

Table 1: Model Parameters

Parameter	Description	Value
NC	Total number of grid cells	74
Δx	Grid size	0.0375 cm
$(NC)_{\text{flyer}}$	Number of grid cells in flyer plate	8
$(NC)_{\text{target}}$	Number of grid cells in target plate	48
$(NC)_{\text{vacuum}}$	Number of grid cells in vacuum regions	18 (9 x 2)
Δt	Maximum size of time step	0.01 μs
$\rho(t=0)$	Initial density	8.93 gm cm^{-3}
$u_{\text{fp}}(t=0)$	Initial velocity of flyer plate	0.0645 $\text{cm } \mu\text{s}^{-1}$
Y	Yield stress	0.026 Mbar
G	Shear modulus	0.46 Mbar
Γ	Gruneisen parameter	2.002
s	Shock velocity constant	1.489
c_0	Initial sound speed	0.394 $\text{cm } \mu\text{s}^{-1}$
C_L	Linear artificial viscosity constant	0.2
C_Q	Quadratic artificial viscosity constant	2.0

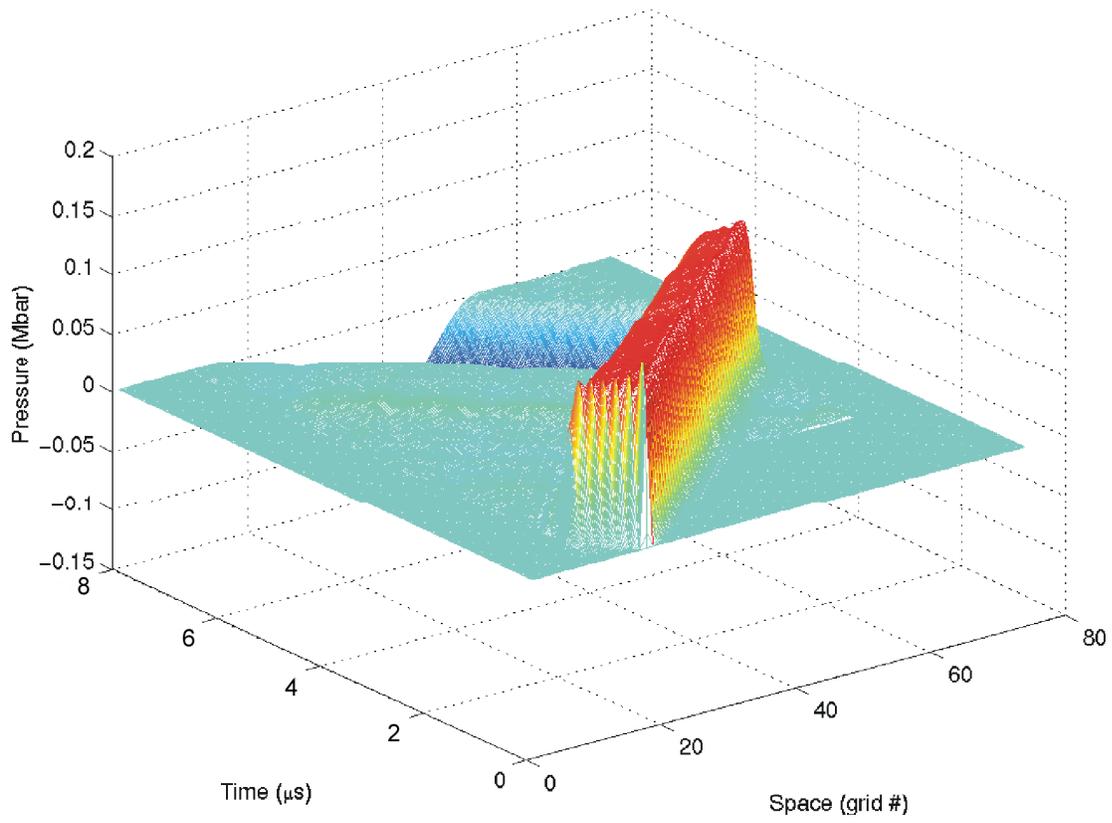
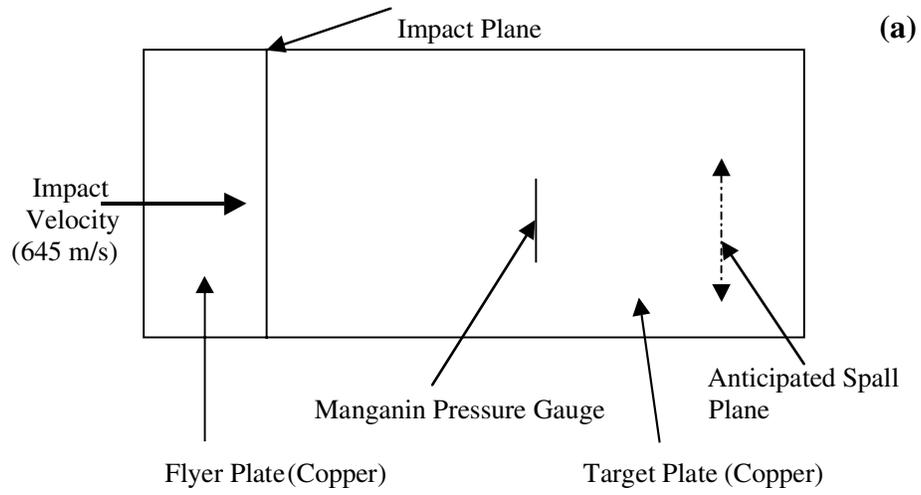


