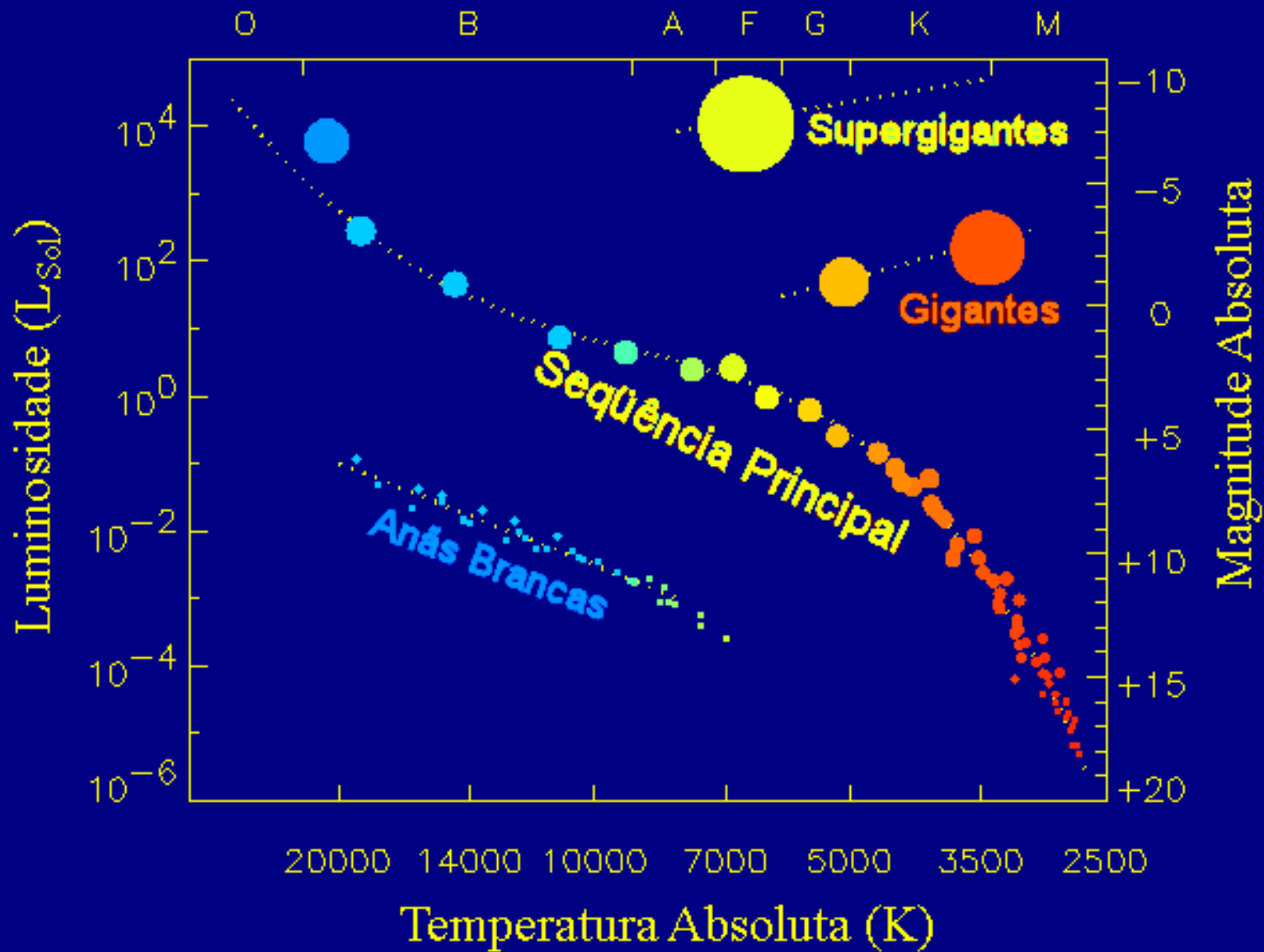


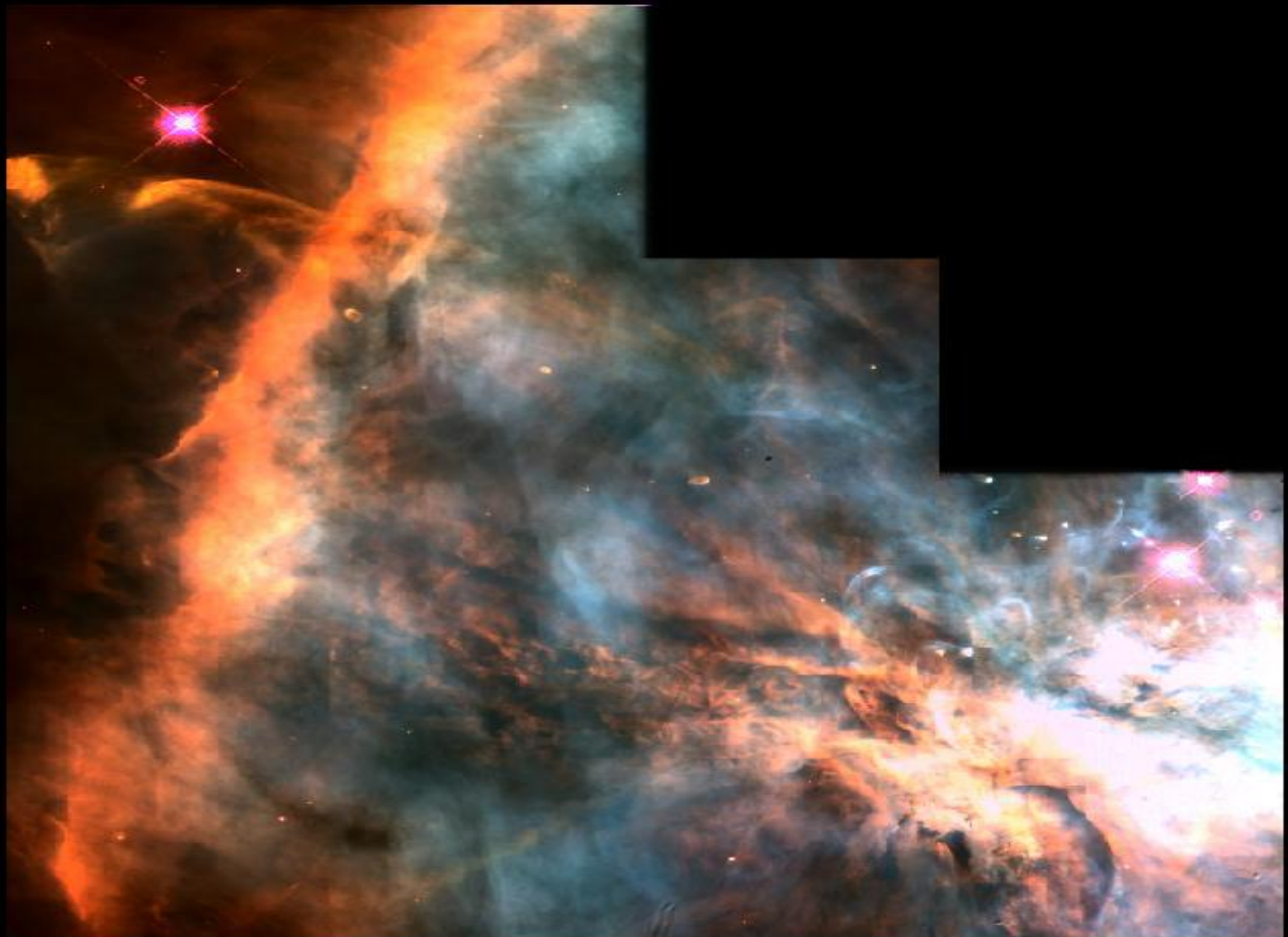
**AGA-0100**

**3.4 Nascimento, vida e morte das estrelas**

# Classe Espectral





