HIGH-STRAIN RATE LABORATORY







Examples of high time resolution spectroscopy: carbon plasma spectral emission (left), Aluminum reactions during shock compression (right)

Understanding and controlling heterogeneous microstructures to design new materials, such as for safer energetic materials. New in-situ characterization using X-ray Phase Contrast Imaging and Phtoton Doppler Interferometry are utilized to time-resolved measurement of shock compression states...

Faster than the traditional approach

Expected to give optimum results because it will learn from past inferences