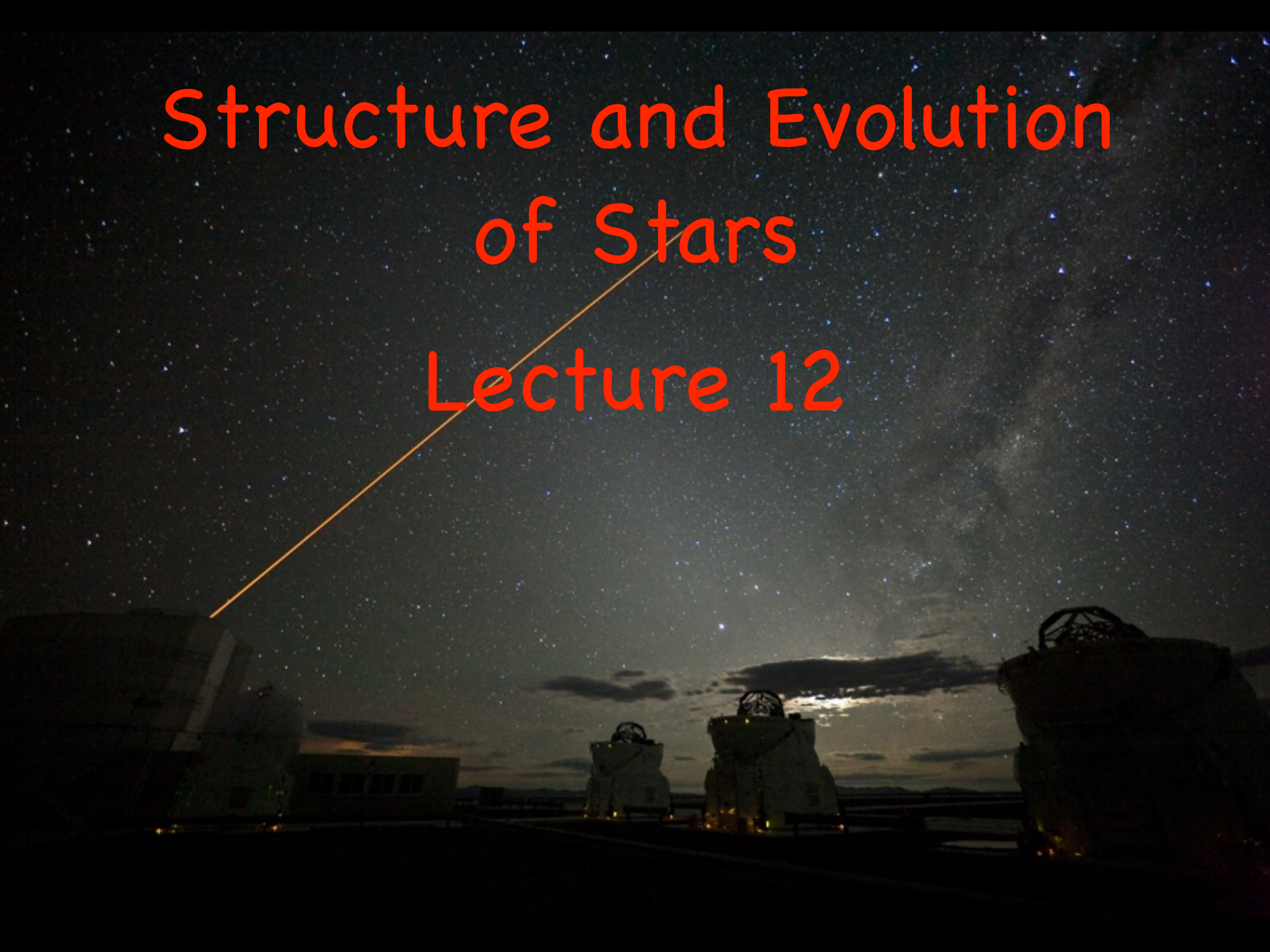
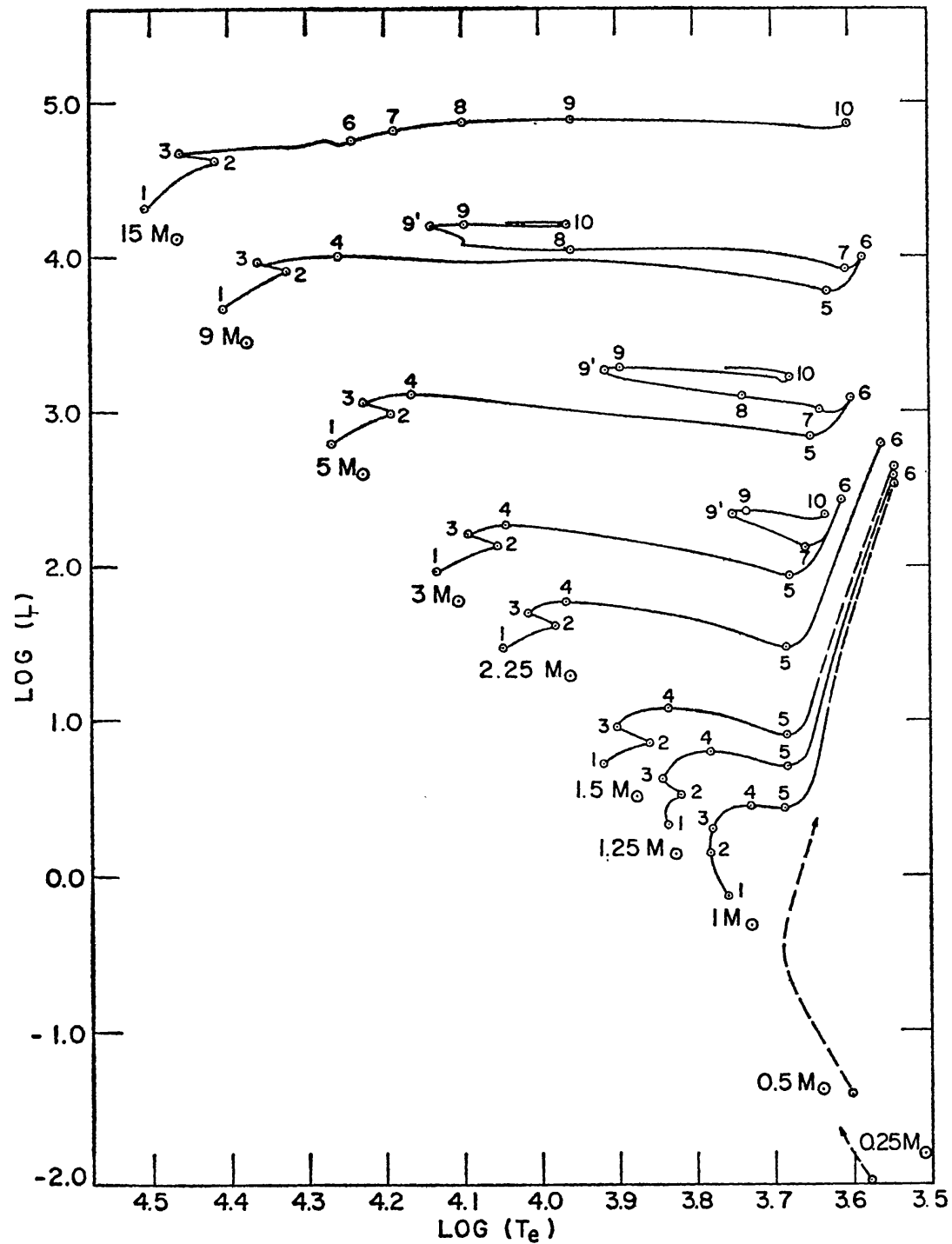


