



ASTR/PHYS 5590: High Energy Astrophysics



Week 8 & 9

HW06 due on Thursday NEXT WEEK

Midterm this Thursday!

HW solutions for sets 1-5 are posted online

White Dwarfs (Ch. 13.2) & Neutron Stars (Ch. 13.5)

EoS Temp.-Density for Degenerate Matter

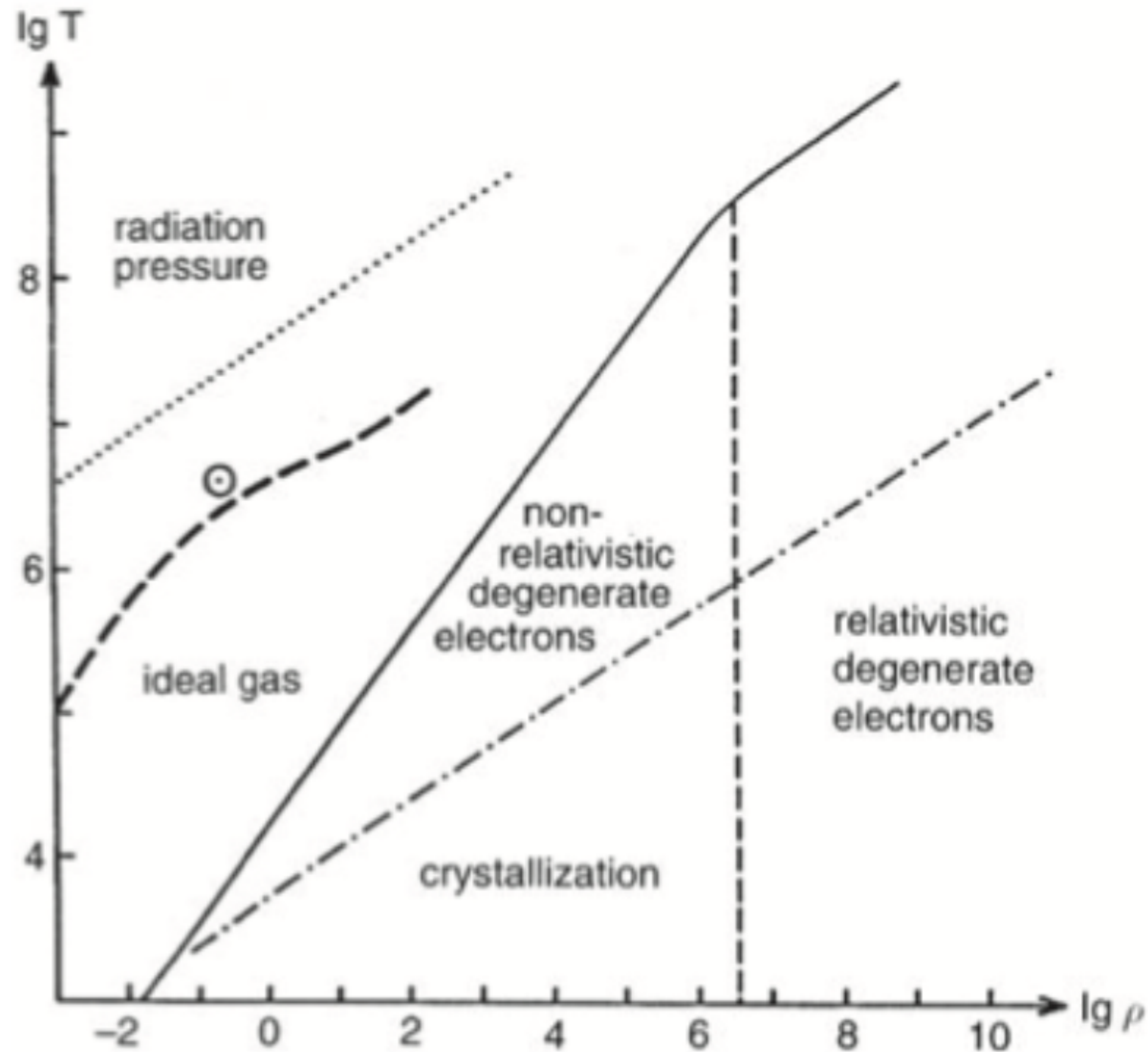
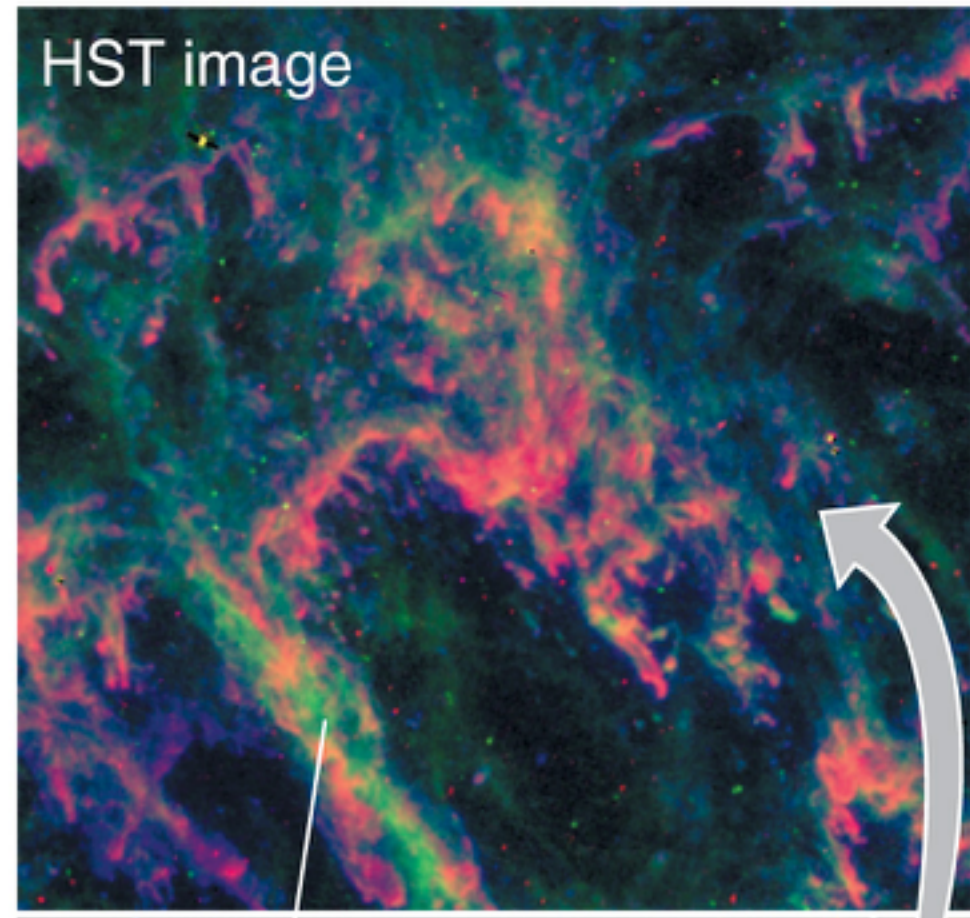