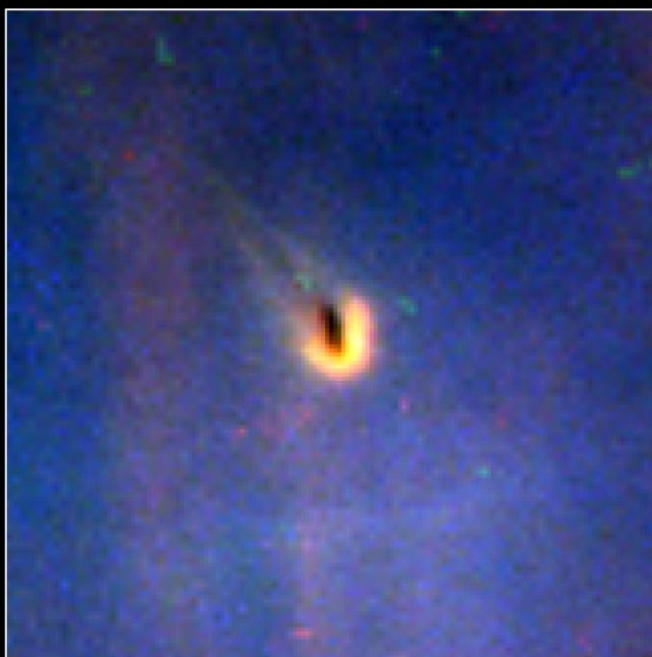


## Hubble Space Telescope Wide Field Planetary Camera 2

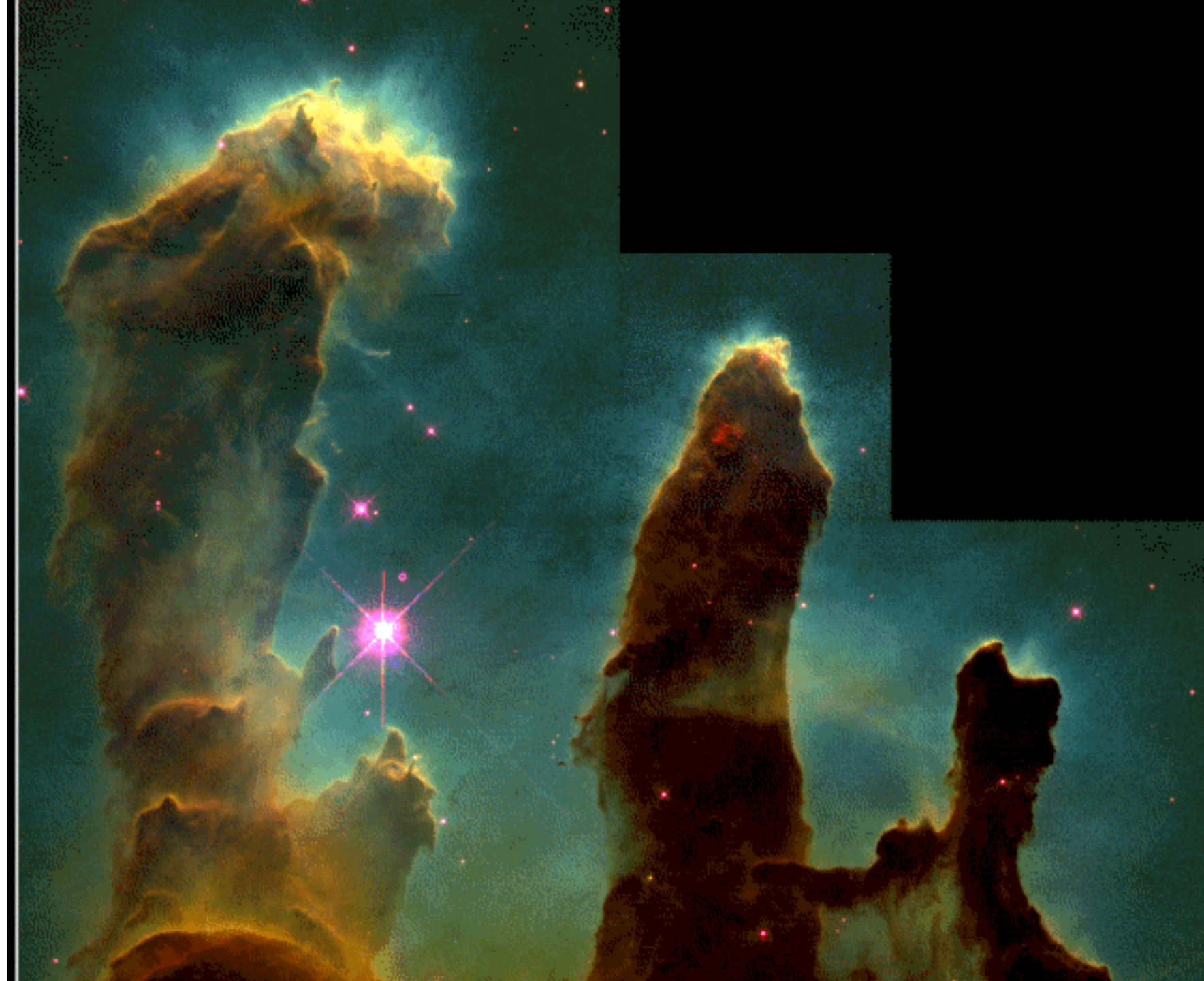


SPACE  
TELESCOPE  
SCIENCE