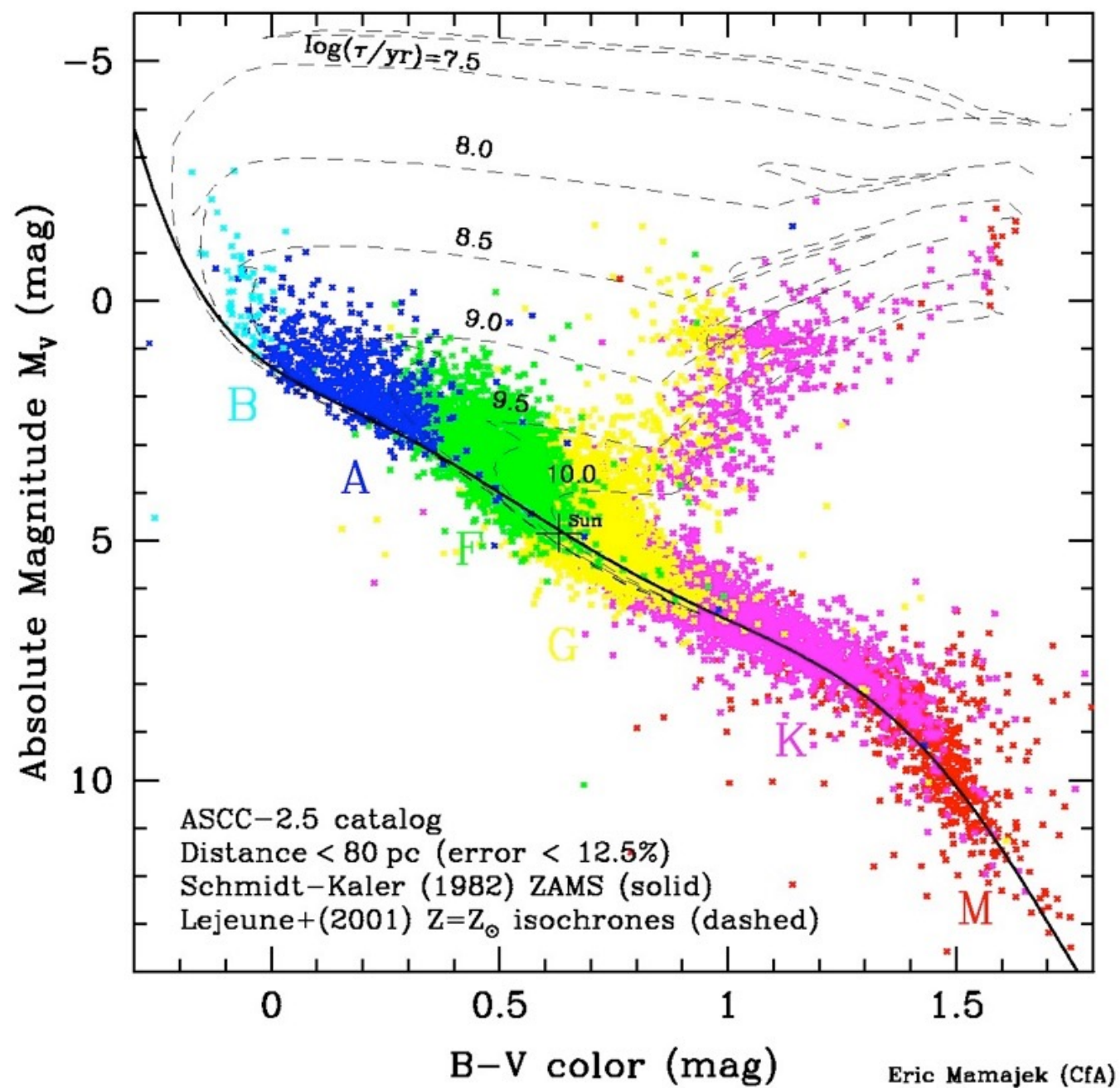
Structure and Evolution of Stars

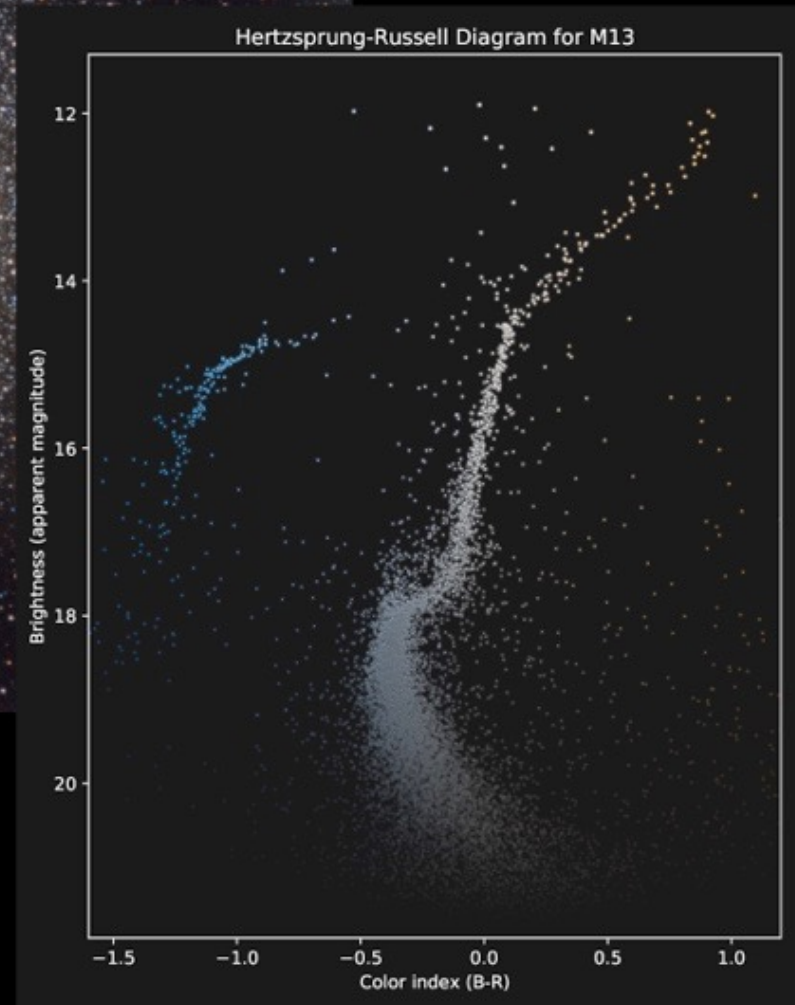
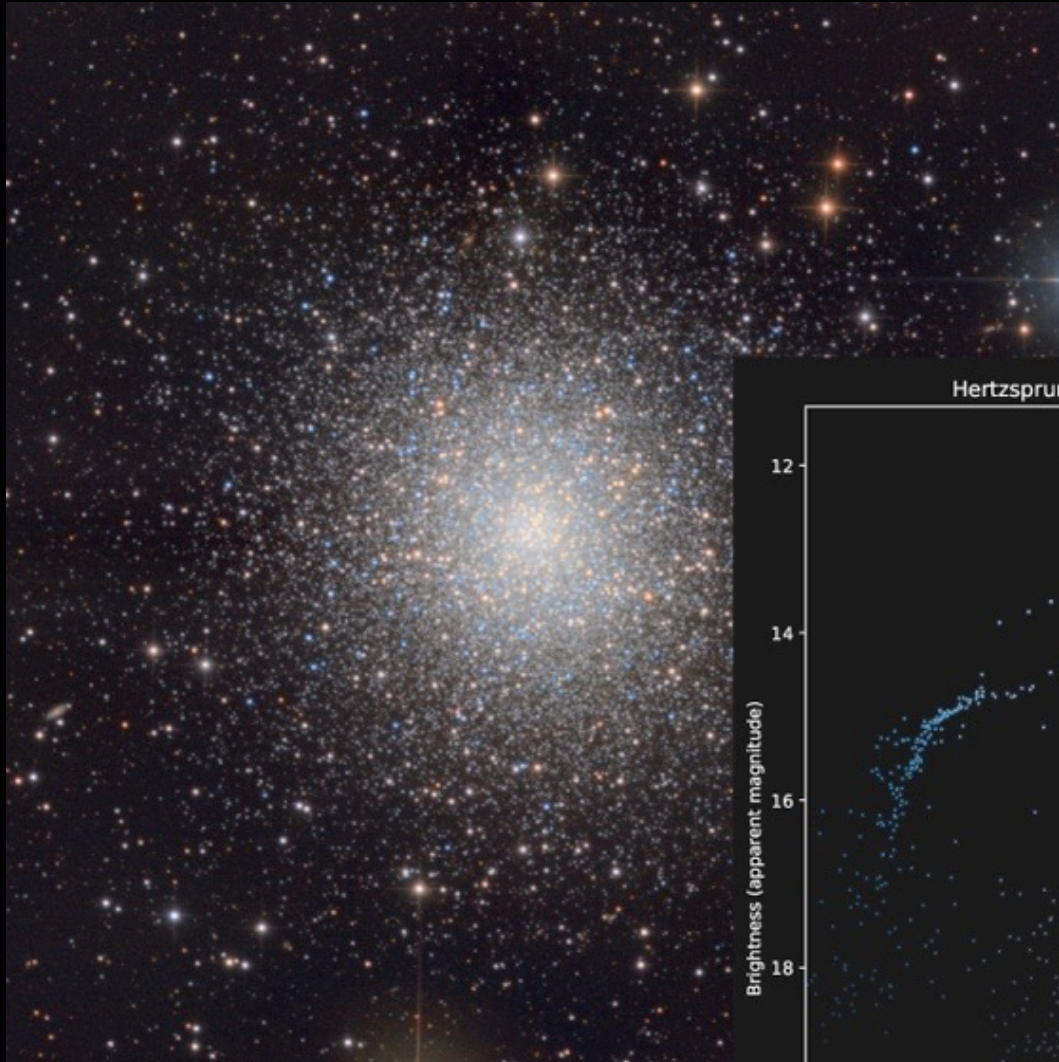
Lecture 12