Fig. 1

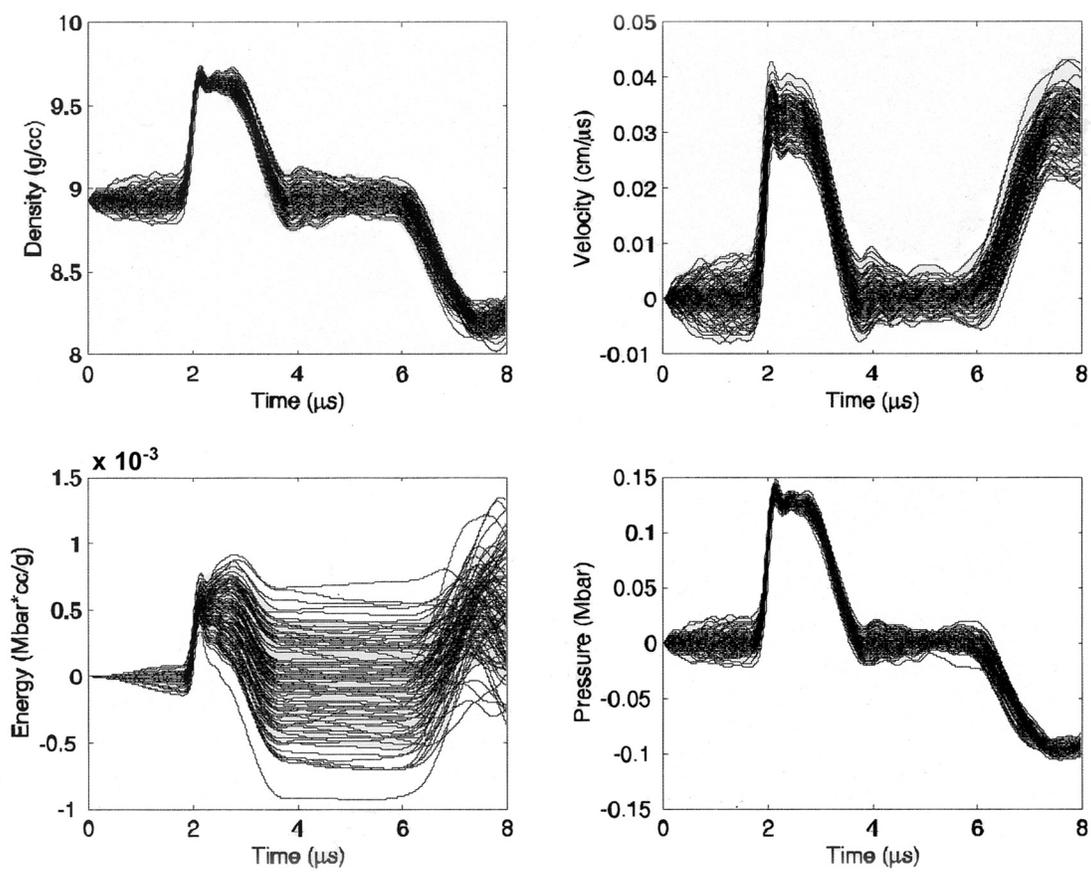


Fig. 2

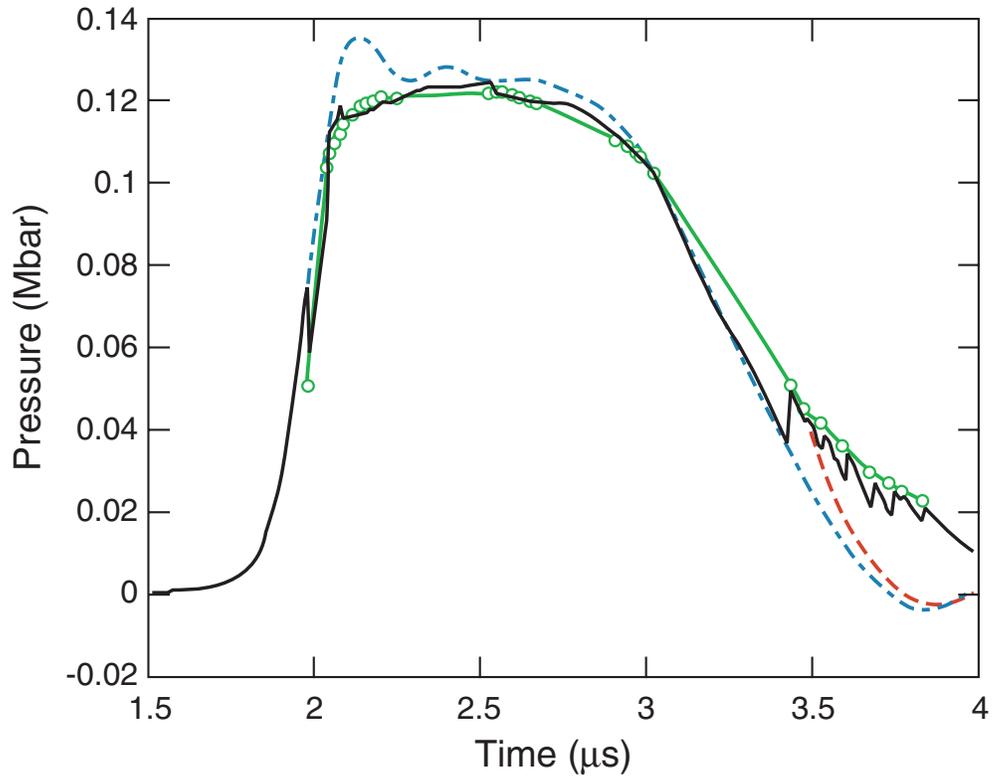


Fig. 3

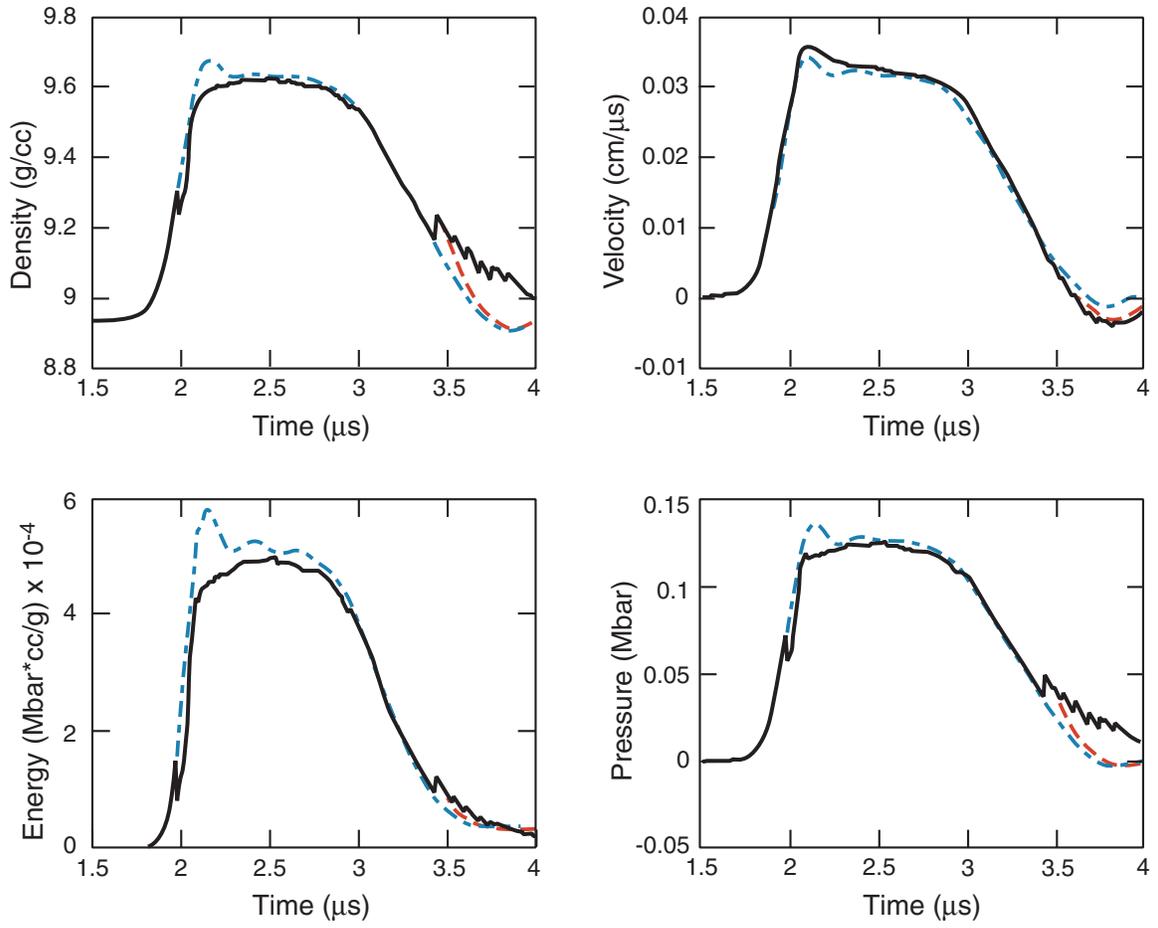


Fig. 4