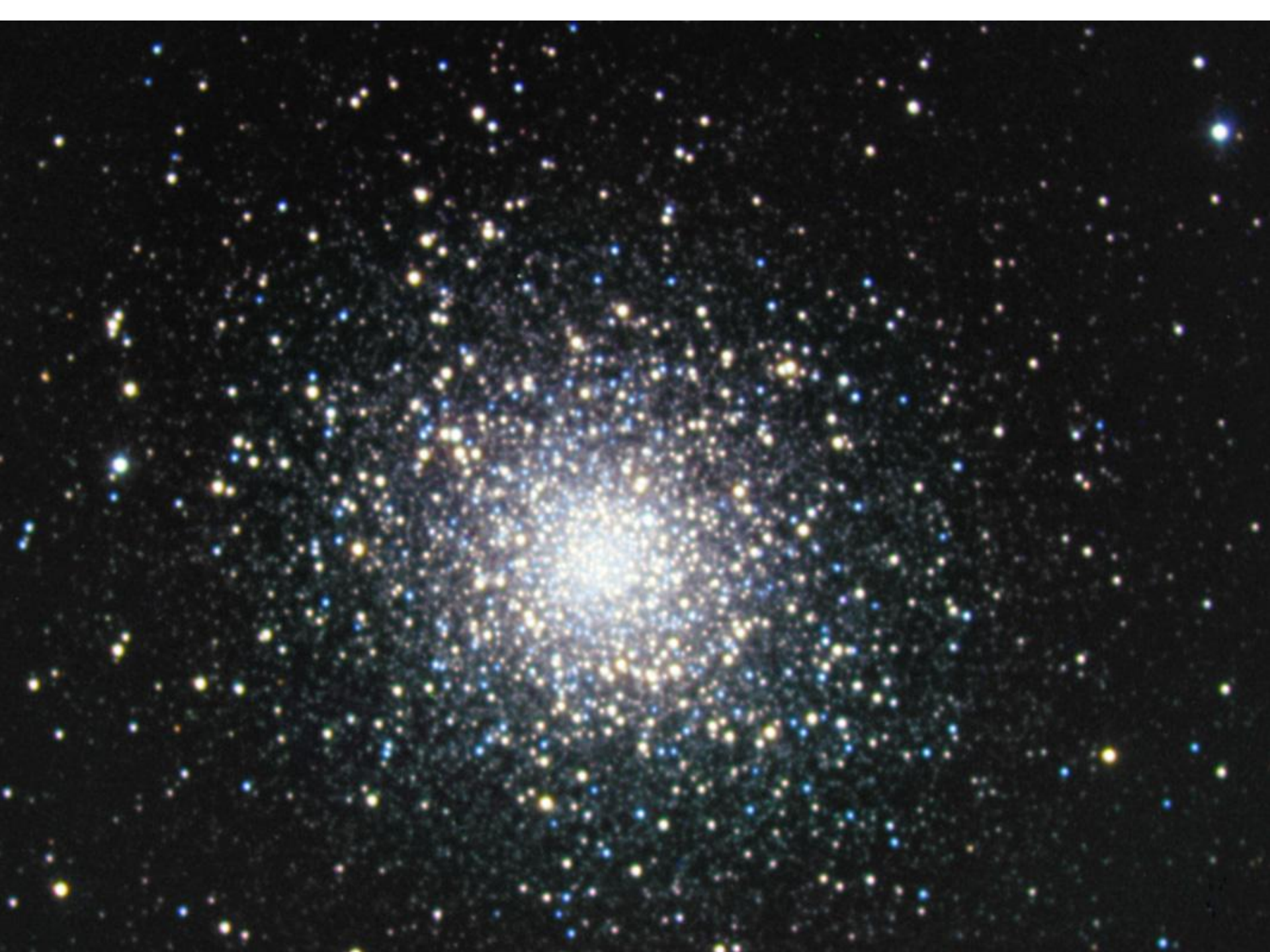


**Protoplanetary Disks in the Orion Nebula**  
Hubble Space Telescope • WFPC2



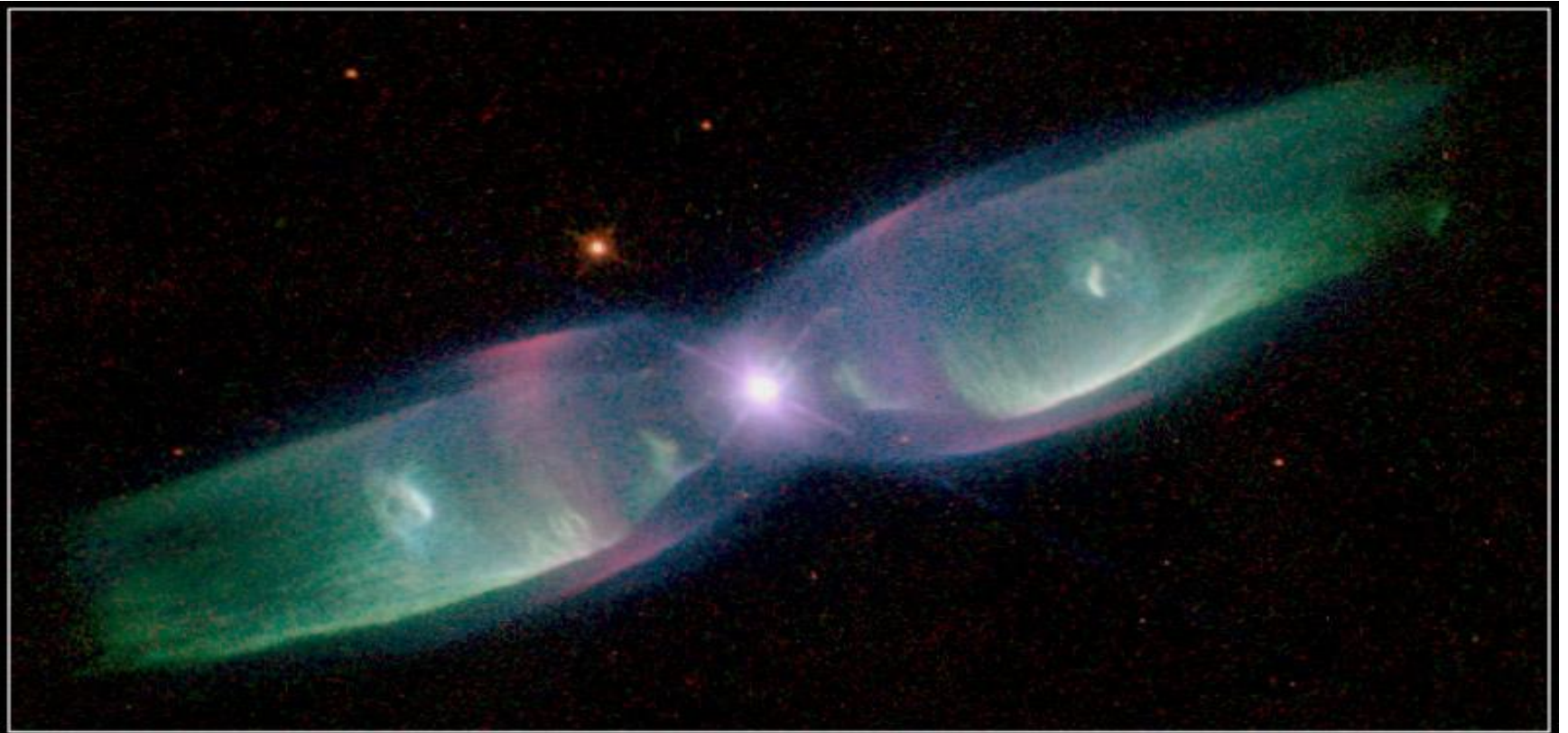