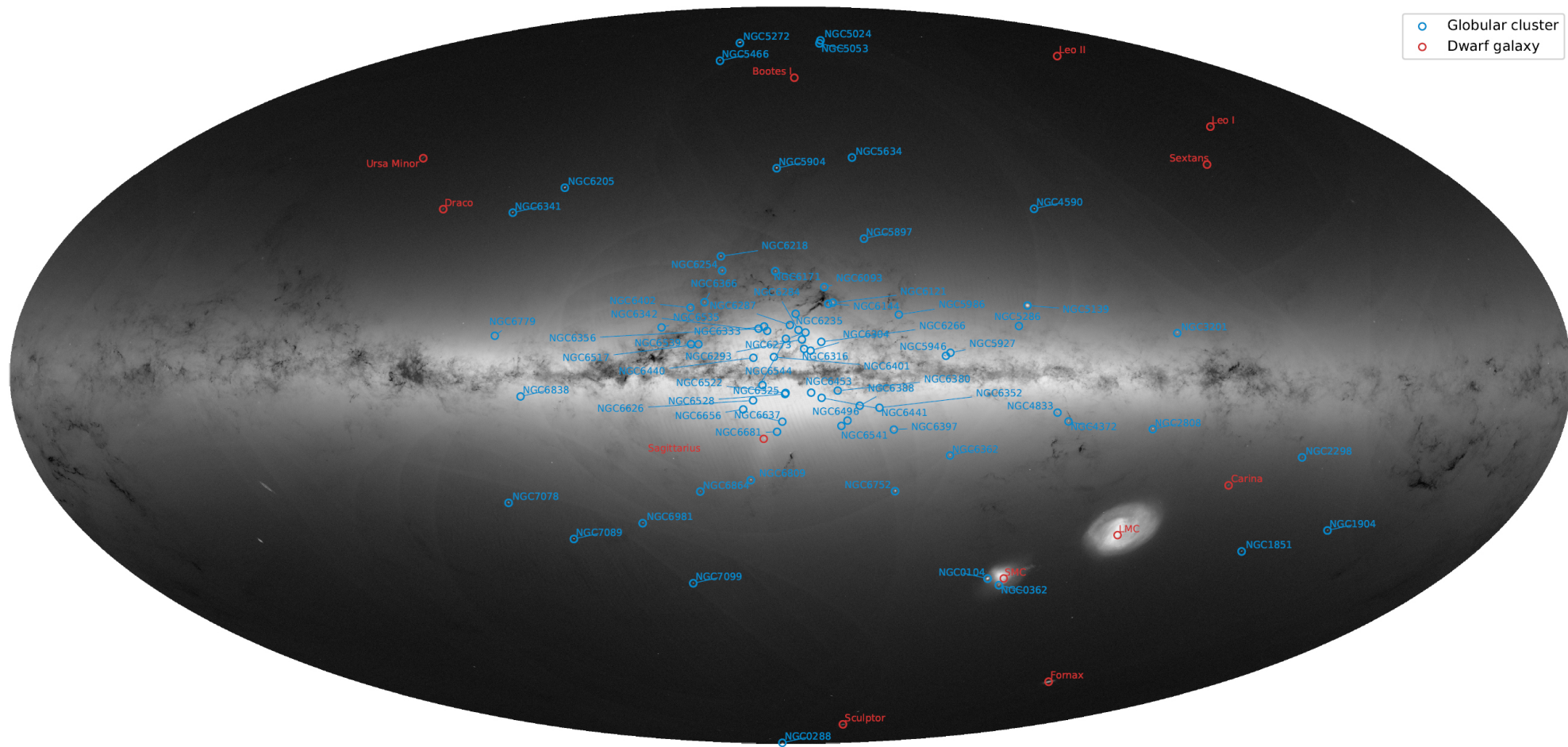


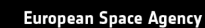


Iben 1967

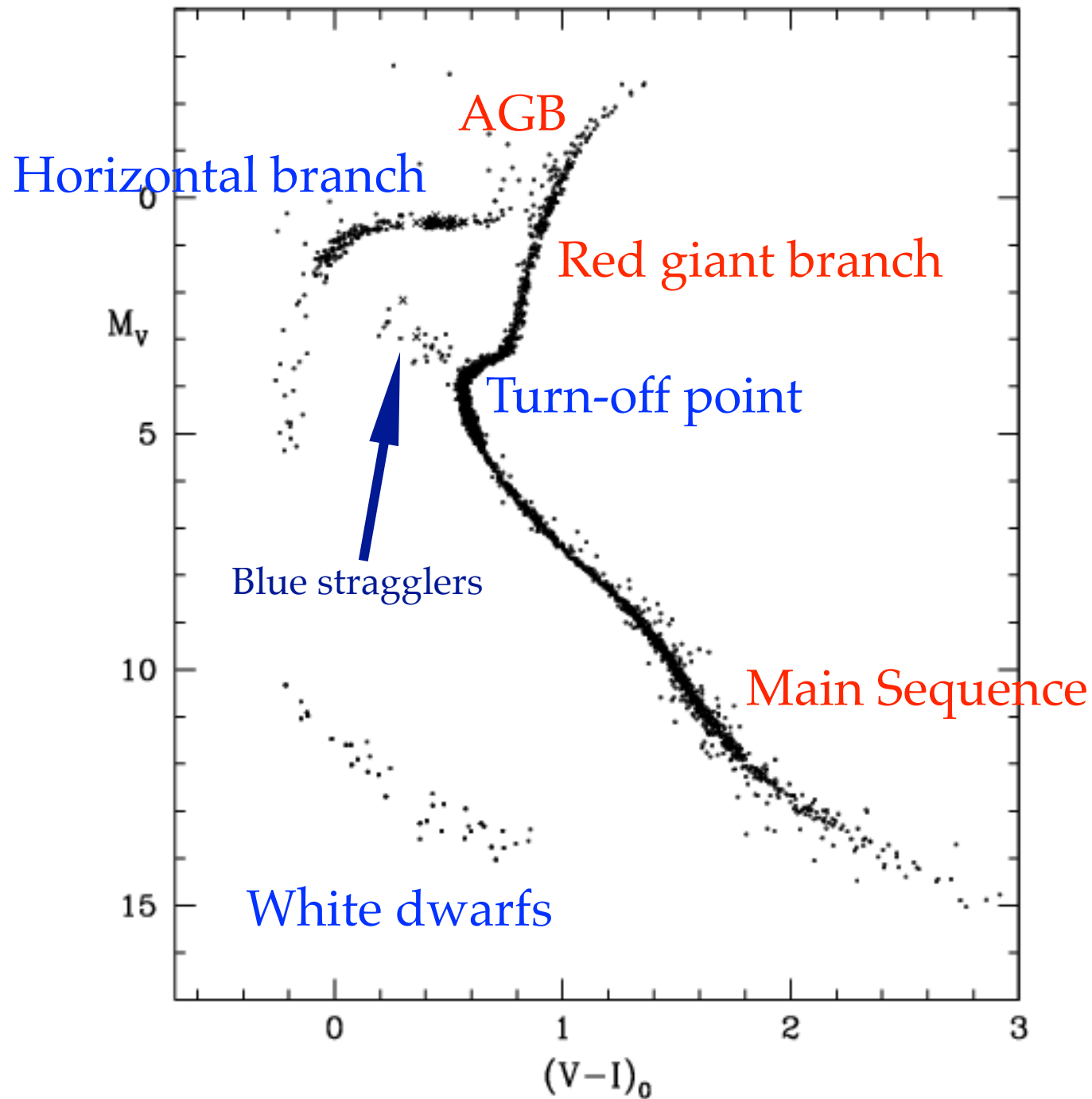


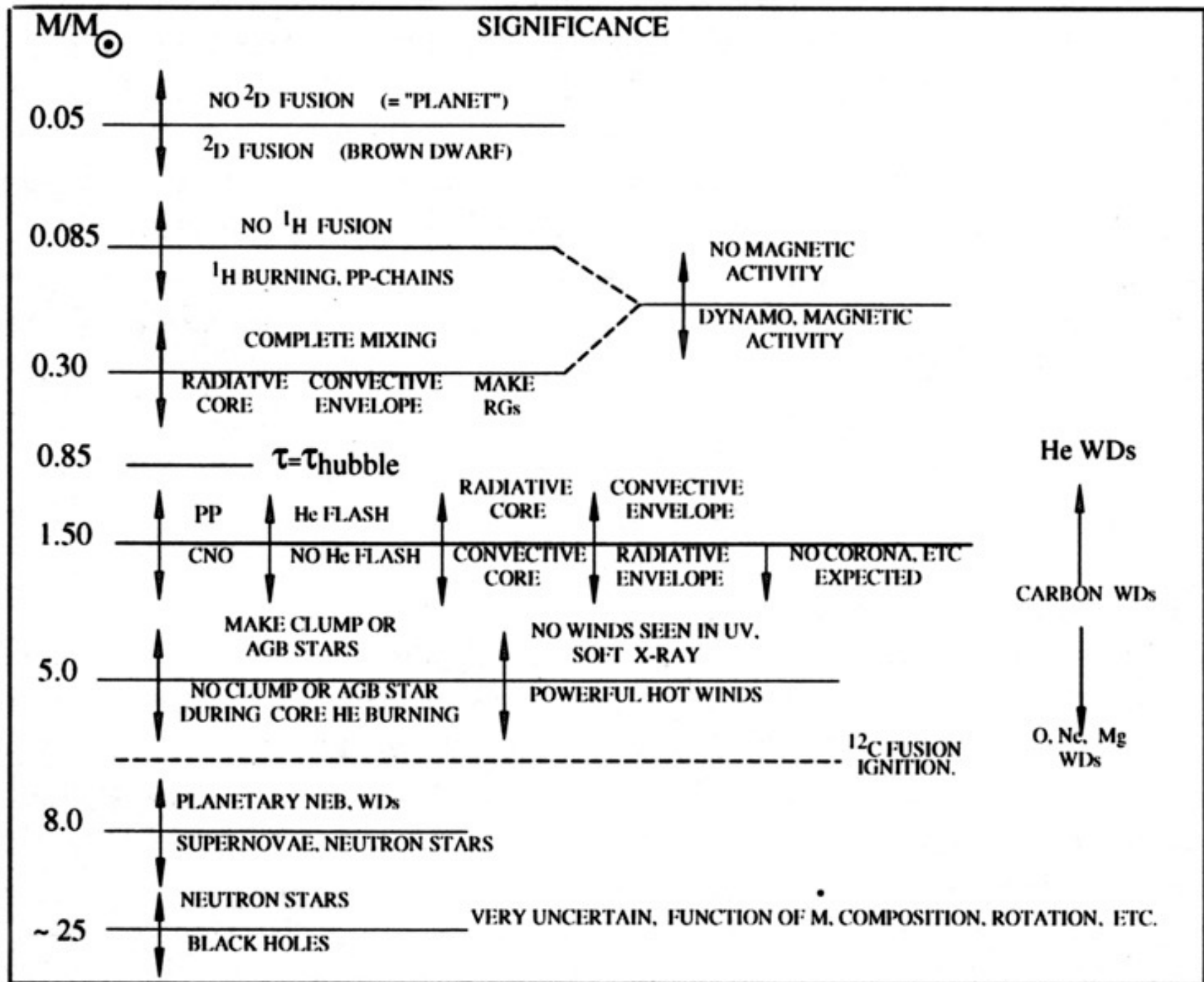


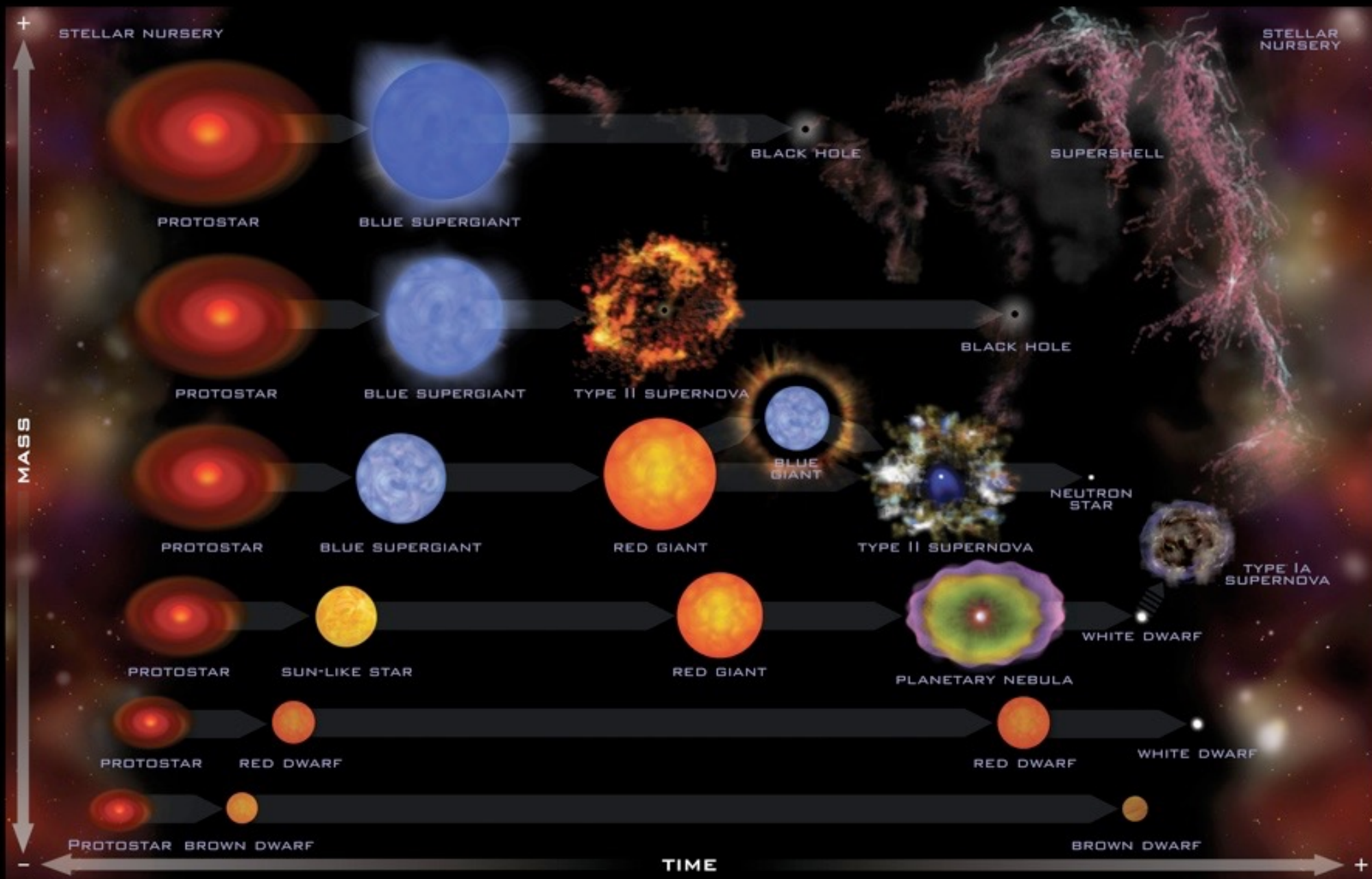


