

On these shots, secondary $D^3\text{He}$ -p spectra were measured.

- From the downshift in the mean energy of the $D^3\text{He}$ -p spectrum, the total ρR of the implosion was inferred.
 - A uniform shell density of 25g/cm^3 and temperature of 150eV was assumed.
 - The relationship between mean energy and total ρR is calculated based on the Li–Petrasso stopping power model.^[1]

WRF	Shock yield	Mean energy* (MeV)	Shock pR (mg/cm ²)
109090 TIM6	4.0e+07 ± 4.2e+07	12.36 ± 0.23	84.2 ± 13.9
109092 P2	3.7e+07 ± 1.0e+08	11.82 ± 0.38	102.1 ± 19.8
109092 TIM6	5.0e+07 ± 2.1e+07	12.17 ± 0.10	90.8 ± 9.8
109093 P2	8.6e+06 ± 4.9e+06	12.00 ± 0.44	96.4 ± 21.5
109093 TIM6	1.5e+08 ± 3.3e+08	11.38 ± 0.25	116.2 ± 16.4
109094 P2	4.4e+06 ± 1.2e+07	11.19 ± 1.23	122.2 ± 47.2
109094 TIM6	9.5e+06 ± 7.3e+06	12.34 ± 0.24	84.9 ± 14.2
109098 P2	3.1e+07 ± 8.6e+07	12.66 ± 0.24	74.1 ± 13.8
109098 TIM6	5.0e+07 ± 5.8e+07	12.72 ± 0.10	72.0 ± 8.7

WRF	Shock yield	Mean energy* (MeV)	Shock pR (mg/cm ²)
109099 TIM6	1.5e+07 ± 2.8e+06	11.89 ± 0.12	99.9 ± 11.3
109100 TIM6	1.0e+08 ± 2.0e+08	10.89 ± 0.19	131.2 ± 15.4
109101 P2	4.3e+07 ± 8.1e+07	11.45 ± 0.28	114.0 ± 17.2
109101 TIM6	8.9e+07 ± 9.6e+07	11.93 ± 0.15	98.5 ± 12.3
109102 P2	2.6e+07 ± 3.2e+07	12.07 ± 0.50	93.9 ± 23.5
109102 TIM6	5.3e+07 ± 1.4e+07	12.79 ± 0.10	69.6 ± 8.6
109103 TIM6	2.4e+07 ± 1.1e+07	11.71 ± 0.19	105.6 ± 13.8

Mean energy summary