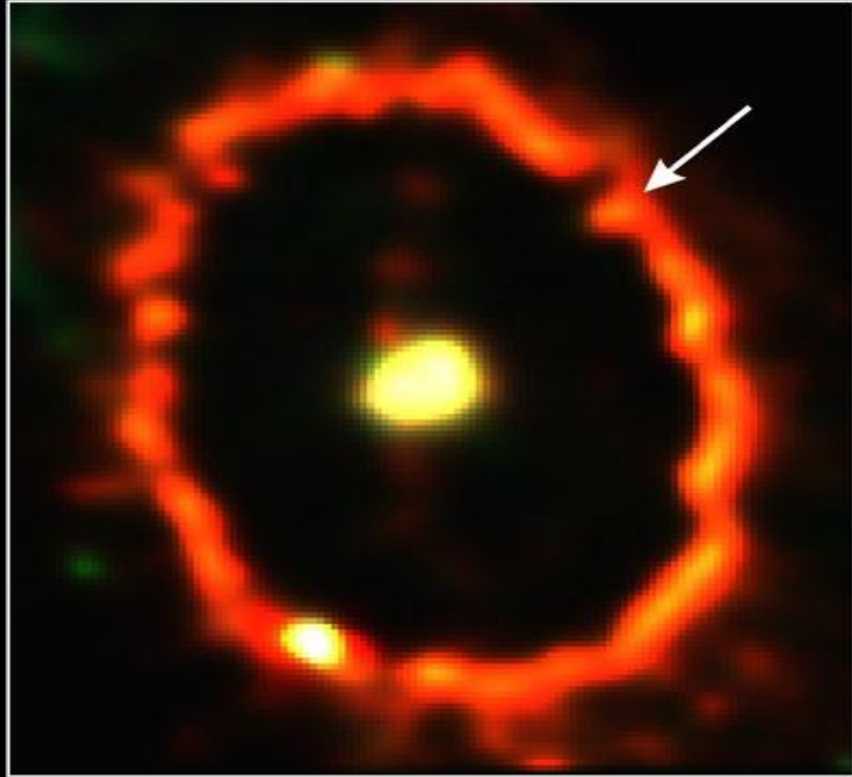




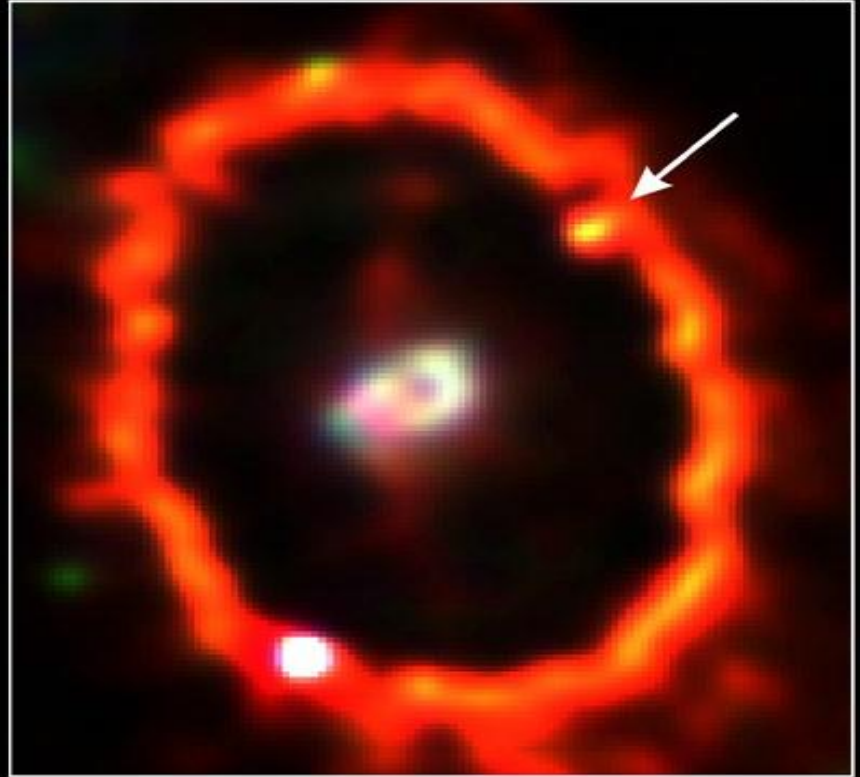
Planetary Nebula M2-9  
PRC97-38a • ST ScI OPO • December 17, 1997  
B. Balick (University of Washington) and NASA

