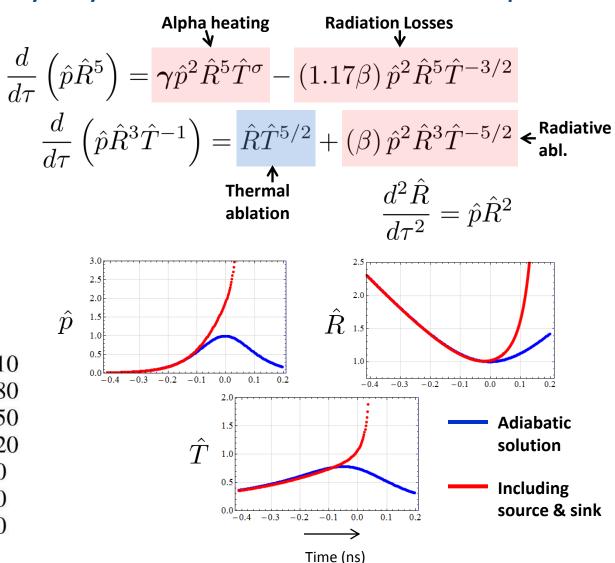
## LLE OMEGA Laser 64 beam direct drive Laser beam Core

## Density $(g/cm^3)$ **OMEGA** $r(\mu m)$

Code: DEC2D/3D

## **Creating Star on Earth**

## **Hydrodynamics of Inertial Confinement Fusion implosions**



- 1) S. Atzeni, J. Meyer-ter-Vehn, "The Physics of Inertial Fusion", Oxford Univ. Press
- A. Bose & R. Betti, <u>Phys. Plasmas</u> 22 (2015),
- 3) A. Bose et al, Phys. Rev. E **94** (R) (2016).