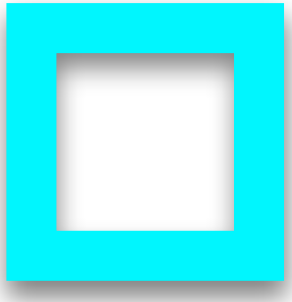
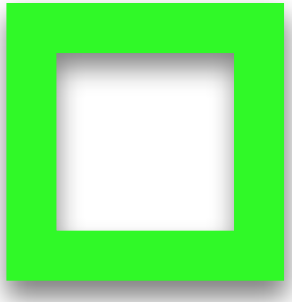
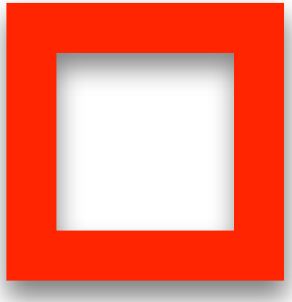
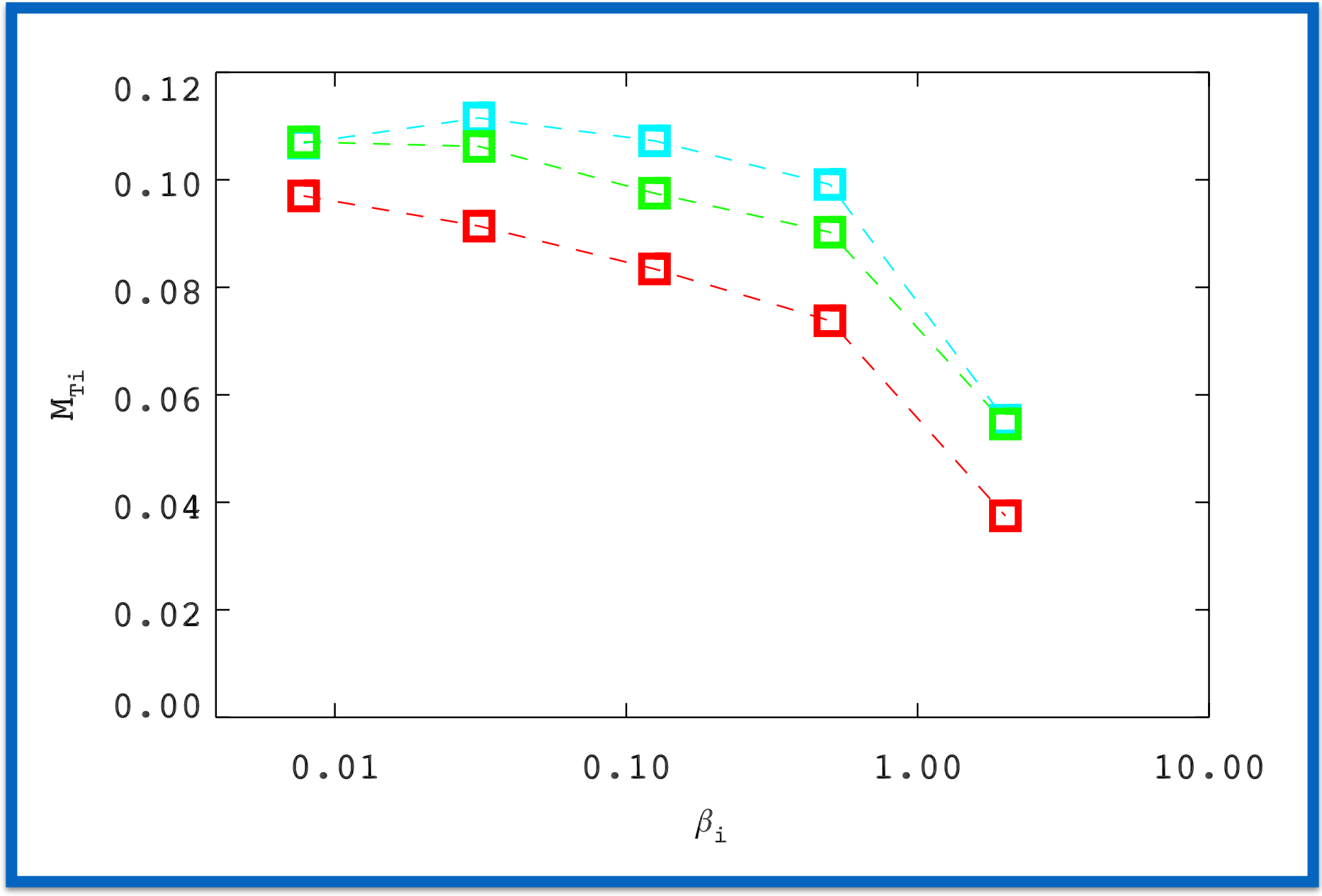
Ion gross heating








0.12
0.10
0.08
0.06
0.04
0.02
0.00
M_{Ti}
0.01
0.10
1.00
10.00
β_i

Equation of state for variable adiabatic index

$$const = \frac{p}{\rho^{5/3}} \left(\frac{3}{2}\Theta + \sqrt{\frac{9}{4}\Theta^2 + 1} \right), \Theta = \frac{kT}{mc^2}$$

Compressive vs. non-compressive heating