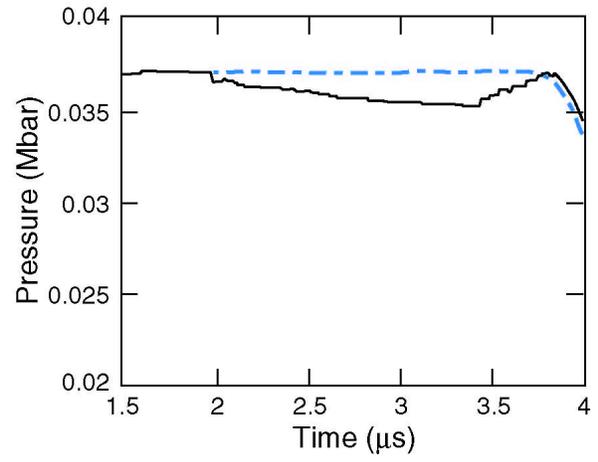
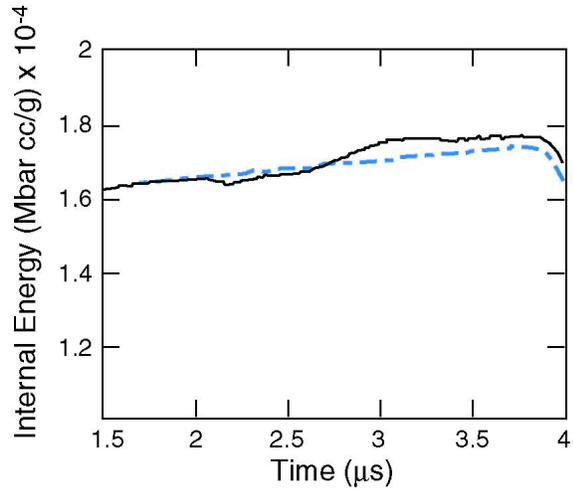
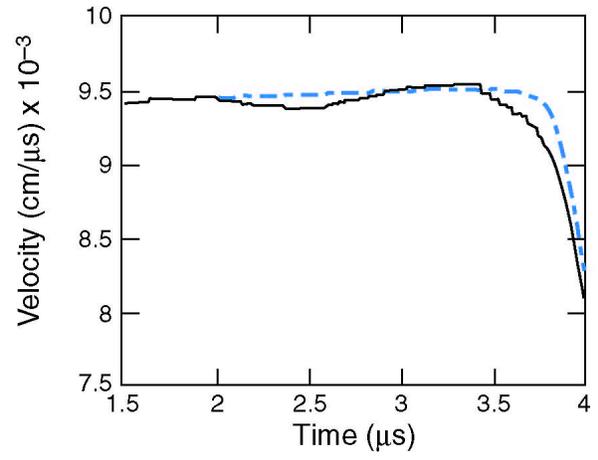
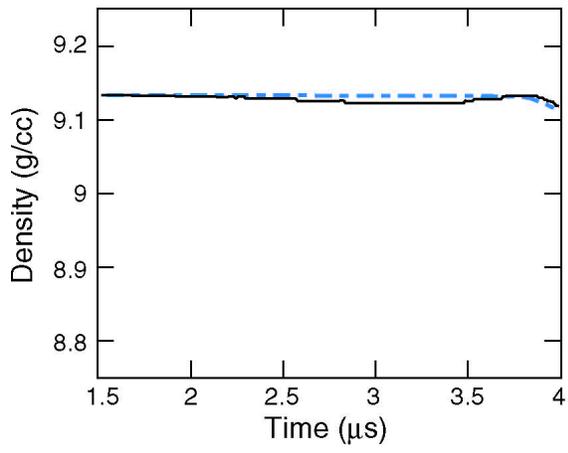


