppler velocimetry" AIP Conf. Proc. 1793 160011
- Falk, K., Fryer, C.L., Gamboa, E.J., Greeff, C.W., Johns, H.M., Schmidt, D.W., Smid, M., Benage, J.F. and Montgomery, D.S. 2017 "X-ray Thomson scattering measurement of temperature in warm dense carbon" Plasma Phys. Controlled Fusion 59 47-53
- Fan, C., Liu, M., Guo, Z. and Tang, T. 2017 "Spalling behavior of copper plate under sliding detonation loading" AIP Conf. Proc. 1793 100014
- Fensin, S.J., Valone, S.M., Cerreta, E.K., Gray III, G.T. and Shao, S. 2017 "Nucleation and evolution of dynamic damage at copper/lead interfaces using molecular dynamics" AIP Conf. Proc. 1793 070017
- Finnegan, S.G., Burns, M.J., Markland, L., Goff, M. and Ferguson, J.W. 2017 "Spall response of annealed copper to direct explosive loading" AIP Conf. Proc. 1793 100012
- Firestone, M.A., Dattelbaum, D.M., Podlesak, D.W., Gustavsen, R.L., Huber, R.C. and Ringstrand, B.S. 2017 "Structural evolution of detonation carbon in Composition B by X-ray scattering" AIP Conf. Proc. 1793 030010
- Fitzmaurice, B.C., Painter, J.D., Appleby-Thomas, G.J., Wood, D.C., Hazael, R. and McMillan, P.F. 2017 "On the response of Escherichia coli to high rates of deformation" AIP Conf. Proc. 1793 140002
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- Forquin, P. 2017 "Brittle materials at high loading rates: An open area of research" Phil. Trans. R. Soc. A 375 20160436
- Forquin, P. and Zinszner, J.-L. 2017 "A pulse-shaping technique to investigate the behaviour of brittle materials subjected to plate-impact tests" Phil. Trans. R. Soc. A 375 20160333

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- Fredenburg, D.A., Lang, J.M., Coe, J.D., Scharff, R.J., Dattelbaum, D.M. and Chisholm, E.D. 2017 "Systematics of compaction for porous metal and metal-oxide systems" AIP Conf. Proc. 1793 120018
- Frost, D.L., Loiseau, J., Goroshin, S., Zhang, F., Milne, A. and Longbottom, A. 2017 "Fracture of explosively compacted aluminum particles in a cylinder" AIP Conf. Proc. 1793 120019
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- Garcia, D.B., Dattelbaum, D.M., Goodwin, P.M., Sheffield, S.A., Morris, J.S. and Gustavsen, R.L. 2017 "Hydrodynamic simulations of gaseous argon shock compression experiments" AIP Conf. Proc. 1793 050012
- Georges, W., Loiseau, J., Higgins, A., Tyler, T. and Zimmermann, J. 2017 "Reduction of ejecta from asperities on a metal surface upon shock breakout" AIP Conf. Proc. 1793 060026
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- Gibson, L.L., Bartram, B.D., Dattelbaum, D.M., Lang, J.M. and Morris, J.S. 2017 "A gas-loading system for LANL two-stage gas guns" AIP Conf. Proc. 1793 090003
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- Gonzales, M., Gurumurthy, A., Kennedy, G.B., Gokhale, A.M. and Thadhani, N.N. 2017 "Meso-scale heterogeneity effects on the bulk shock response of Ti+2B reactive powder mixtures" AIP Conf. Proc. 1793 080007
- Grady, D.E. 2017 "Equation of state of dolomite from shock Hugoniot and static compression studies" AIP Conf. Proc. 1793 050014
- Grant, S., Ao, T., Bernstein, A., Ditmire, T., Dolan, D. and Lin, J.-F. 2017 "Implementation of single-shot ellipsometry on gas gun experiments" AIP Conf. Proc. 1793 060009
- Gray III, G.T., Hull, L.M., Livescu, V., Briggs, M.E. and Meyer, R.K. 2017 "Influence of sample geometry on sweeping-detonation-wave spallation in tantalum" AIP Conf. Proc. 1793 110002
