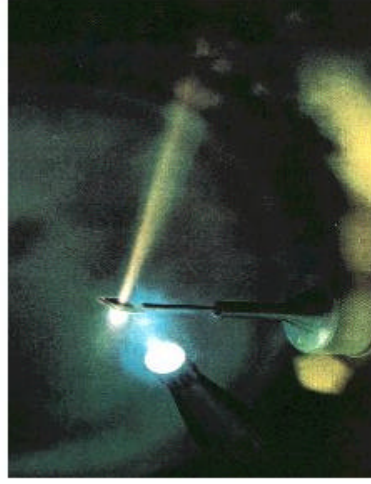


Synergetics of Laser and Ion Beams

PW High-Energy Laser
 10^{21} W/cm² @ 450 fs
 4-6 kJ @ 5-20 ns



Hot Plasma Creation
X-Ray Generation
Intense γ -Pulses

Plasma Physics

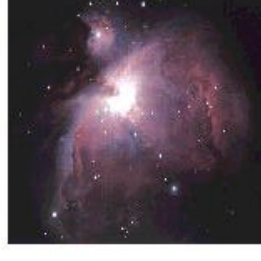
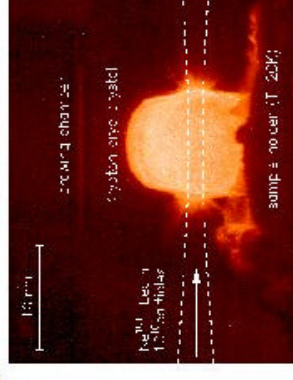
Astrophysics

Atomic Physics

Nuclear Physics

Technical Applications
Inertial Fusion

Heavy-Ion Beam
1 kJ, 100 ns



Homogeneous Plasmas
High Z Ions
Exotic Nuclei