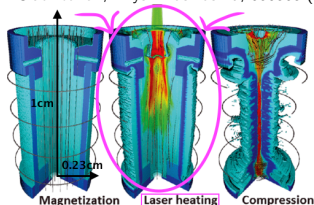


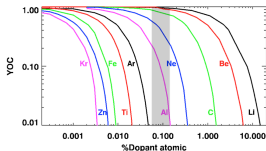
Magnetic liner inertial fusion (MagLIF)

(1) The scheme

- Slutz et. al., Phys. Plasmas 17, 056303 (2010)



(2) A problem: laser preheat is non-uniform



- Mixing fractions for given elements
- Higher Z materials will exhibit more mix.

(3) Reduced to toy-problem

A Sedov explosion,

$$R \propto \left(\frac{Et^2}{\rho} \right)^{\frac{1}{5}}.$$

Codes: FLASH (sim below), Perseus

