

LA-UR-

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Title: Cyclops Experiment (U)

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Intended for: Hallway display in the NSSB building



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Cyclops Experiment (U)

XTD Safety and Surety Group

Abstract

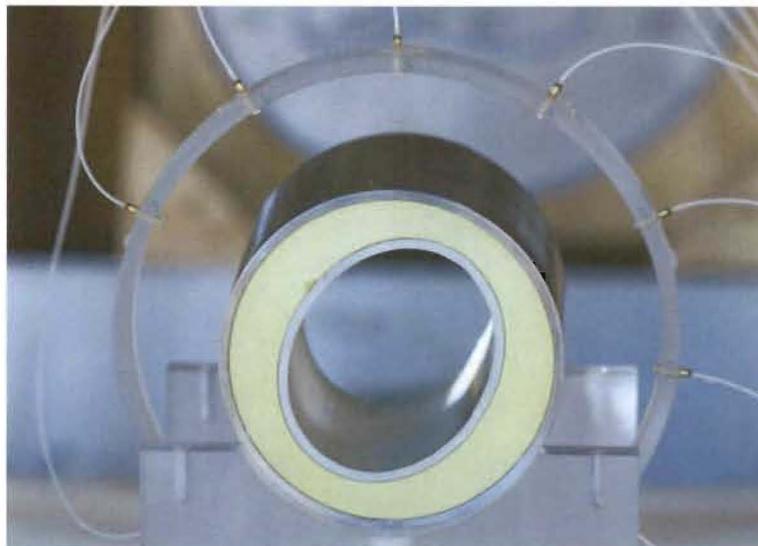
A proton radiography experiment to investigate the spatiotemporal evolution of the burn front and associated reflected shocks on a PBX-9502 charge confined between an outer cylindrical metal liner and an inner elliptical liner. This experiment will enable us to validate several models in the Pagosa hydro code.

