The Sun, our nearest star
– charged particles move along magnetic field lines
- charged particles move along magnetic field lines
- moving charged particles generate magnetic fields
400,000,000,000,000,000,000,000,000 Watts
4 protons

He nucleus
(α-particle)
E = mc^2
400,000,000,000,000,000,000,000,000,000,000,000,000,000 Watts
600,000,000,000,000 kg / second
thermonuclear energy produced in core
radiative zone

thermonuclear energy produced in core

radiative zone
thermonuclear energy produced in core

radiative zone

convective zone
CHROMOSPHERE