HST • WFPC2

1994



1997



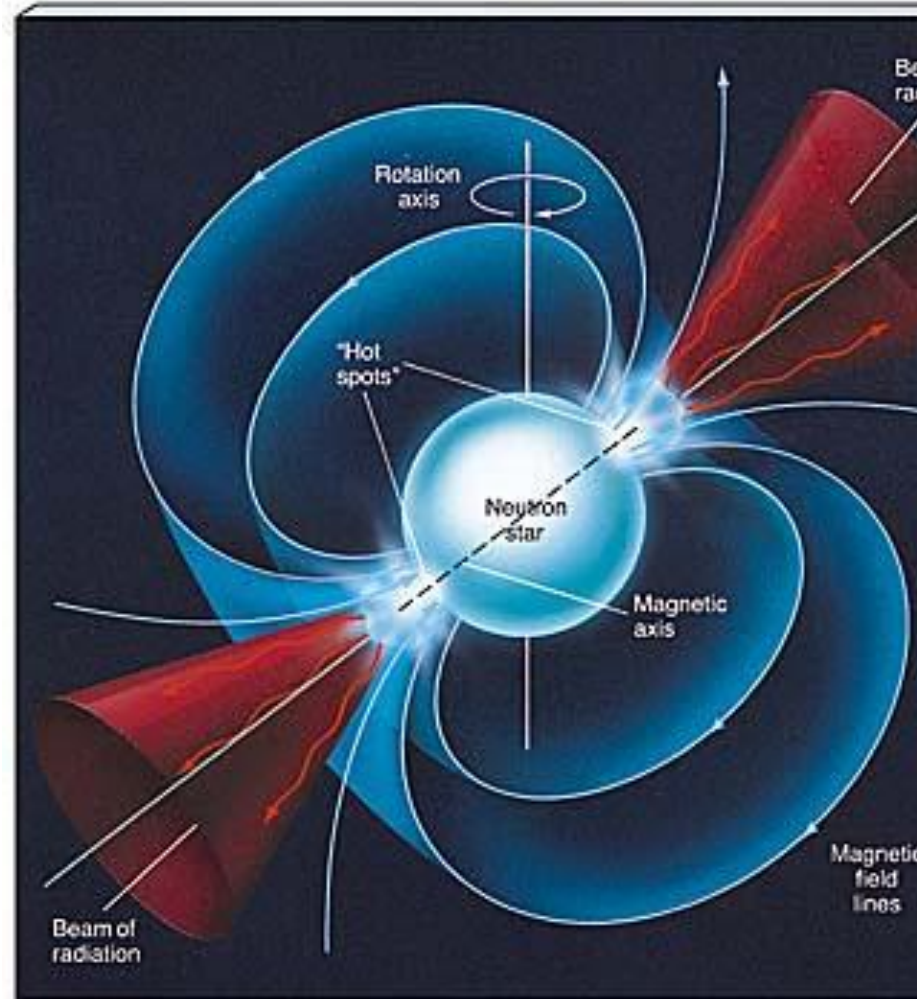
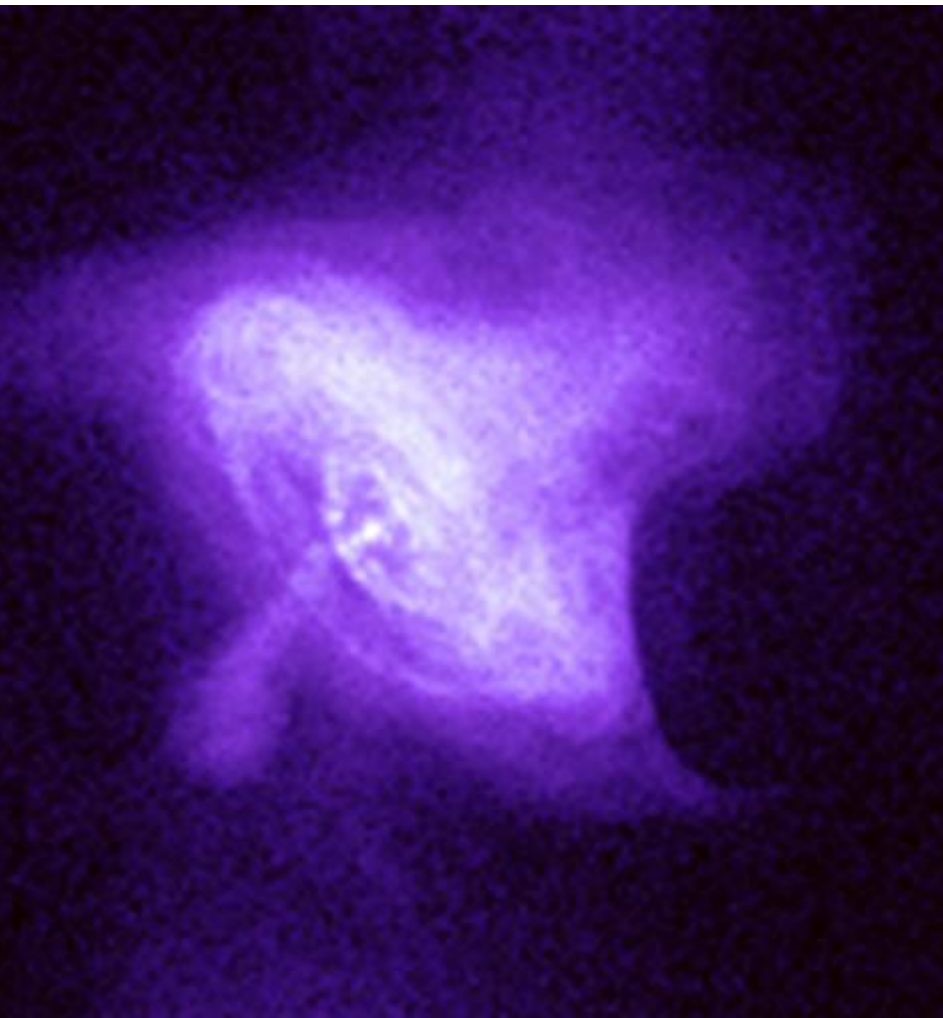
**Bright Knot in Supernova 1987A Ring**