- Gustavsen, R.L., Gehr, R.J., Bucholtz, S.M., Pacheco, A.H. and Bartram, B.D. 2017 "Shock initiation of the TATB-based explosive PBX-9502 heated to ~ 76°C" AIP Conf. Proc. 1793 030017

- Hahn, E.N., Germann, T.V., Ravelo, R.J., Hammerberg, J.E. and Meyers, M.A. 2017 "Non-equilibrium molecular dynamics simulations of spall in single crystal tantalum" AIP Conf. Proc. 1793 070006
- Haines, T.J., Danielson, J.R., Smith, J. and Wood, W.M. 2017 "Thin object radiography with a 2.2 MeV pulsed power machine" AIP Conf. Proc. 1793 060003
- Hammerberg, J.E., Ravelo, R., Germann, T.C. and Milhans, J. 2017 "Grain dynamics in compressed polycrystalline aluminum interfaces sliding at high velocities" AIP Conf. Proc. 1793 070005
- Handley, C.A. and Christie, M.A. 2017 "Calibrating reaction rates for the CREST model" AIP Conf. Proc. 1793 030027
- Hardin, D.B. and Zhou, M. 2017 "Effect of viscoplasticity on ignition sensitivity of an HMX based PBX" AIP Conf. Proc. 1793 080005
- Hawreliak, J., Erskine, D., Schropp, A., Galtier, E.C. and Heimann, P. 2017 "Using phase contrast imaging to measure the properties of shock compressed aerogel" AIP Conf. Proc. 1793 090006
- Haxhimali, T., Belof, J.L. and Benedict, L.X. 2017 "A time-dependent Ginzburg-Landau phase field formalism for shock-induced phase transitions" AIP Conf. Proc. 1793 130003
- Hildebrand, M., Humeault, J., Loiseau, J. and Higgins, A.J. 2017 "Down-bore two-laser heterodyne velocimetry of an implosion-driven hypervelocity launcher" AIP Conf. Proc. 1793 160009
- Hodgson, A.N., Ferguson, J.W. and Sutton, B.D. 2017 "Reconstruction of cylinder test wall expansion from velocimetry data" AIP Conf. Proc. 1793 160006
- Holmquist, T.J., Johnson, G.R. and Gerlach, C.A. 2017 "An improved computational constitutive model for glass" Phil. Trans. R. Soc. A 375 20160182
- Homel, M.A. and Herbold, E.B. 2017 "On mesoscale methods to enhance full-stress continuum modeling of porous compaction" AIP Conf. Proc. 1793 080010
- Howard, M., Diaz, A., Briggs, M.E., Crawford, K., Dolan, D.H. and Furlanetto, M.R. 2017 "A data-driven approach for determining time of initial movement in shock experiments using photonic Doppler velocimetry" AIP Conf. Proc. 1793 160012
- Huang, W., Zhang, W., Ye, N. and Li, D. 2017 "Dynamic response of clamped corrugated sandwich plates subjected to underwater impulsive loads" AIP Conf. Proc. 1793 110016
- Hull, L.M. 2017 "Contemporary research of dynamically induced phase transitions" AIP Conf. Proc. 1793 130009

- Huntington, C.M., Belof, J.L., Blobaum, K.J.M., Cavallo, R.M., Kostinski, N.B. and Maddox, B.R. 2017 "Investigating iron material strength up to 1 Mbar using Rayleigh-Taylor growth measurements" AIP Conf. Proc. 1793 110007
- Inogamov, N.A., Khokhov, V.A., Petrov, Y.V., Zhakhovsky, V.V., Migdal, K.P. and Ilnitsky, D.K. 2017 "Rarefaction after fast laser heating of a thin metal film on a glass mount" AIP Conf. Proc. 1793 070012
- Islam, M.A., Kader, M.A., Hazell, P.J., Escobedo-Diaz, J.P., Brown, A.D. and Appleby-Thomas, G.J. 2017 "Dynamic crushing response of closed-cell aluminium foams during shock loading" AIP Conf. Proc. 1793 120027
- Jackson, S. 2017 "The detonation cylinder test: Determination of full wall velocity and shape from a single velocimetry probe with an arbitrary angle" AIP Conf. Proc. 1793 050017
- James, H.R., Gustavsen, R.L. and Dattelbaum, D.M. 2017 "An explanation for the anomalous wave profiles obtained in composition B-3 impacted by flat nosed steel rods" AIP Conf. Proc. 1793 030035