Fig. 5

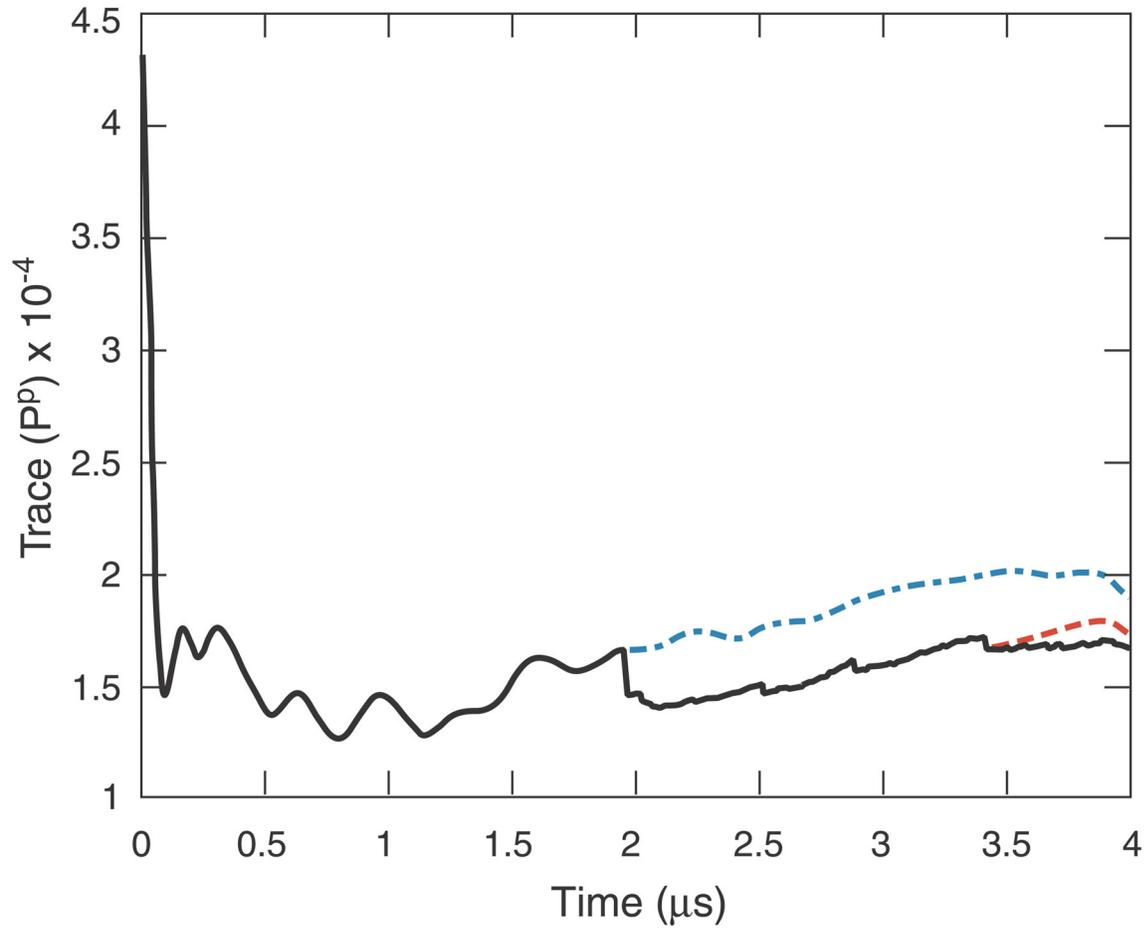


Fig. 6

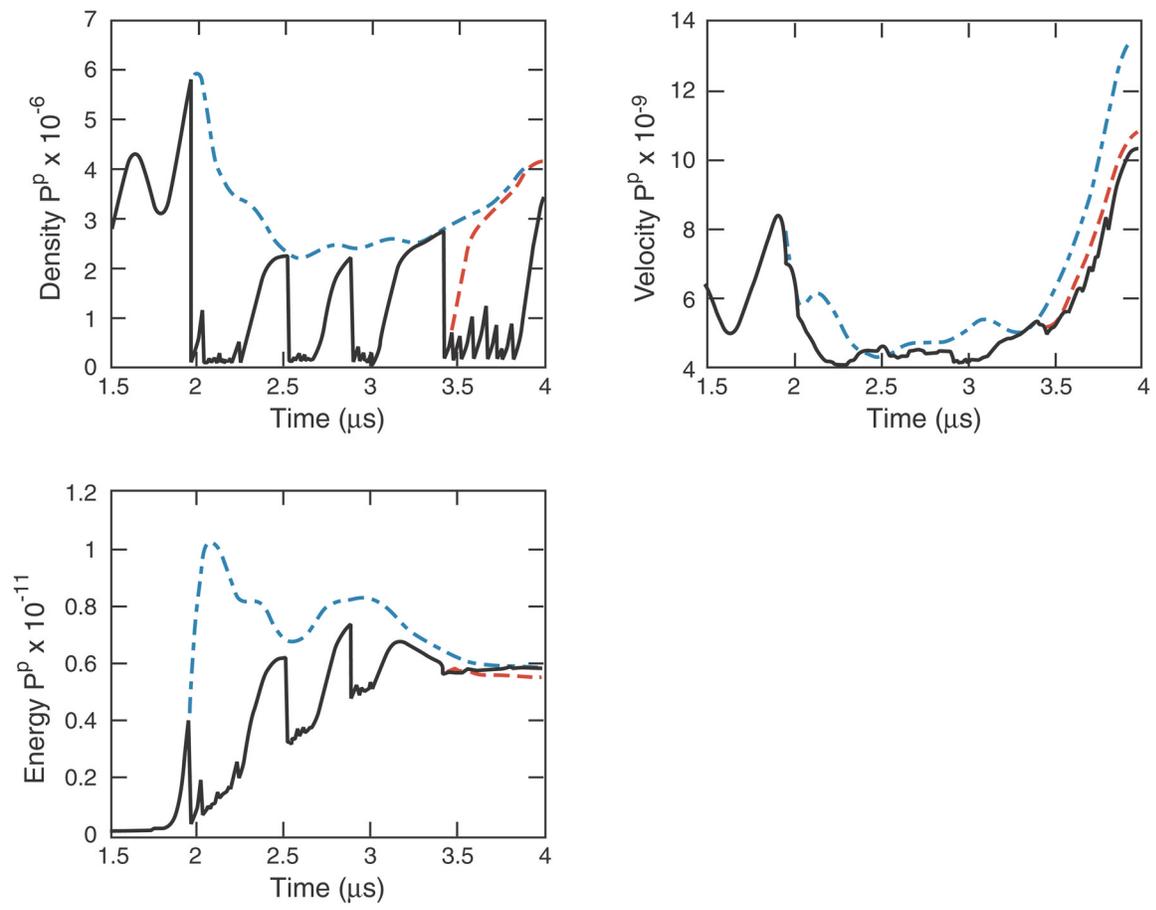