PRC98-08b • February 10, 1998 • ST ScI OPO

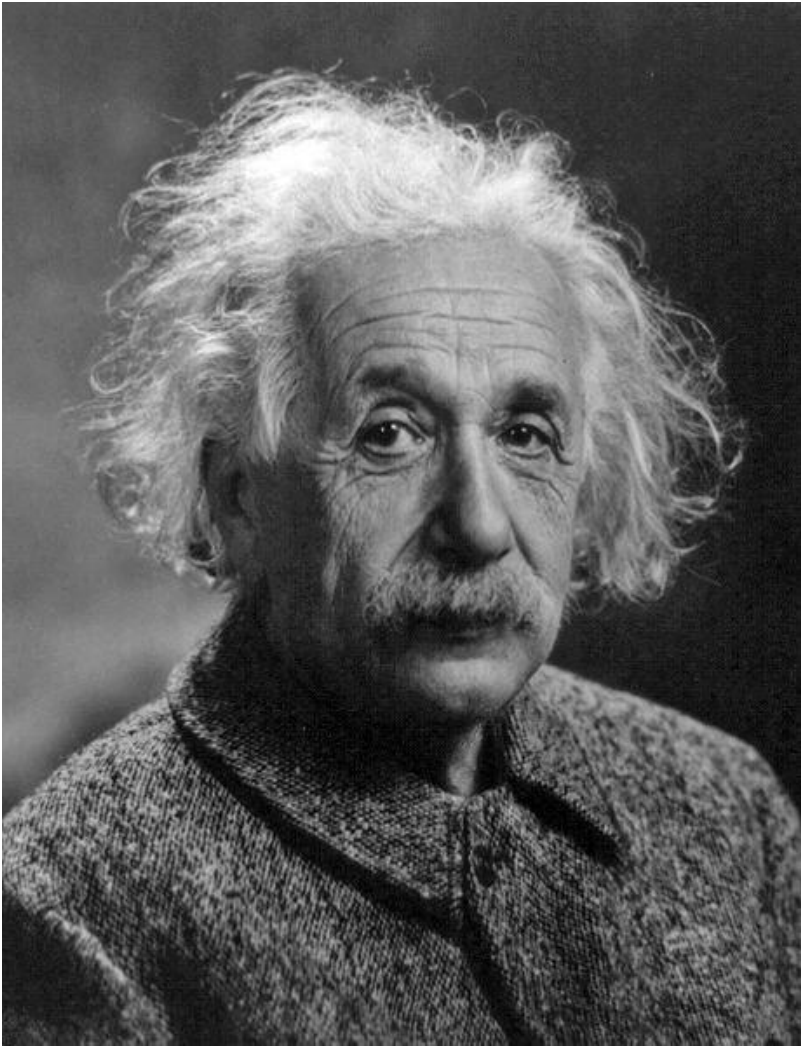
P. Garnavich (Harvard-Smithsonian Center for Astrophysics) and NASA

HST • WFPC2

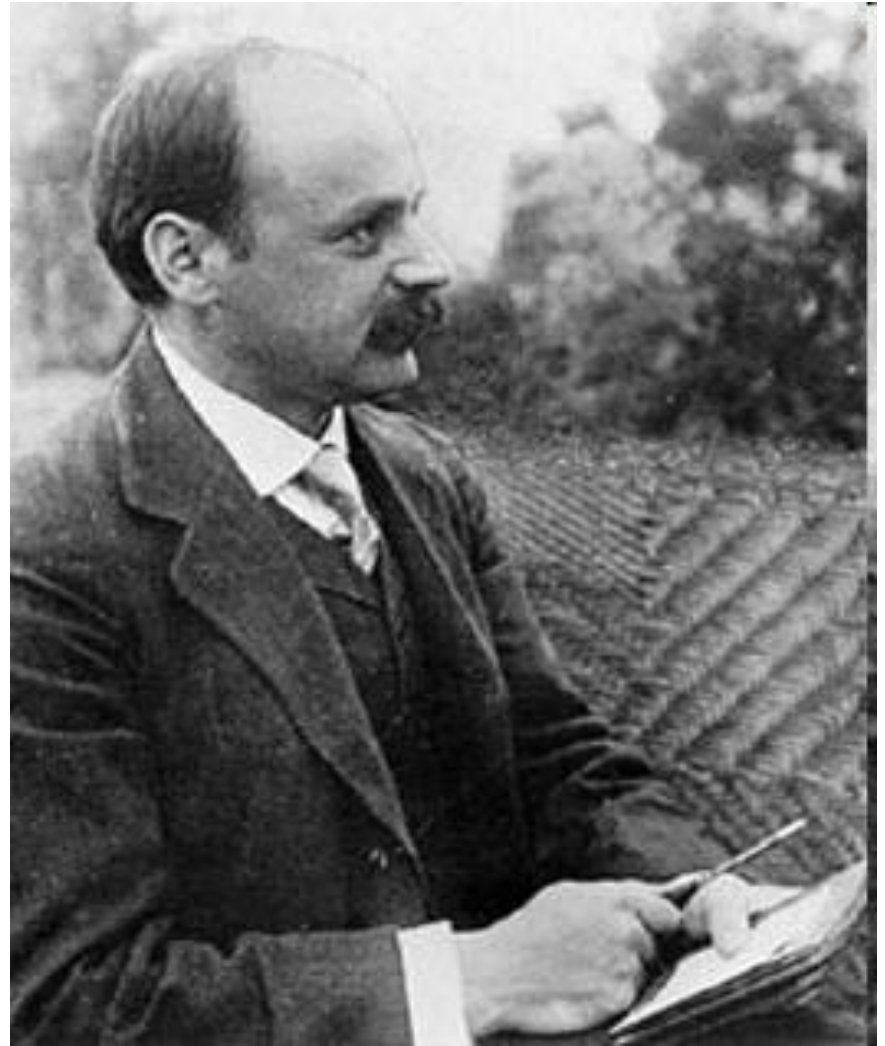




Albert Einstein (1879-1955)