- Jiao, T. and Clifton, R.J. 2017 "Experimental and computational investigation of the response of an elastomer at pressures up to 18 GPa and strain rates of $10^5 - 10^6 \text{ s}^{-1}$ " AIP Conf. Proc. 1793 140008
- Johnson, D.F. and Mattson, W.D. 2017 "High velocity collisions of nanoparticles" AIP Conf. Proc. 1793 070015
- Jones, D.R., Chapman, D.J. and Eakins, D.E. 2017 "Gas gun driven dynamic fracture and fragmentation of Ti6Al4V cylinders at initial temperatures between 150 K and 750 K" AIP Conf. Proc. 1793 100008
- Jordan, J.L., Casem, D., Moy, P. and Walter, T. 2017 "Properties and shock response of PMMA" AIP Conf. Proc. 1793 140007
- Kader, M.A., Islam, M.A., Hazell, P.J., Escobedo, J.P., Saadatfer, M. and Brown, A.D. 2017 "Numerical modelling of closed-cell aluminium foams under shock loading" AIP Conf. Proc. 1793 120028
- Kanel, G.I., Zaretsky, E.B., Razorenov, S.V., Savinykh, A.S. and Garkushin, G.V. 2017 "Evolutions of elastic-plastic shock compression waves in different materials" AIP Conf. Proc. 1793 100030
- Kawai, N., Tsuru, T., Hidaka, N., Liu, X. and Mashimo, T. 2017 "Shock loading and release behavior of silicon nitride" AIP Conf. Proc. 1793 130006
- Kay, J.J., Wixom, R.R., Jilek, B.A., Knepper, R., Tappan, A.S. and Damm, D.L. 2017 "Spectroscopic analysis of time-resolved emission from detonating thin film explosive samples" AIP Conf. Proc. 1793 030002
- Kay, J.J. 2017 "Mechanisms of shock-induced reactions in high explosives" AIP Conf. Proc. 1793 030023

- Khokhlov, V.A., Inogamov, N.A., Zhakhovsky, V.V., Ilnitsky, D.K., Mogdal, K.P. and Shepelev, V.V. 2017 "Film-substrate hydrodynamic interaction initiated by femtosecond laser irradiation" AIP Conf. Proc. 1793 100038
- Knepper, R., Wixom, R.R., Marquez, M.P. and Tappan, A.S. 2017 "Near-failure detonation behavior of vapor-deposited hexanitrostilbene (HNS) films" AIP Conf. Proc. 1793 030014
- Korotaev, P., Kuksin, A., Pokatashkin, P. and Yanilkin, A. 2017 "Quantum and classical molecular dynamics simulation of boron carbide behavior under pressure" AIP Conf. Proc. 1793 070014
- Kuiper, T.A., Anderson, E.K., Short, M. and Jackson, S.I. 2017 "Detonation performance measurements of Cyclotol 80/20" AIP Conf. Proc. 1793 030003
- Kuklja, M.M., Tsyshevsky, R.V. and Sharia, O. 2017 "Elucidation of high sensitivity of δ -HMX: New insight from first principles simulations" AIP Conf. Proc. 1793 070007
- Kumar, V.R. and Kiran, P.P. 2017 "Onset of ice VII phase during ps laser pulse propagation through liquid water" AIP Conf. Proc. 1793 090001
- LaJeunesse, J., Stewart, S.T., Kennedy, G., Thadhani, N. and Borg, J.P. 2017 "Investigating velocity spectra at the Hugoniot state of shock loaded heterogenous materials" AIP Conf. Proc. 1793 120007
- Lambourn, B. and Handley, C. 2017 "A two-temperature model for shocked porous explosive" AIP Conf. Proc. 1793 120025
- Lane, J.M.D., Thompson, A.P. and Vogler, T.J. 2017 "Enhanced densification, strength and molecular mechanisms in shock compressed porous silicon" AIP Conf. Proc. 1793 120010
- Lauderbach, L.M., Lorenz, K.T., Lee, E.L. and Souers, P.C. 2017 "Detonation front curvatures and detonation rates" AIP Conf. Proc. 1793 030011
- Lee, E. and Drake, R. 2017 "Relationship between exploding bridgewire and spark initiation of low density PETN" AIP Conf. Proc. 1793 040012
- Lee, E. and Bowden, M. 2017 "The effect of post-burst energy on exploding bridgewire output" AIP Conf. Proc. 1793 040030