Fig. 7

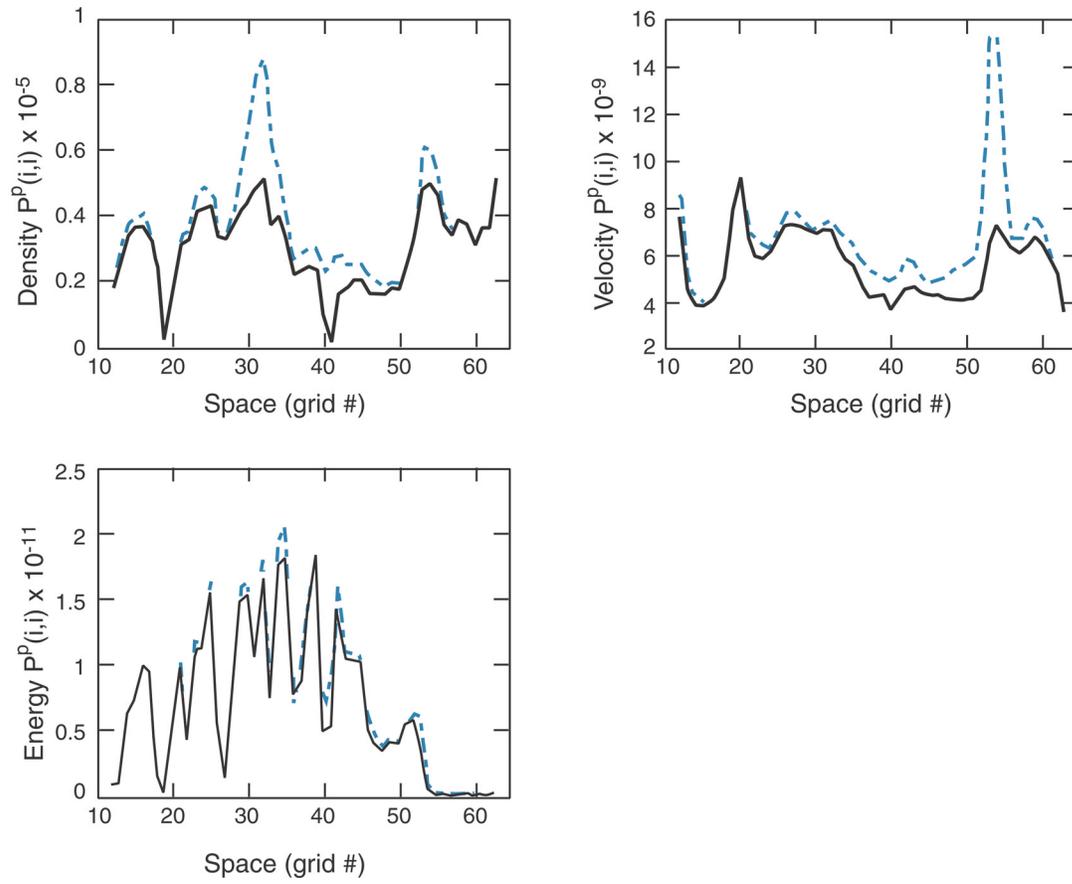


Fig. 8