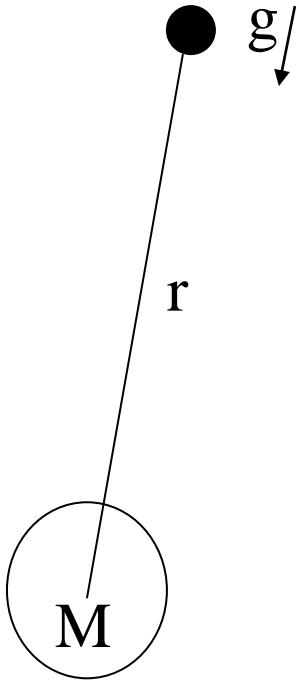


Karl Schwarzschild (1873-1916)



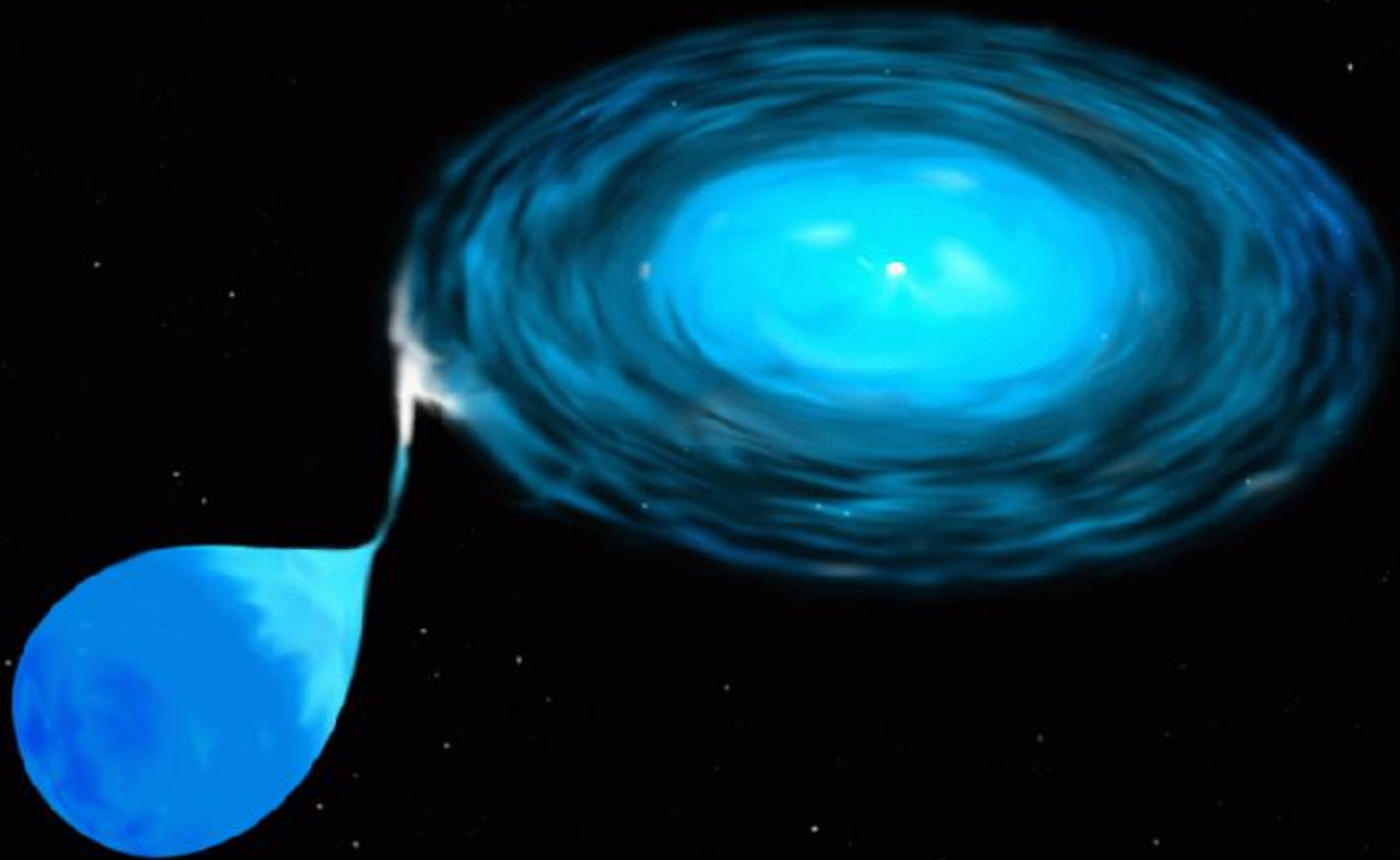


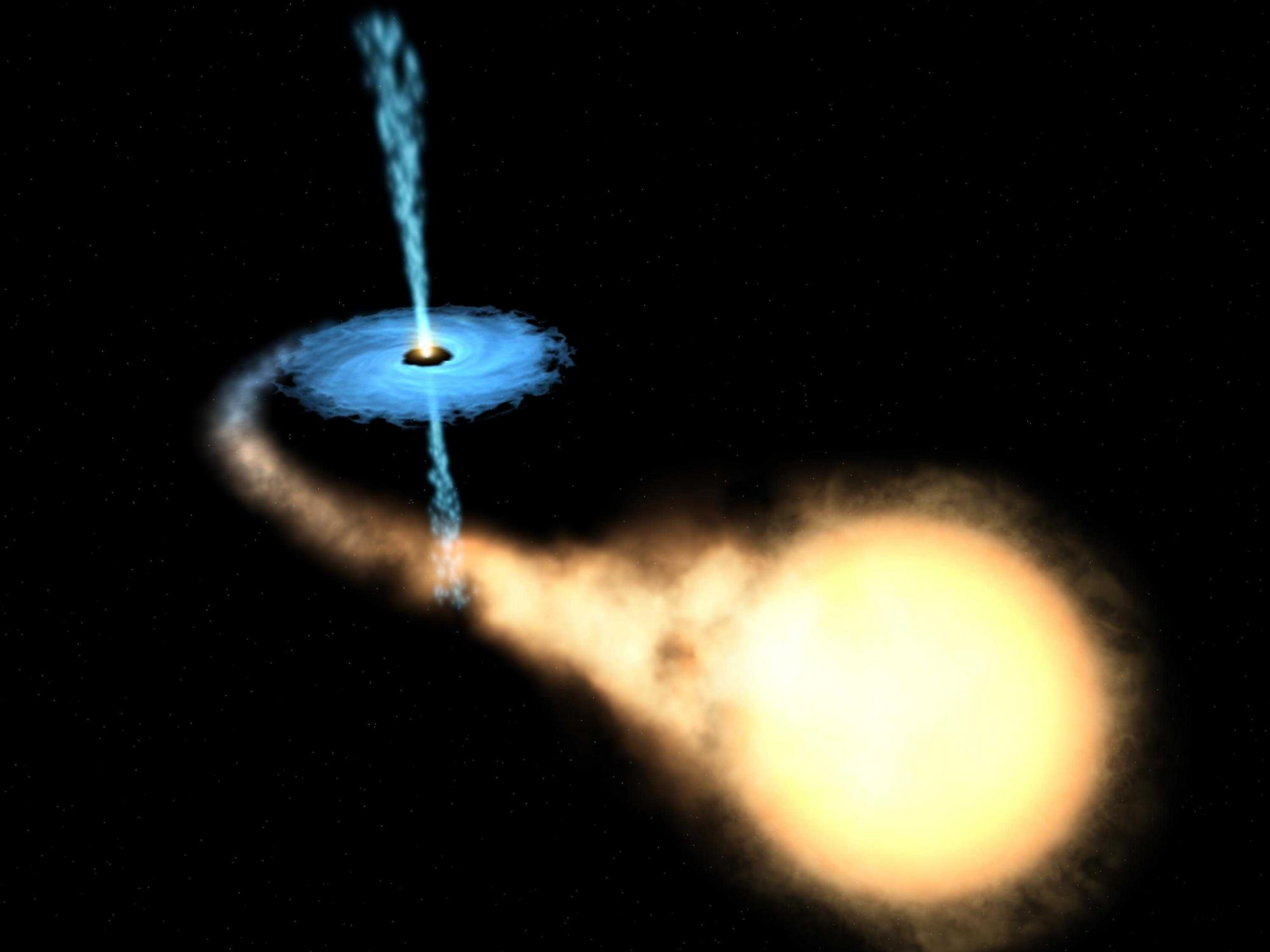
# O raio de Schwarzschild



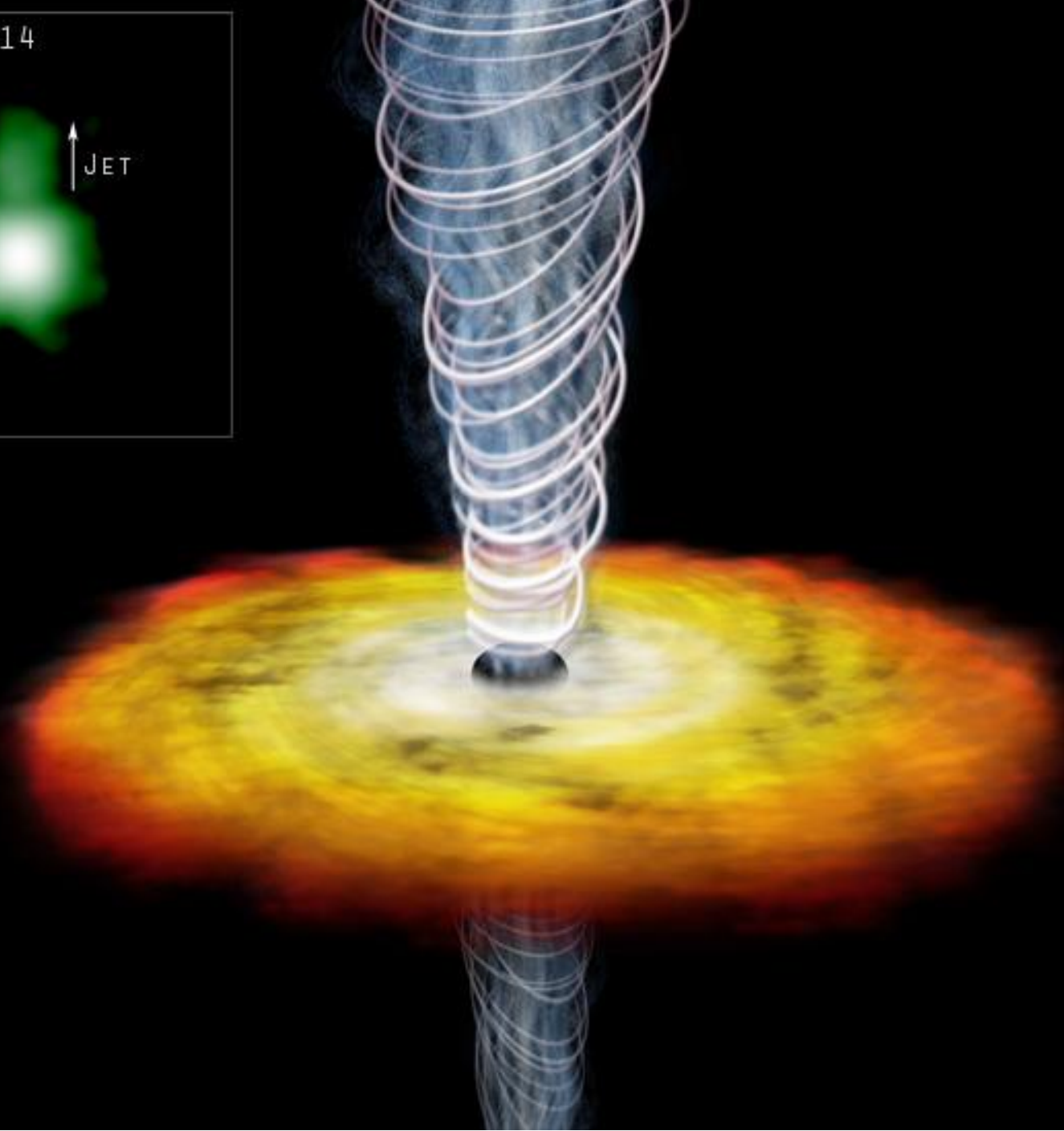
$$g \left( \left. \right| \right) = \frac{GM}{r^2} \frac{1}{\sqrt{1 - \frac{2GM}{rc^2}}}$$

$$\text{Se } \frac{2GM}{rc^2} = 1 \quad , \quad r_S = \frac{2GM}{c^2}$$





GB1508+5714



# Supernovas tipo Ia e II