- Lee, S. and Fahrenthold, E.P. 2017 "Nonholonomic Hamiltonian method for meso-macroscale simulations of reacting shocks" AIP Conf. Proc. 1793 080006
- Liu, G.R., Wang, G.Y., Peng, Q. and De, S. 2017 "A micro-macro coupling approach of MD-SPH method for reactive energetic materials" AIP Conf. Proc. 1793 050006
- Loiseau, J., Georges, W., Frost, D.L. and Higgins, A.J. 2017 "The effect of detonation wave incidence angle on the acceleration of flyers by explosives heavily laden with inert additives" AIP Conf. Proc. 1793 060021

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- Lomonosov, I.V. 2017 "Equations of state of metals in warm dense matter region" AIP Conf. Proc. 1793 050022
- Mackenchery, K. and Dongare, A. 2017 "Shock Hugoniot behavior of single crystal titanium using atomistic simulations" AIP Conf. Proc. 1793 070001
- McDonald, S.A., Bourne, N.K., Millett, J.C.F. and Rosenberg, Z. 2017 "Towards a final analysis of lateral gauge response" AIP Conf. Proc. 1793 060025
- McGrane, S.D., Brown, K.E., Bolme, C.A. and Moore, D.S. 2017 "Interaction between measurement time and observed Hugoniot cusp due to chemical reactions" AIP Conf. Proc. 1793 030033
- McNesby, K.L., Homan, B.E., Benjamin, R.A., Boyle, V.M., Biss, M.M. and Densmore, J.M. 2017 "Near field optical characterization of explosions" AIP Conf. Proc. 1793 060008
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- Messner, M.C., Barham, M.I., Kumar, M. and Barton, N.R. 2017 "Modeling shocks in periodic lattice materials" AIP Conf. Proc. 1793 080012
- Miller, E.K., Lee, K., Larson, E. and Daykin, E. 2017 "Dynamic range studies and improvements for multiplexed photonic Doppler velocimetry" AIP Conf. Proc. 1793 160005
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- Millett, J.C.F., Taylor, P. and Appleby-Thomas, G. 2017 "Shock-induced shear strength in an HMX-based plastic bonded explosive" AIP Conf. Proc. 1793 110019
- Morrow, B.M., Escobedo, J.P., Field, R.D., Dickerson, R.M., Dickerson, P.O. and Trujillo, C.P. 2017 "Examination of the α - ω two-phase shock-induced microstructure in zirconium and titanium" AIP Conf. Proc. 1793 100033
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- Nagayama, K. and Kubota, S. 2017 "Equation of state formulation for unreacted solid high explosive PETN" AIP Conf. Proc. 1793 050008
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- Nellis, W.J. 2017 "Magnetic fields of Uranus and Neptune: Metallic fluid hydrogen" AIP Conf. Proc. 1793 090002
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- Nguyen, T.T.N. and Proud, W.G. 2017 "An investigation of a reticulated foam - perforated steel sheet combination as a blast mitigation structure" AIP Conf. Proc. 1793 120008
- Pacheco, A.H., Gustavsen, R.L., Aslam, T.D. and Bartram, B.D. 2017 "Hugoniot based equation of state for solid polyurea and polyurea aerogels" AIP Conf. Proc. 1793 120029
- Painter, J.D., Fitzmaurice, B.C., Goff, M., Appleby-Thomas, G.J., Wood, D.C. and Pinto, T. 2017 "On a novel graded areal density solution to facilitate ramp wave generation in plate-impact studies" AIP Conf. Proc. 1793 060017
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- Perry, J.I. 2017 "The dynamic response of sand: Effects of moisture and morphology" PhD thesis, Univ. of Cambridge
- Perry, J.I., Braithwaite, C.H., Taylor, N.E. and Jardine, A.P. 2017 "The shock and release properties of dry and wetted silica sand" AIP Conf. Proc. 1793 120015
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