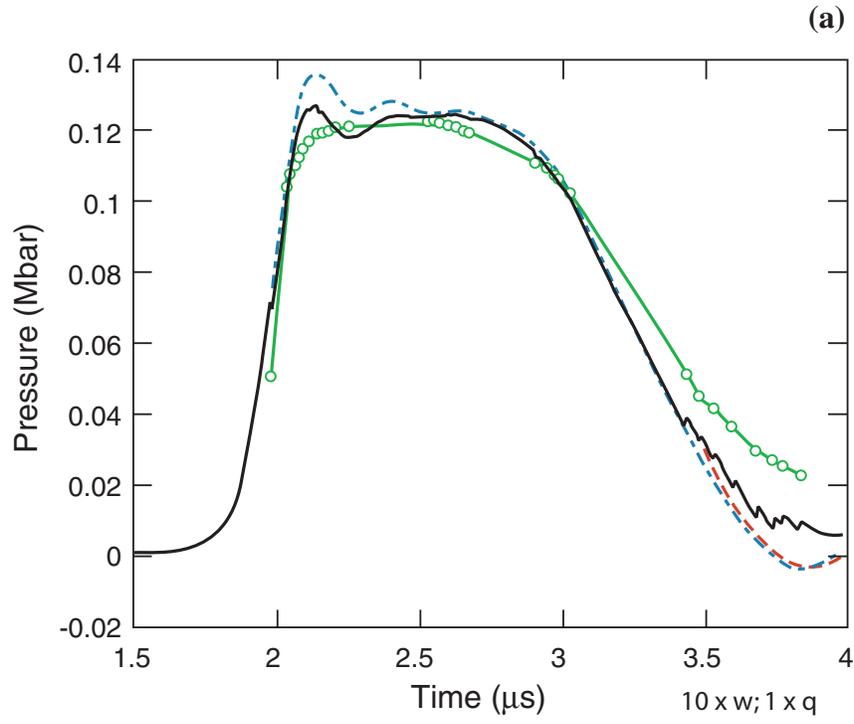


Fig. 9a

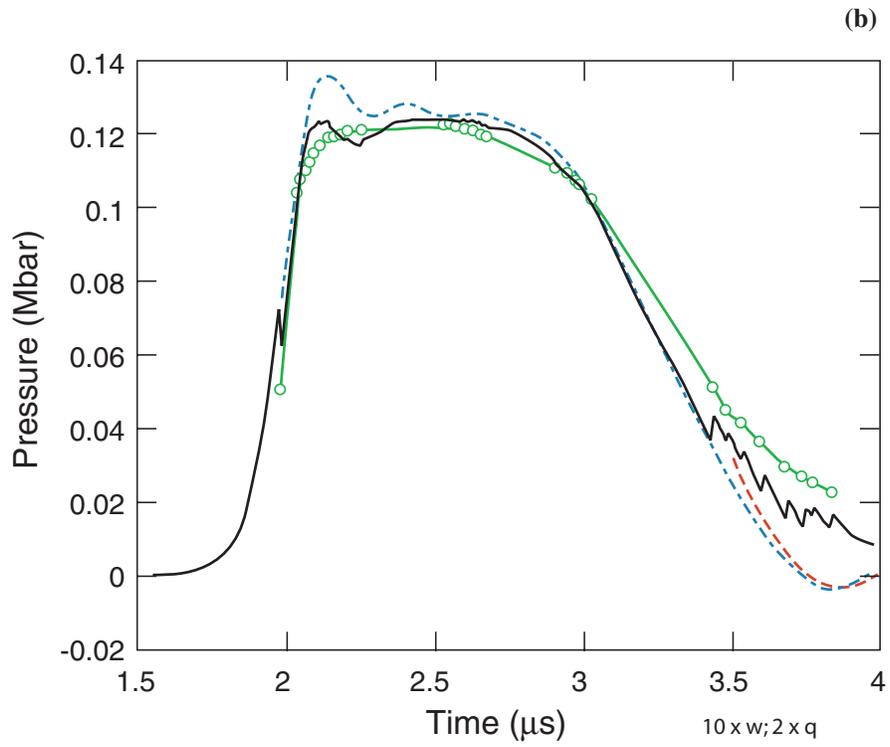


Fig. 9b