Photos from LA-UR 10-03963

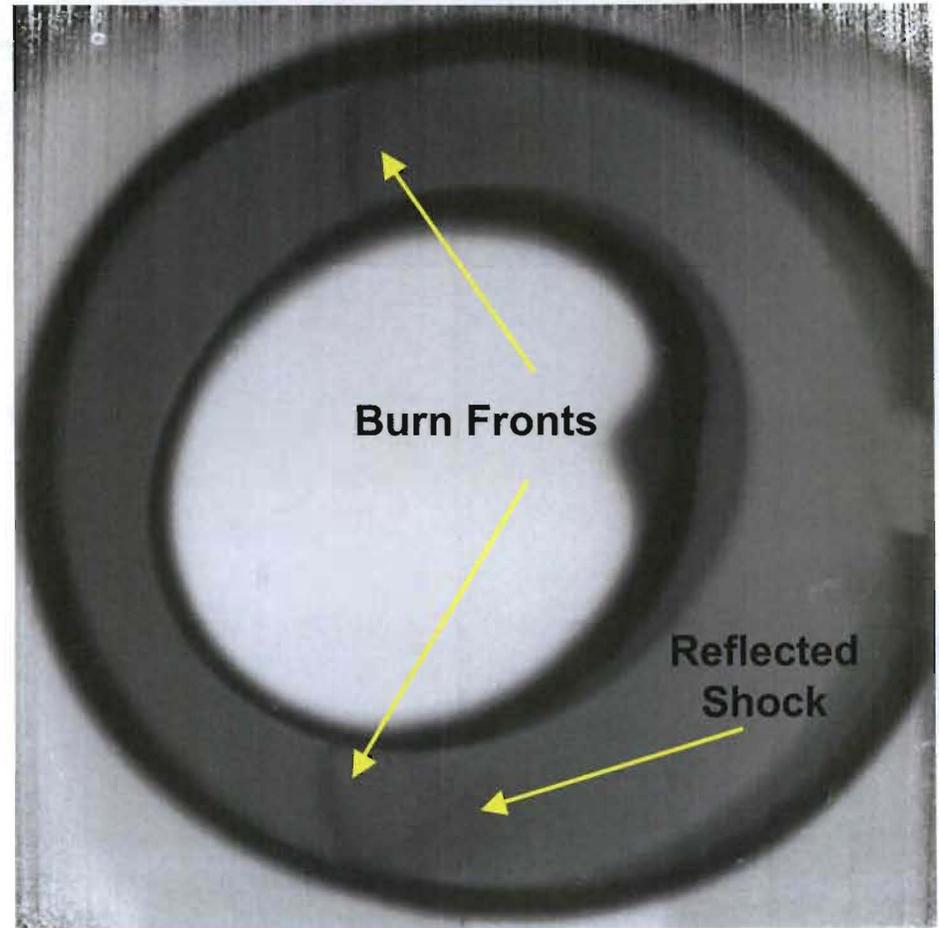
pRad image from LA-UR 10-02580



Cyclops Assembly

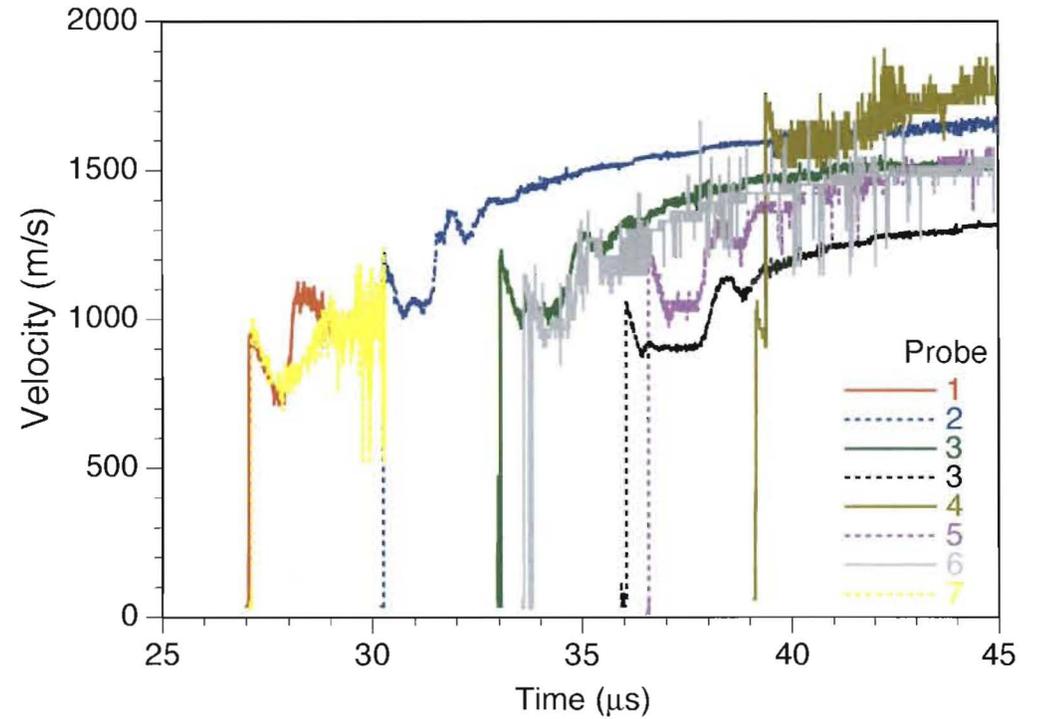
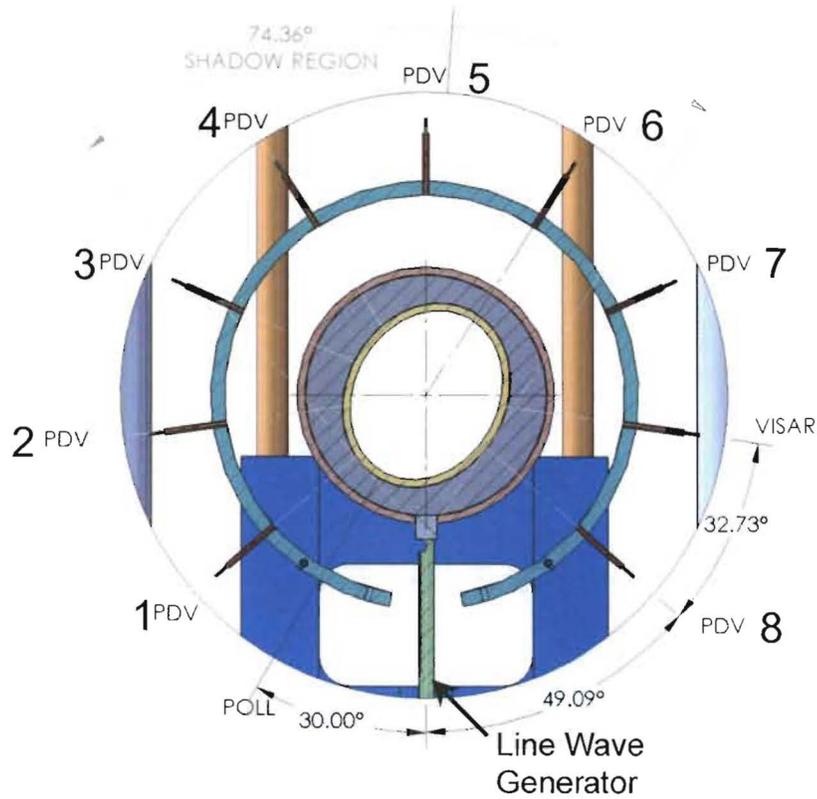


Cyclops Before Firing



Cyclops pRad Image

Velocimetry probe layout and data



PDV data from LA-UR 10-03963