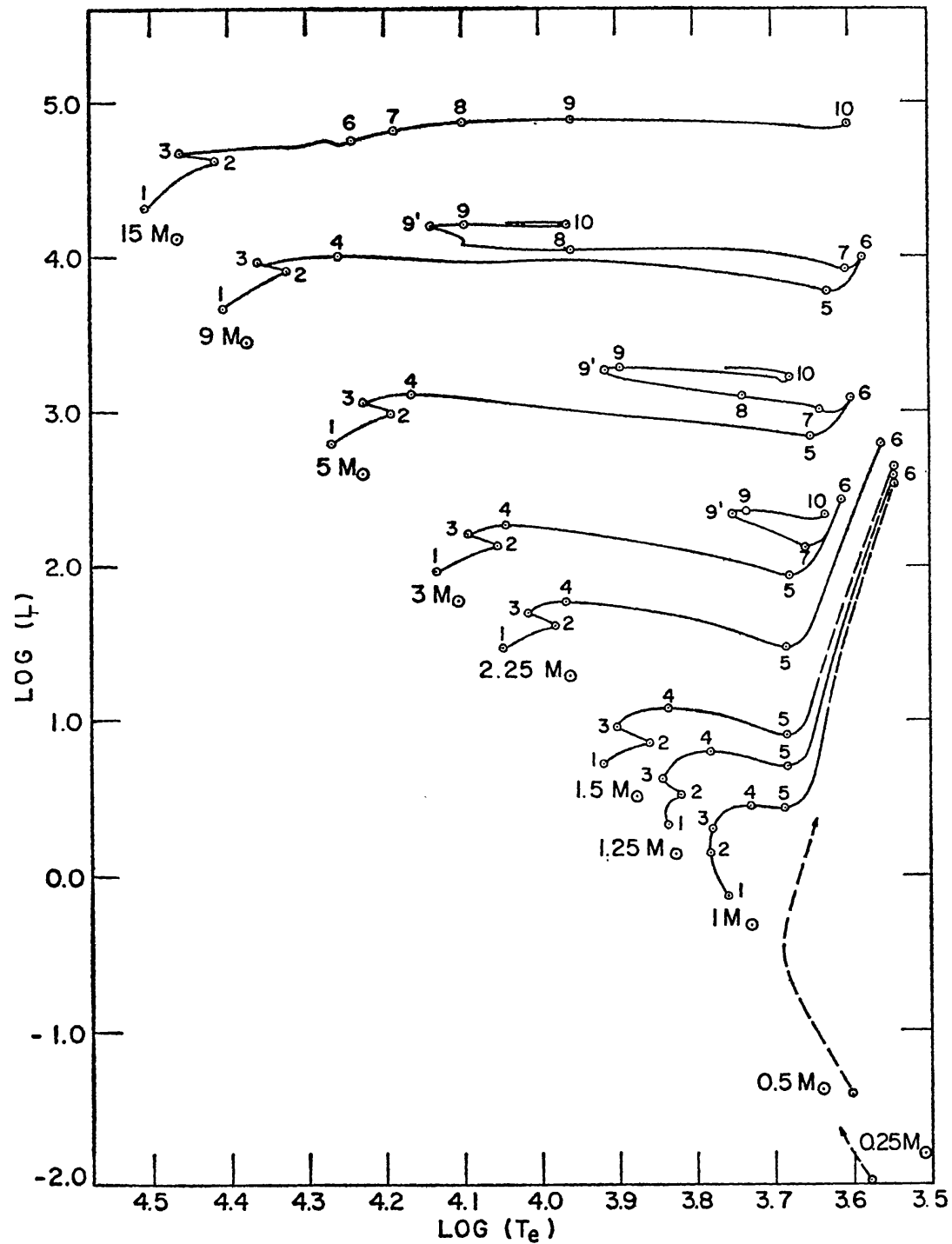


HR diagram of a typical globular cluster



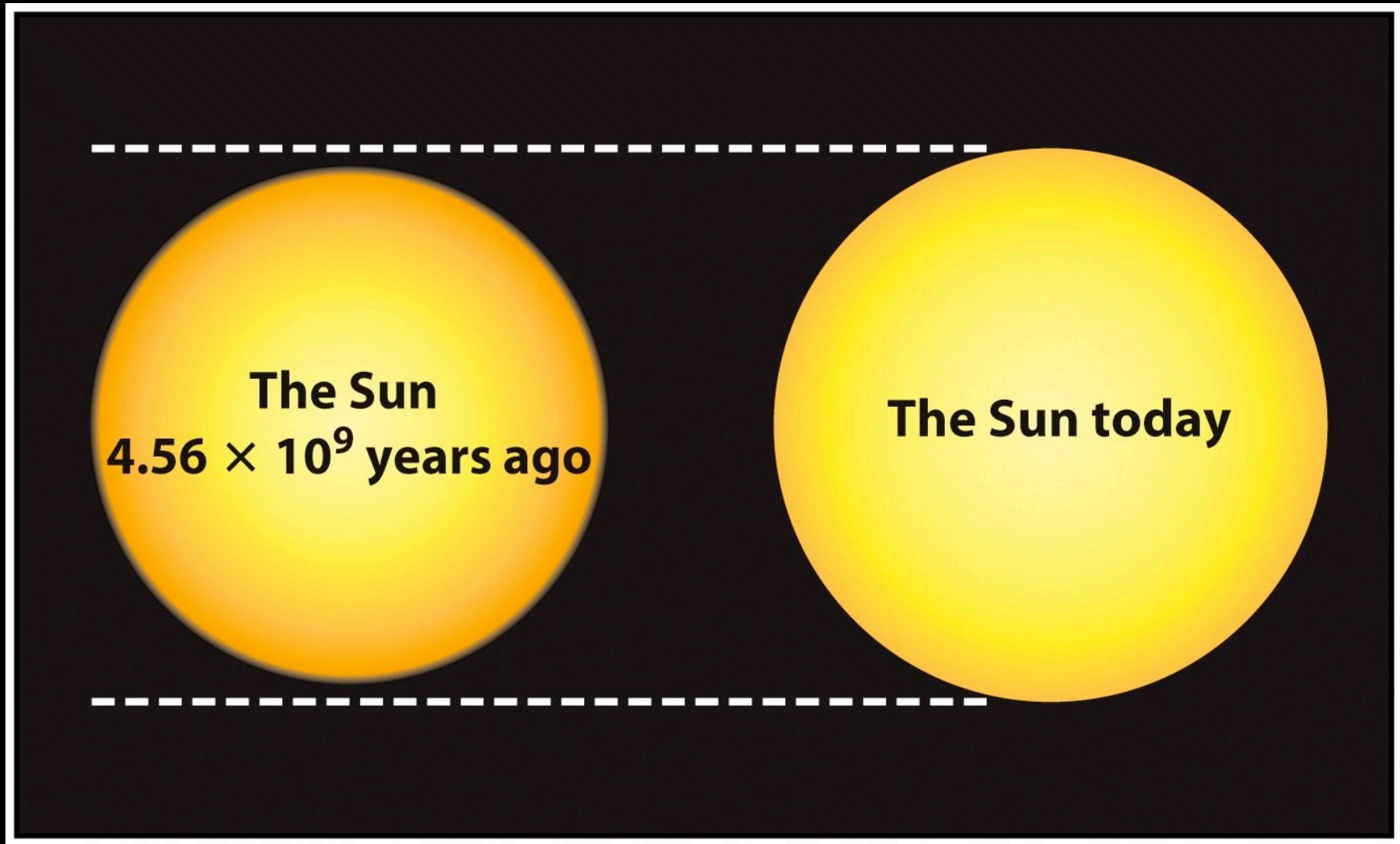




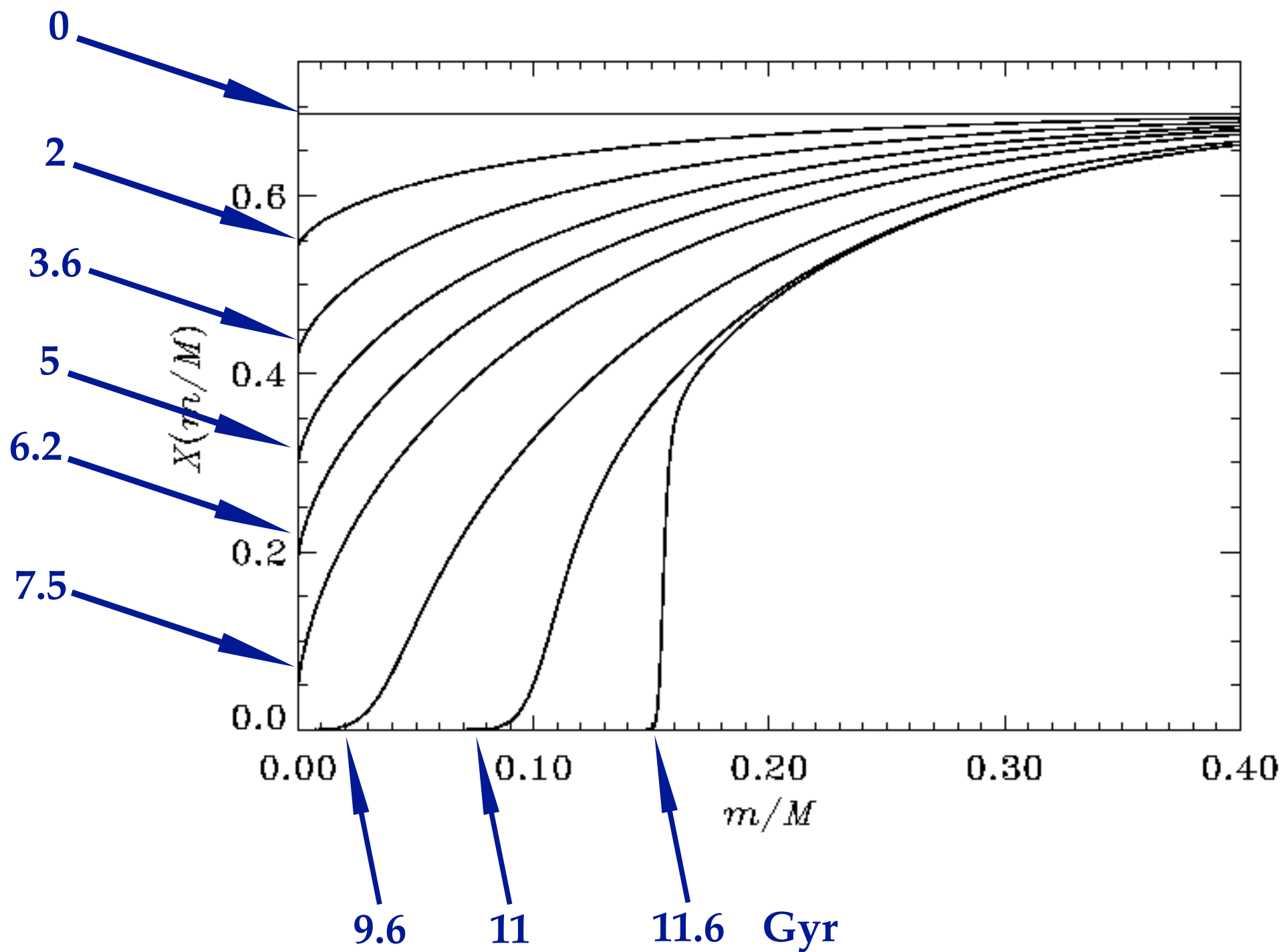


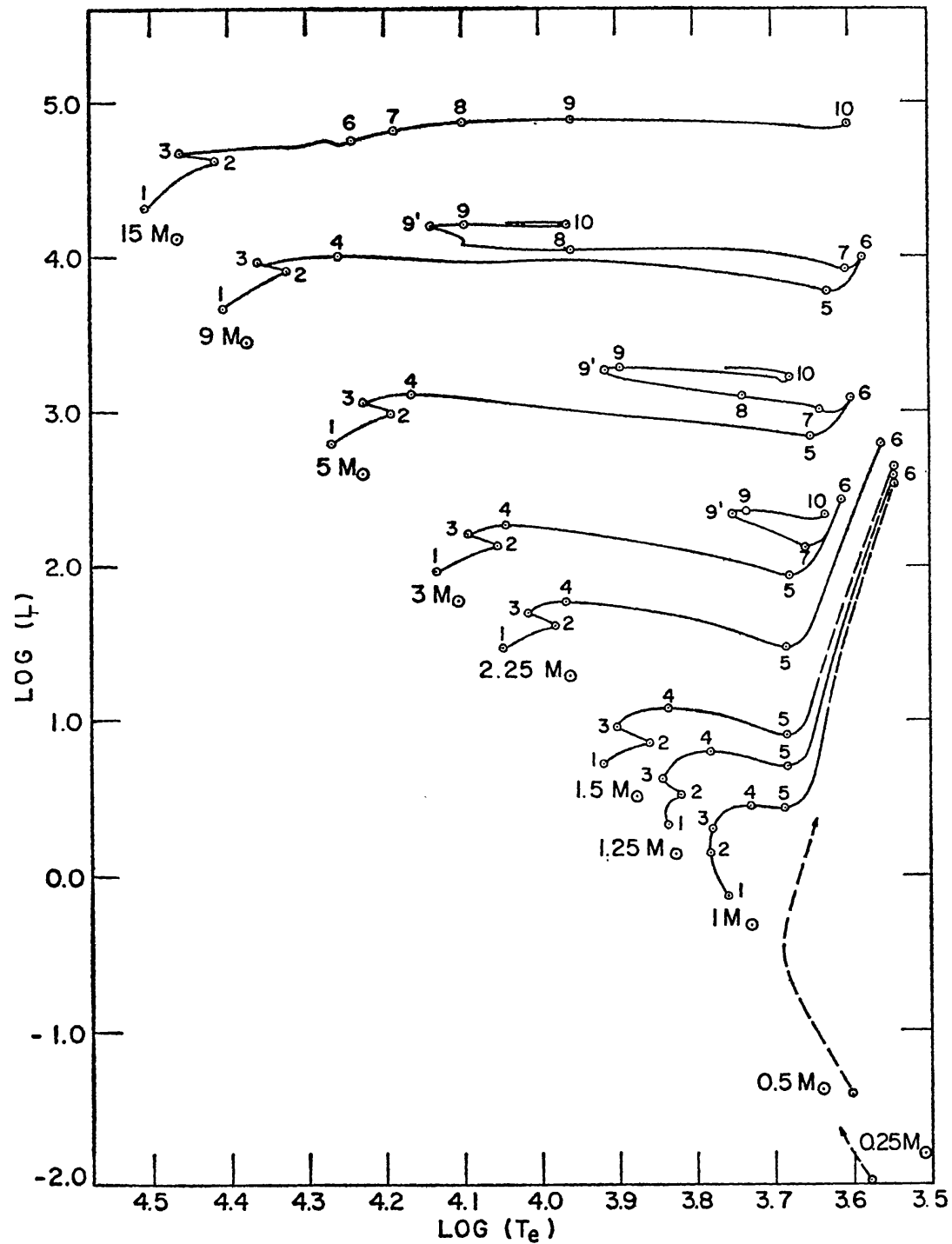