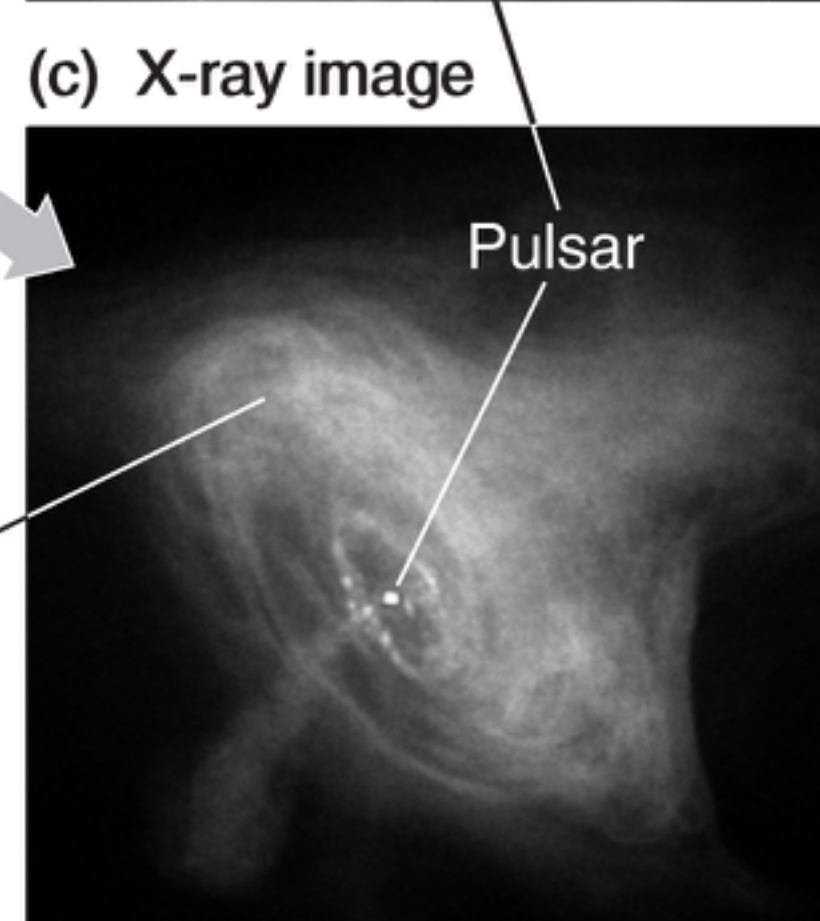
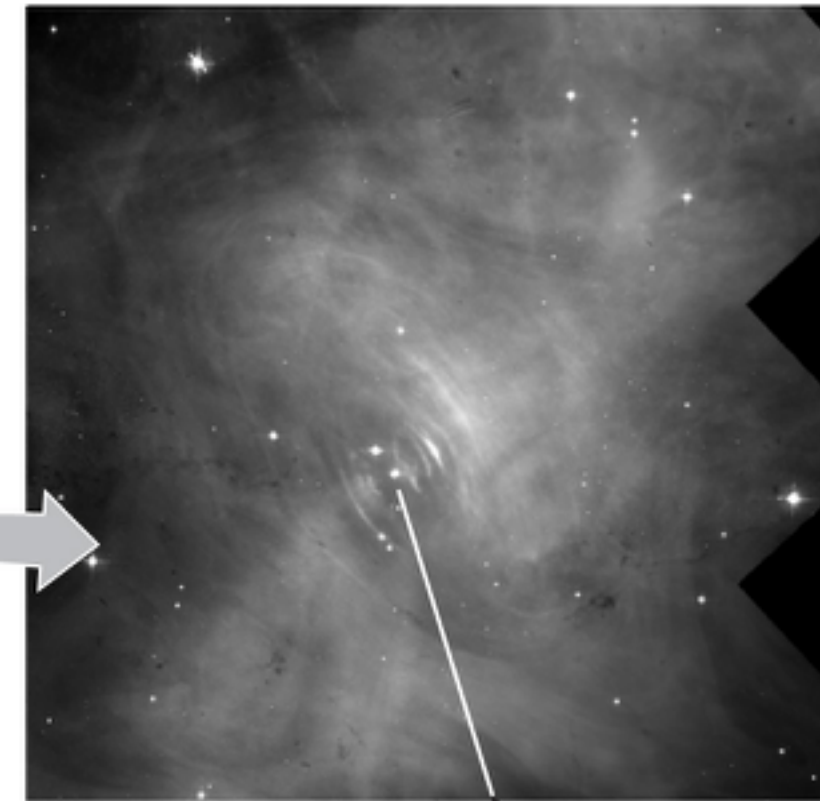