continuation of Figure 9

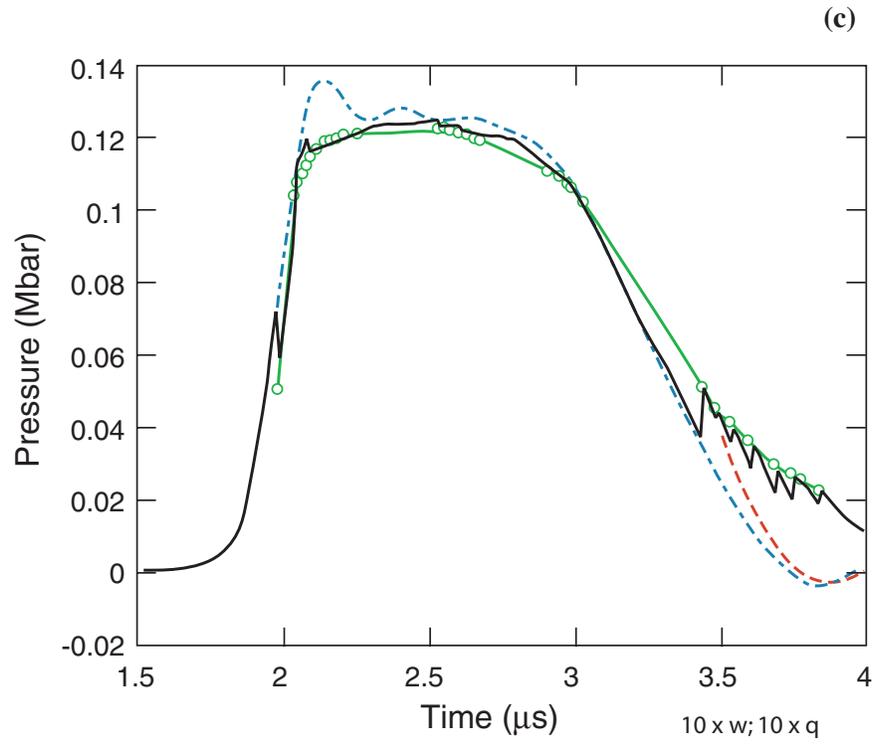


Fig. 9c

Fig. 9