Iben 1967

Gradual change in size of Sun

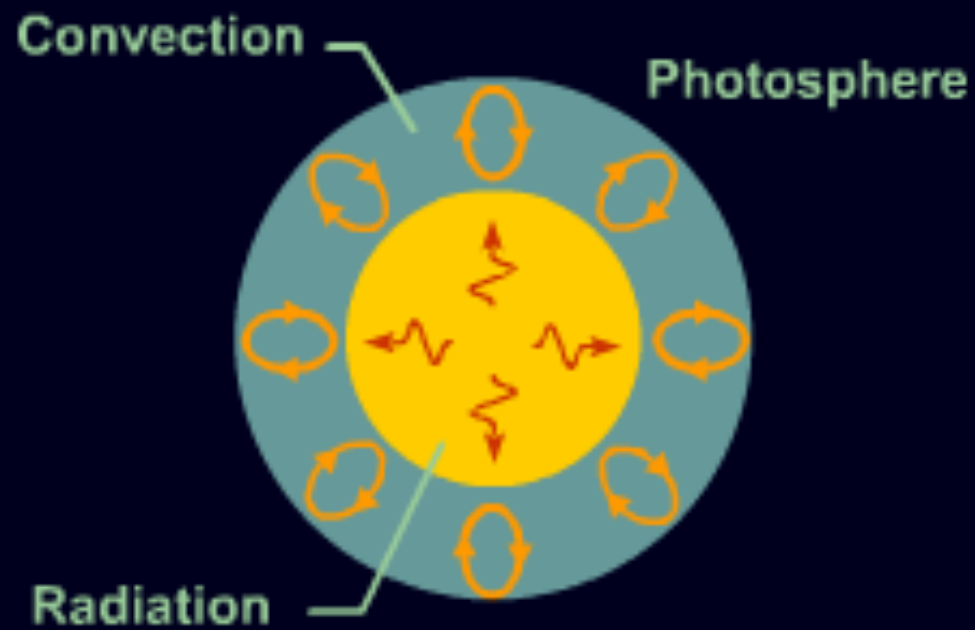


Now 40% brighter, 6% larger, 5% hotter



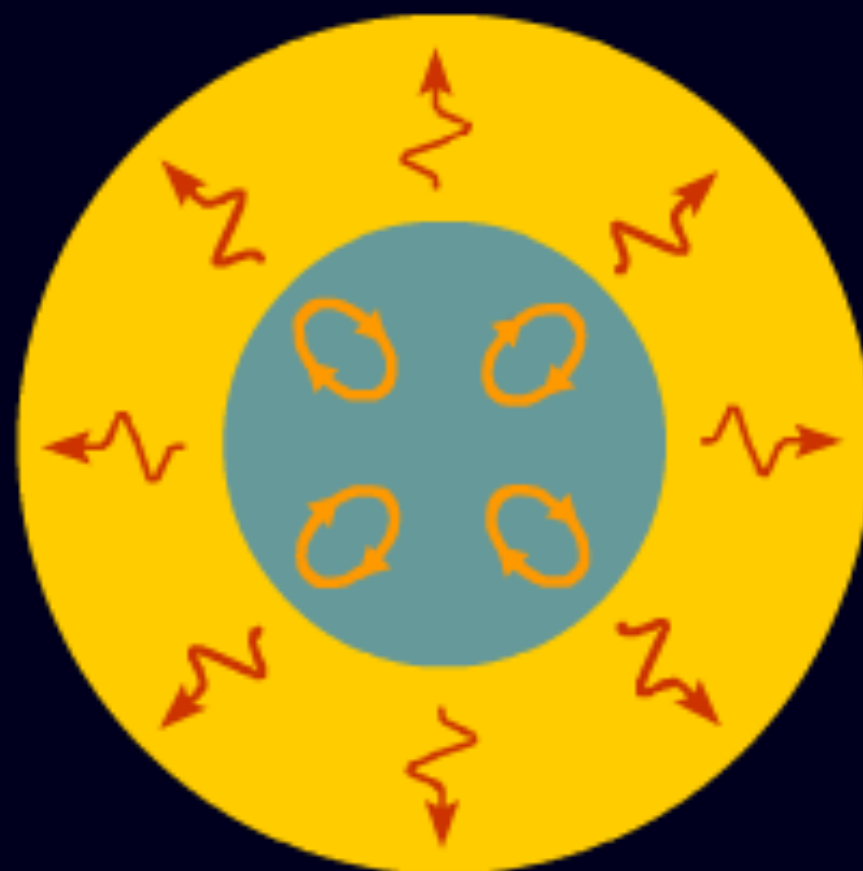


Iben 1967

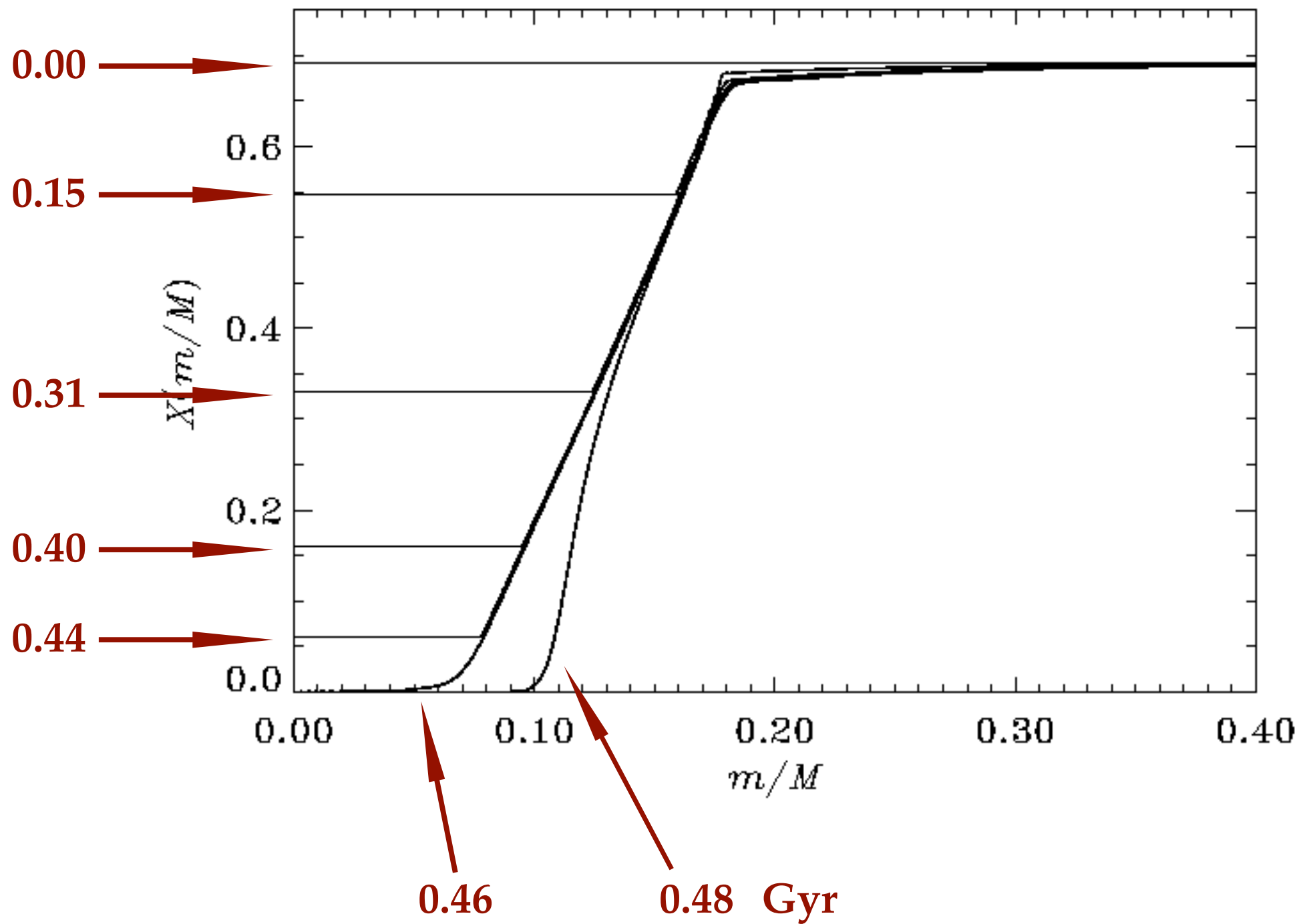