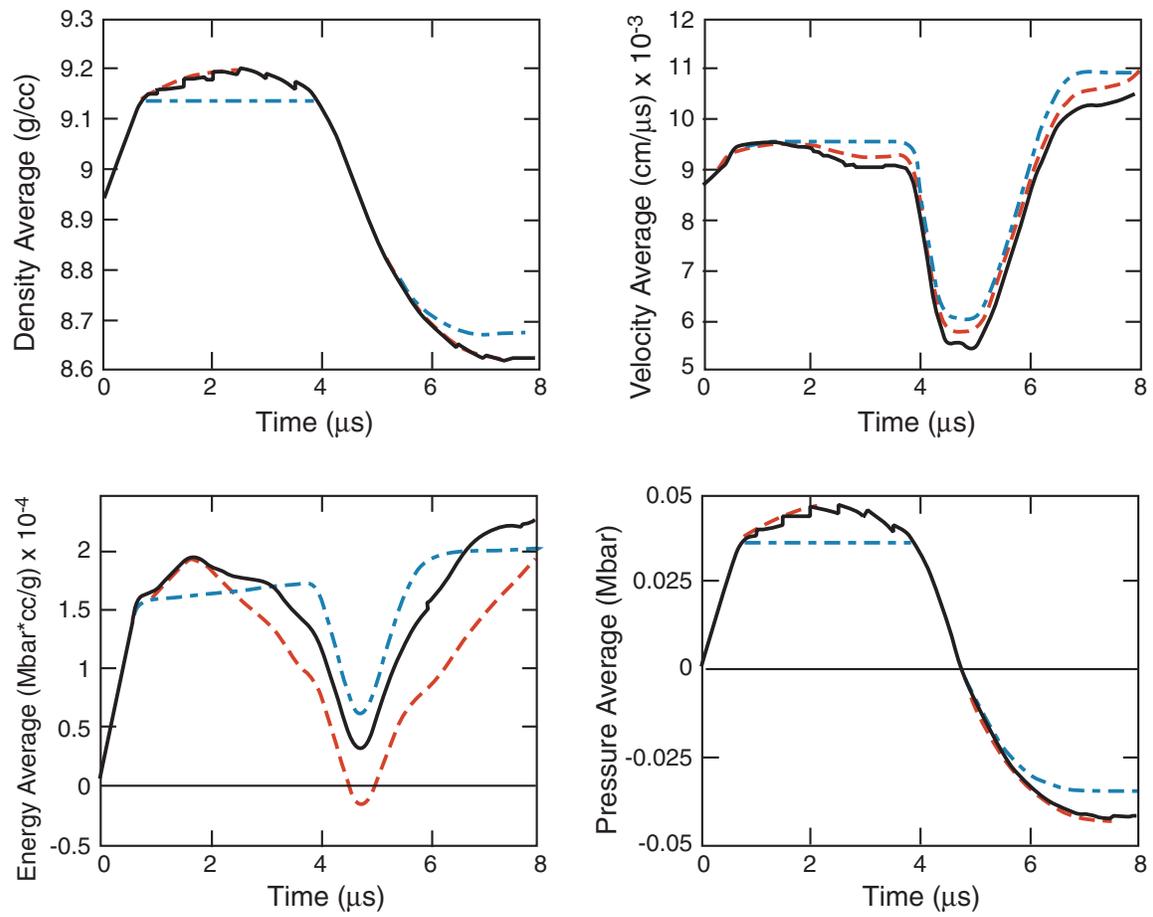


Fig. 10

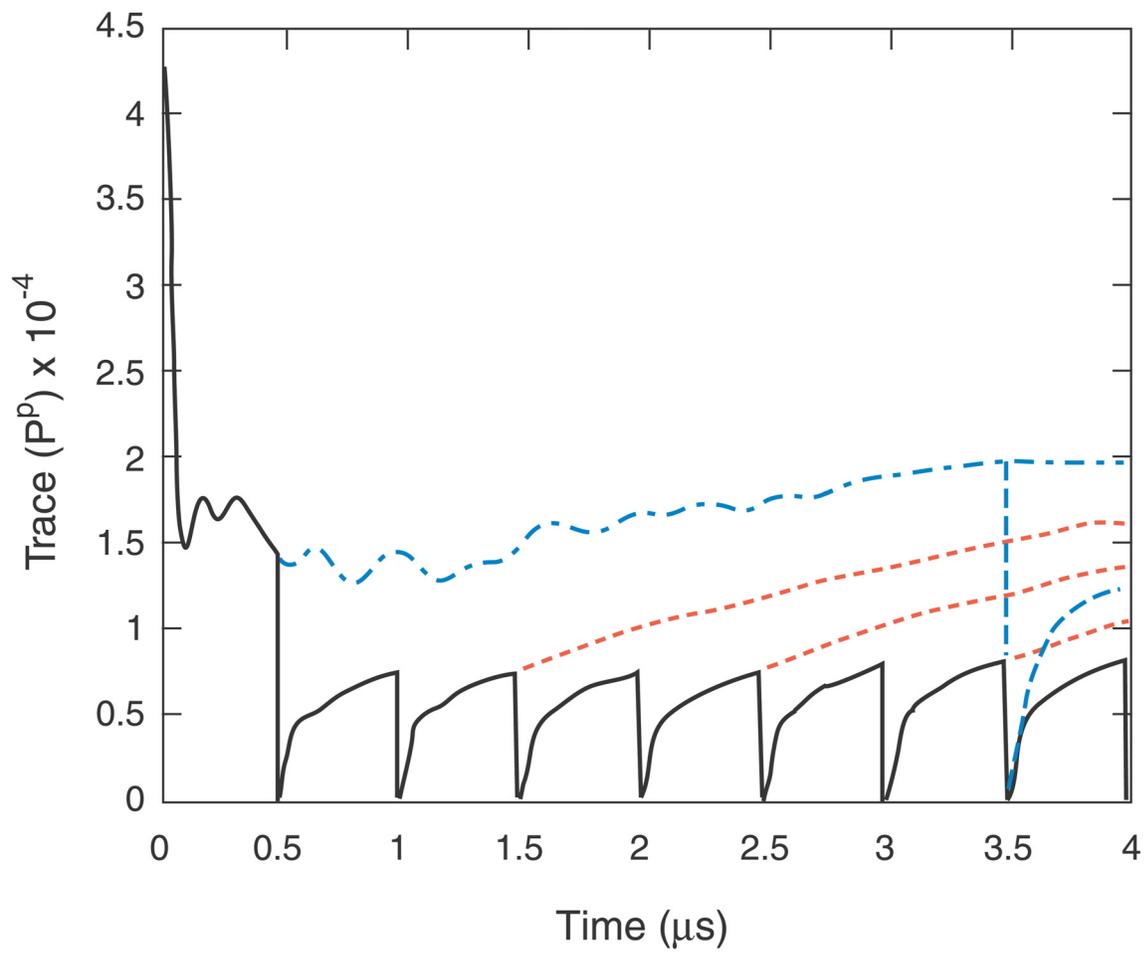


Fig. 11