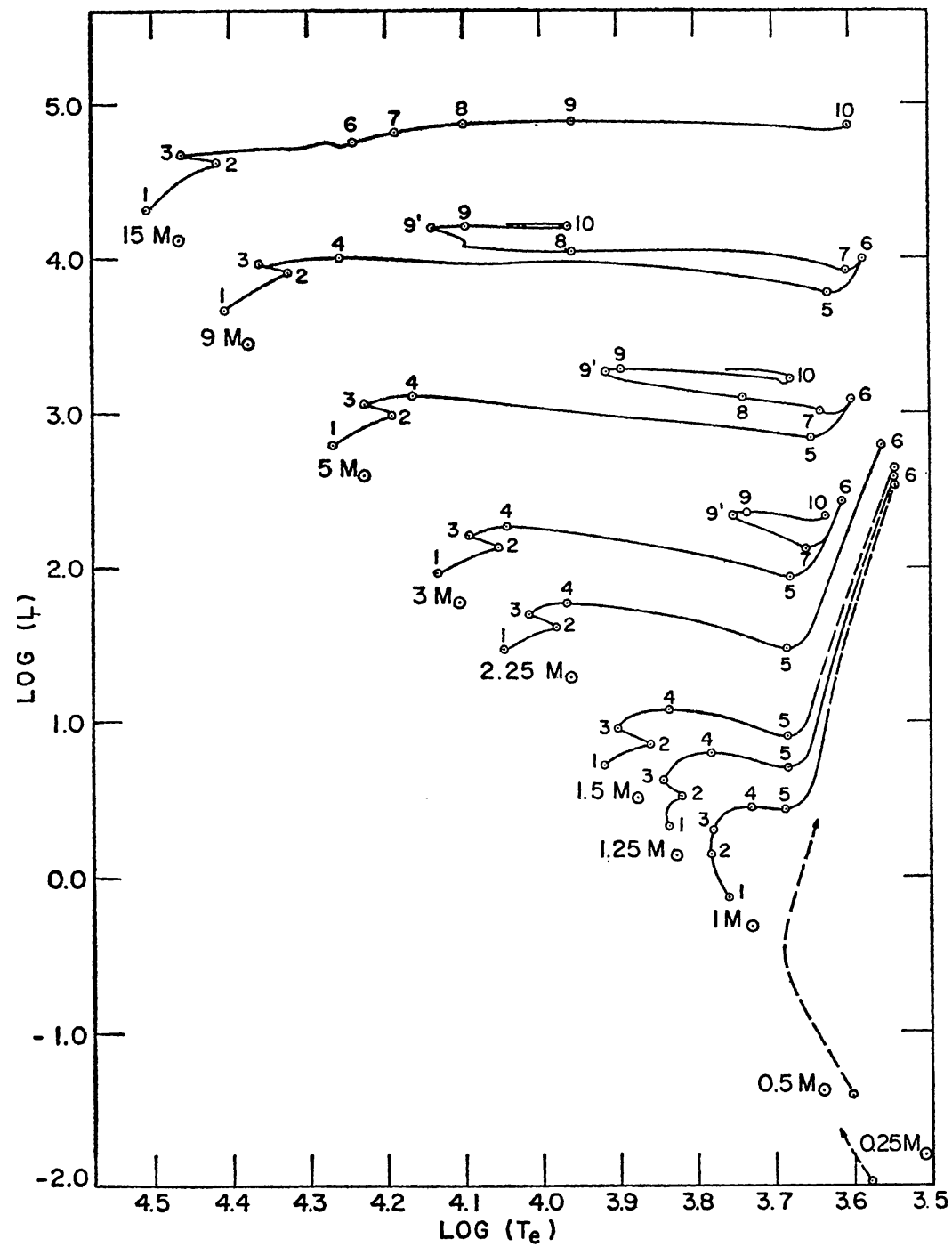
1 Solar Mass Star

0.1 Solar Mass Star

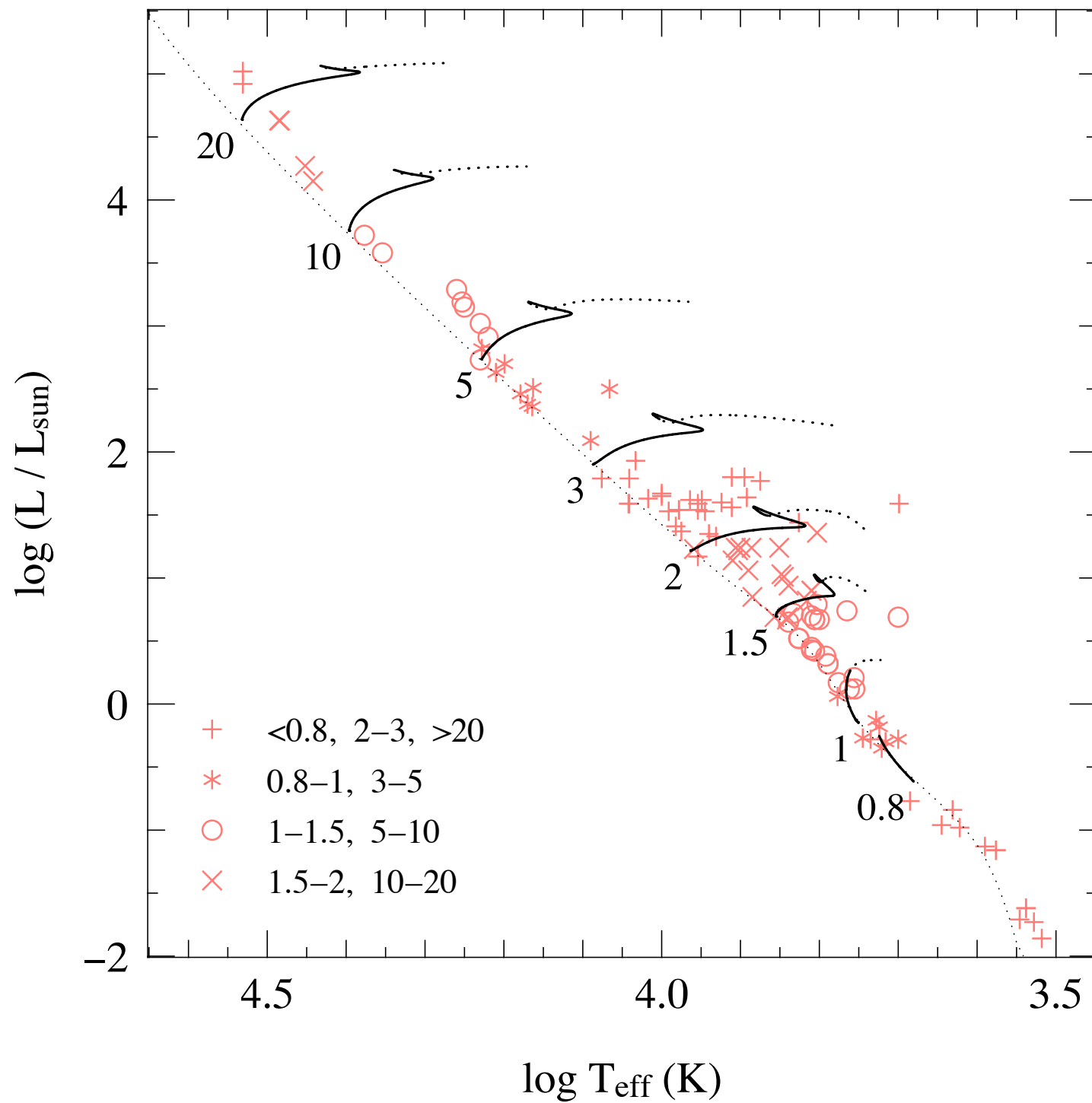


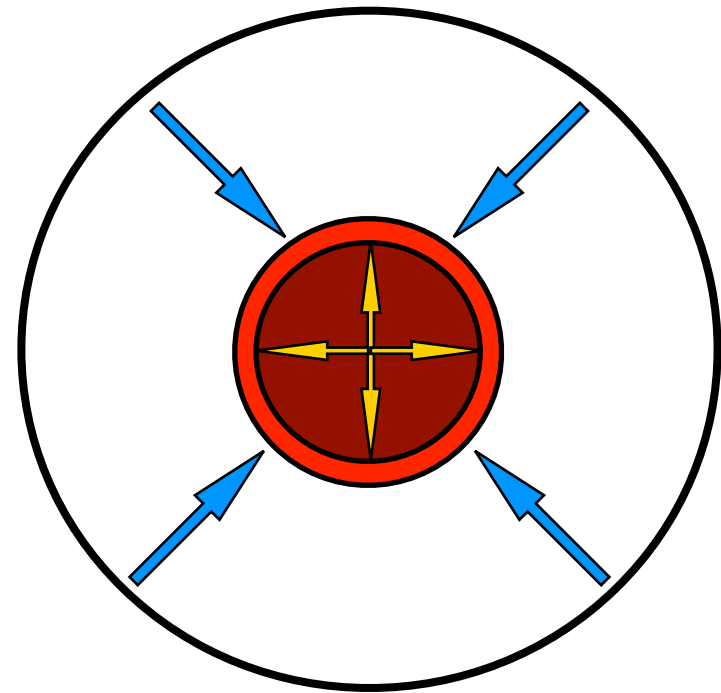
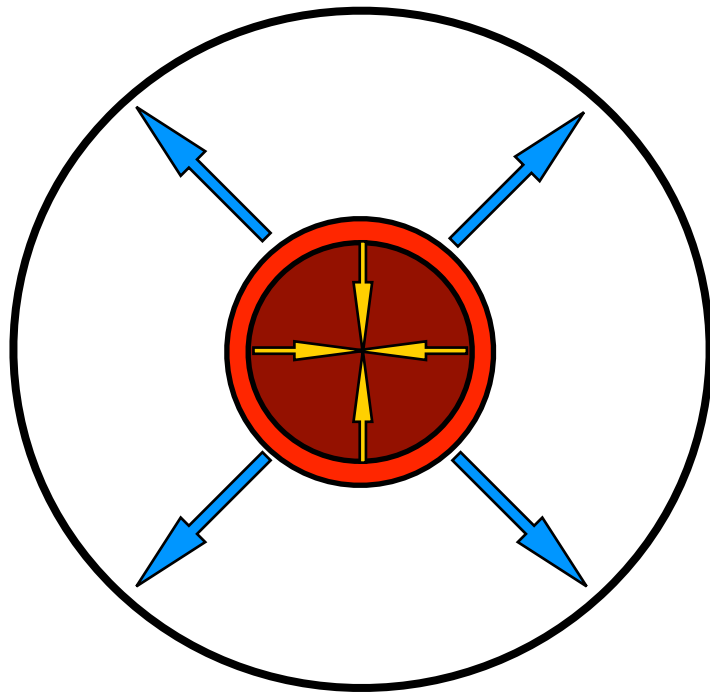
Massive Star



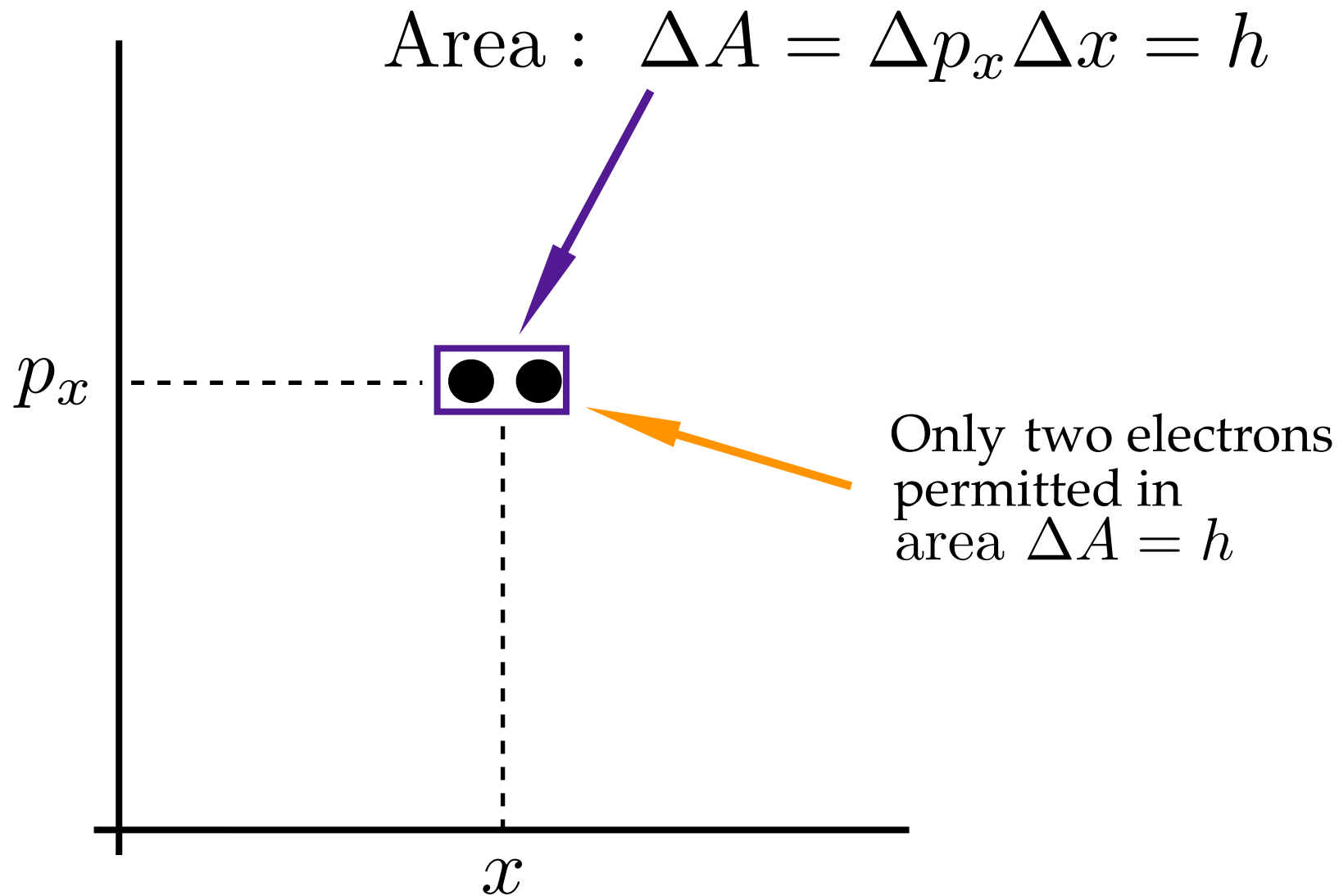


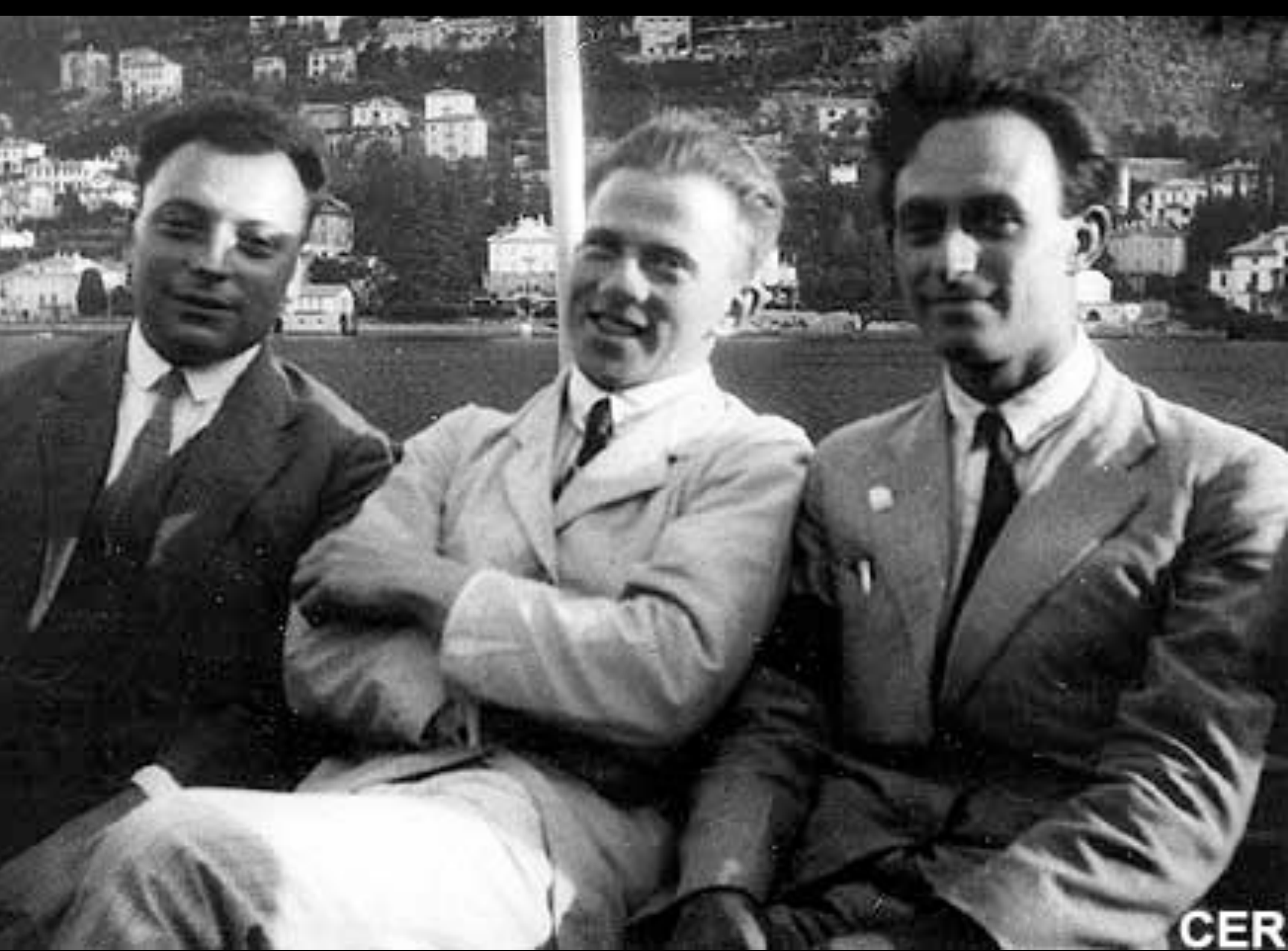
Iben 1967



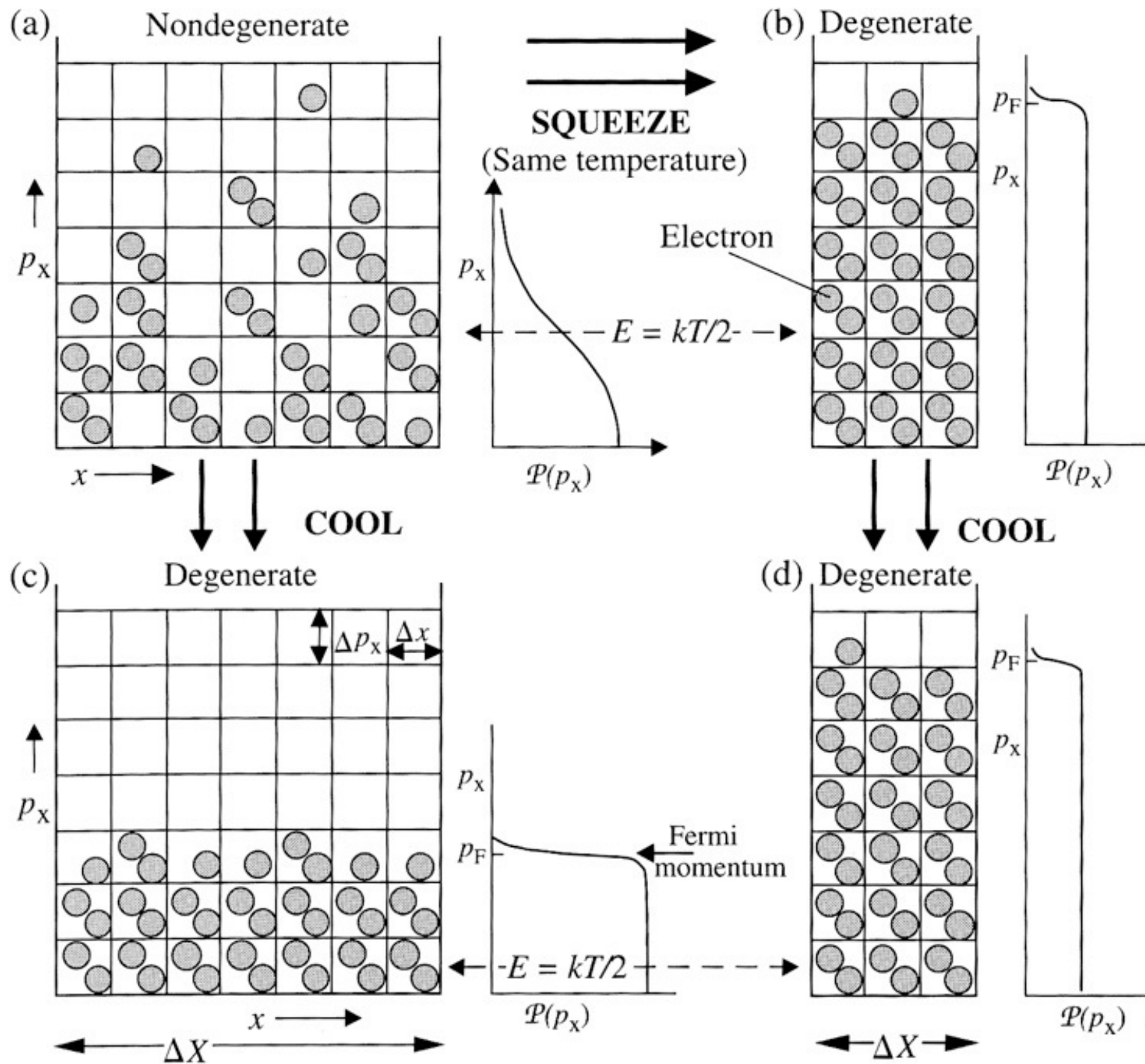


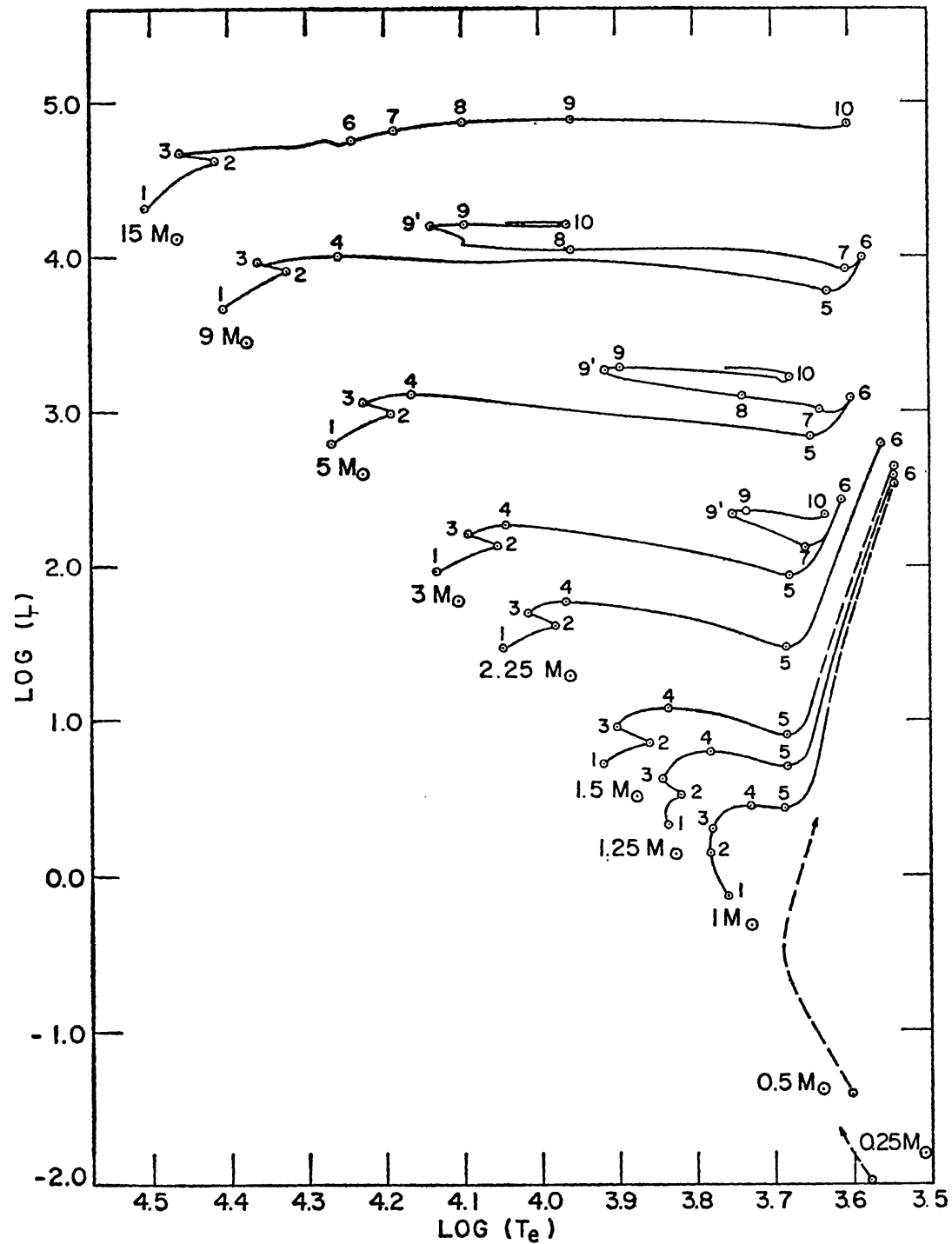
The Mirror Principle of Shell-Burning Stars



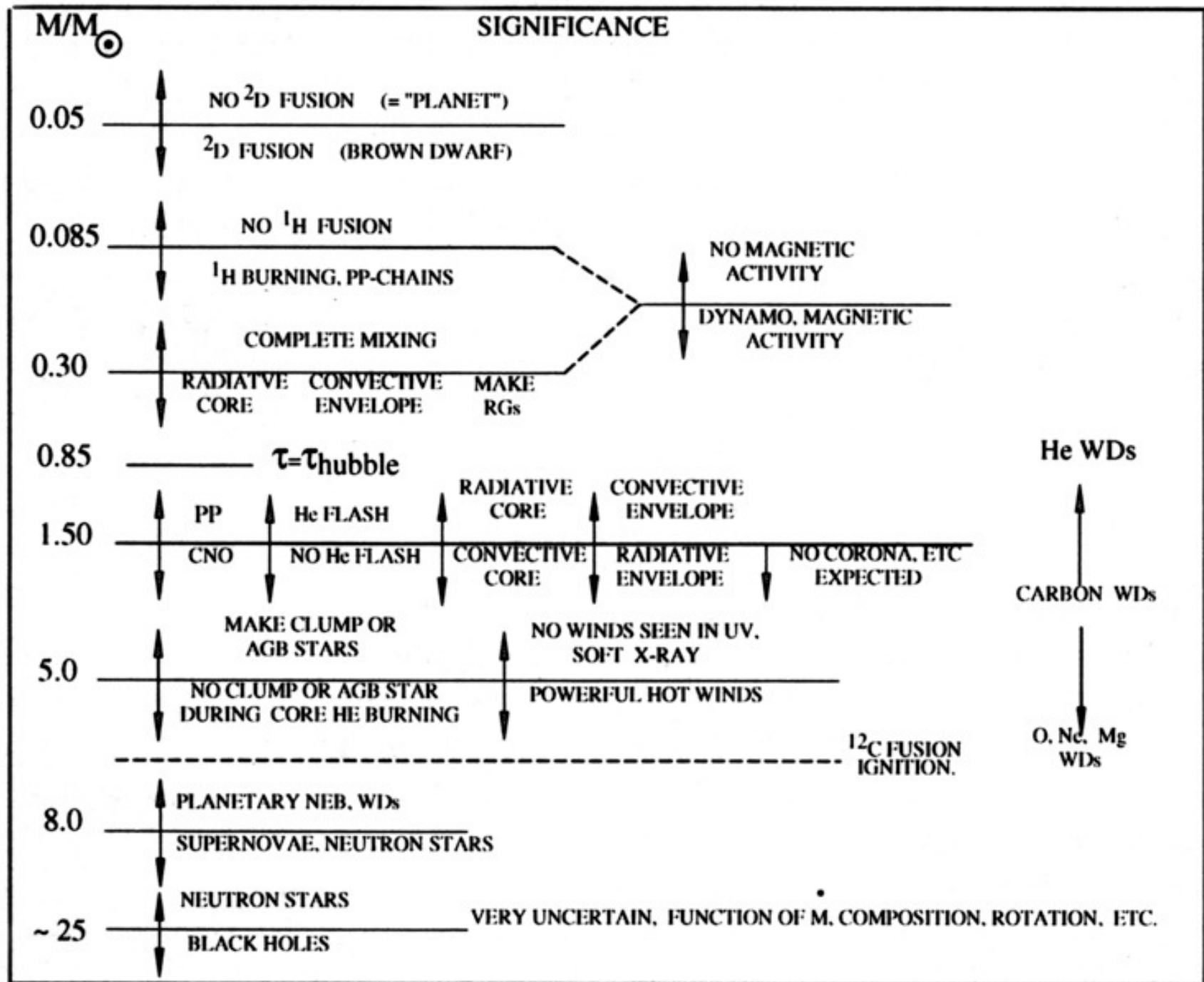


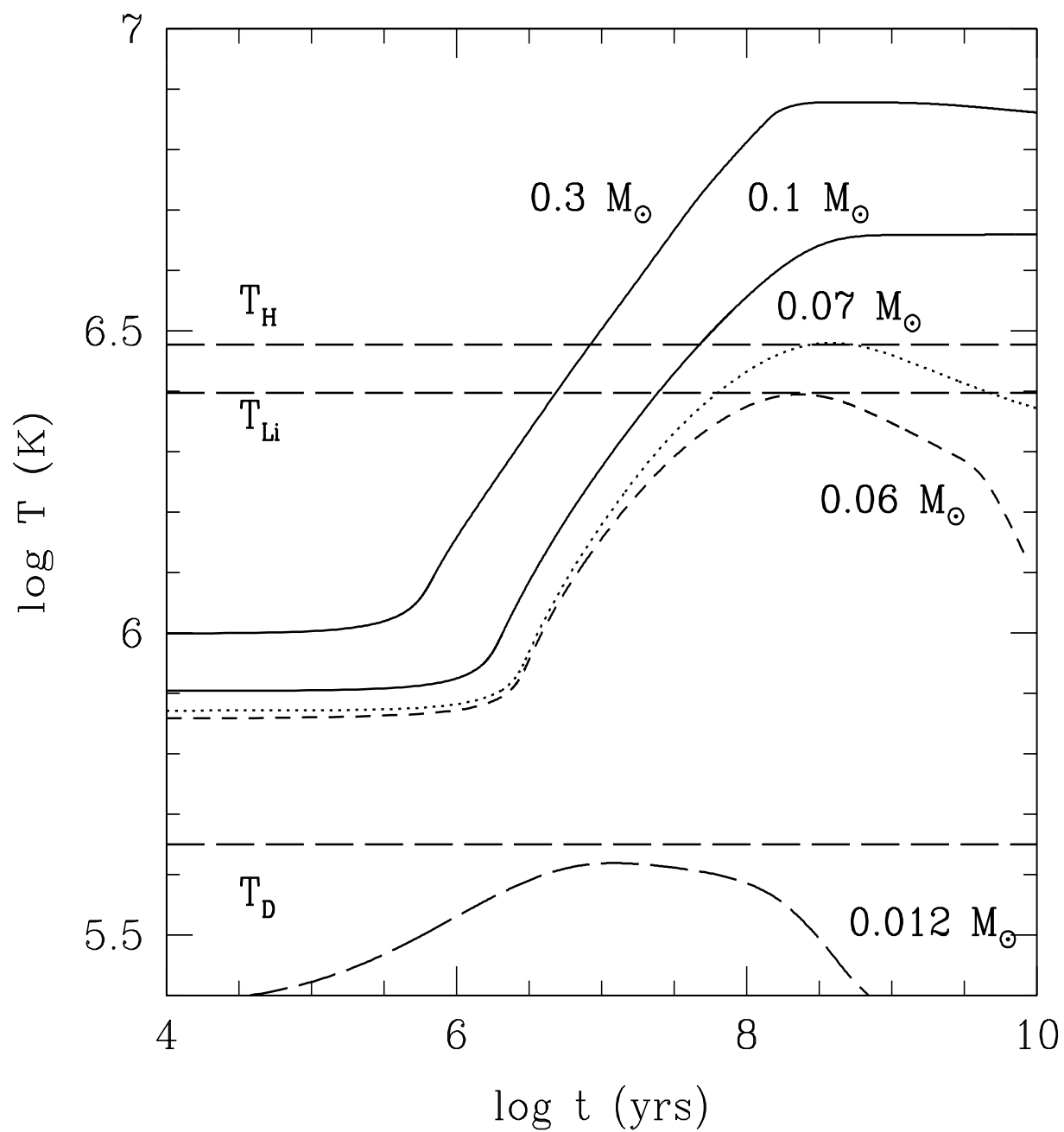
CER





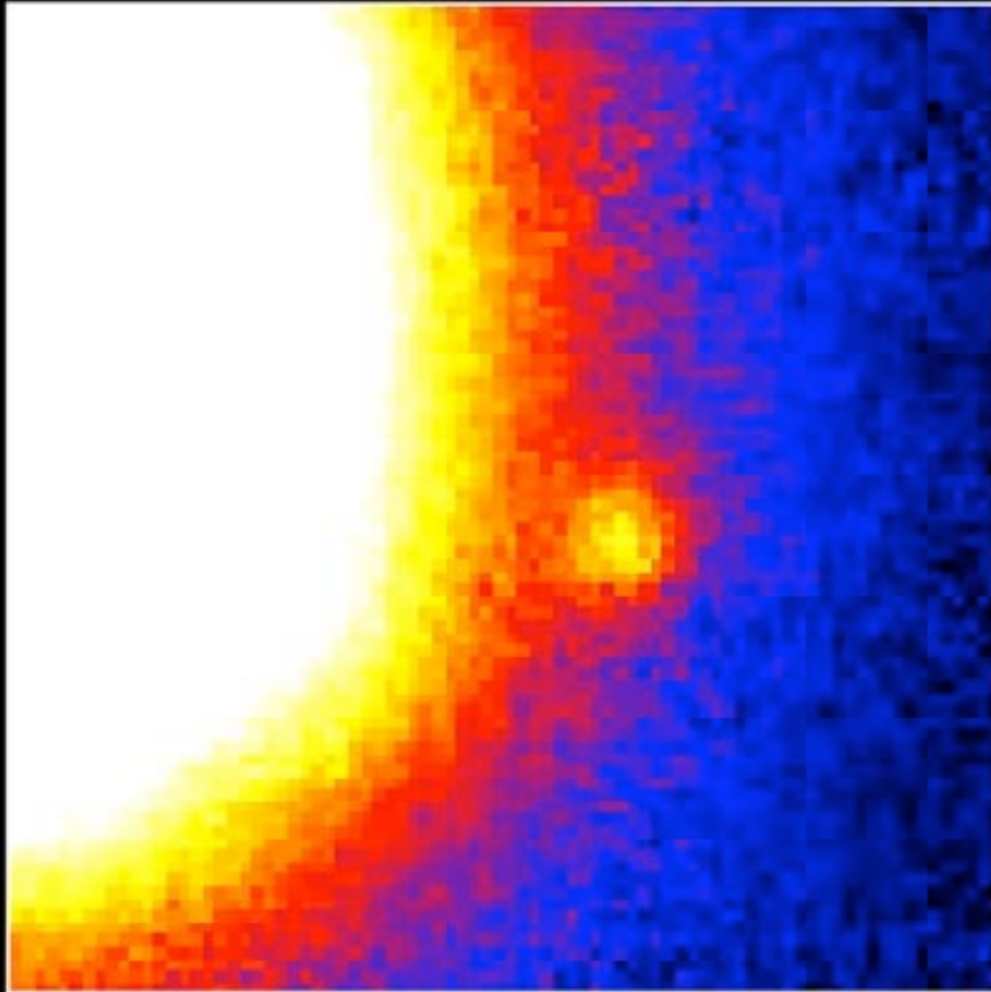
Iben 1967





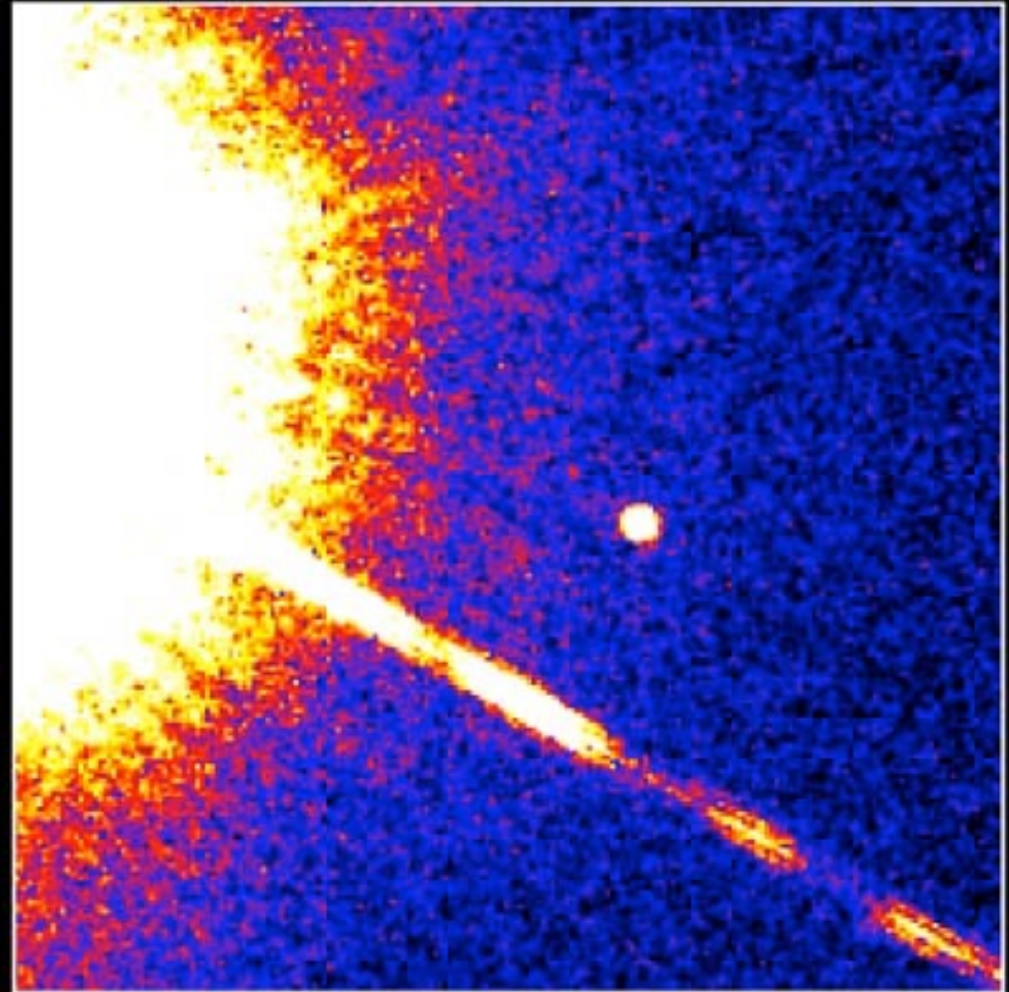
Chabrier & Baraffe 2000

Brown Dwarf Gliese 229B



Palomar Observatory

Discovery Image
October 27, 1994



Hubble Space Telescope

Wide Field Planetary Camera 2
November 17, 1995

PRC95-48 • ST ScI OPO • November 29, 1995

T. Nakajima and S. Kulkarni (CalTech), S. Durrance and D. Golimowski (JHU), NASA