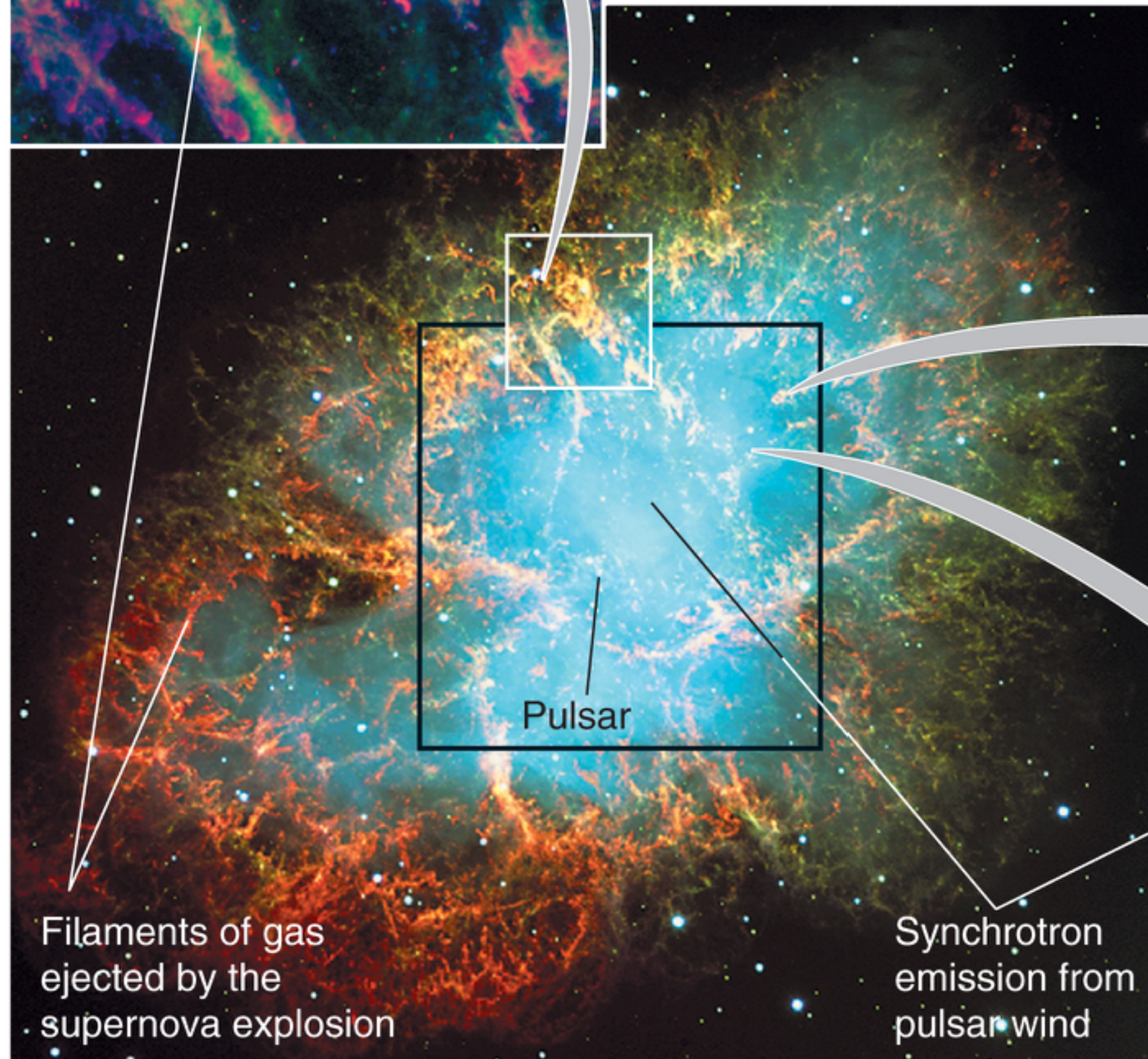
Fig. 13.10

Pulsars: Crab Nebula

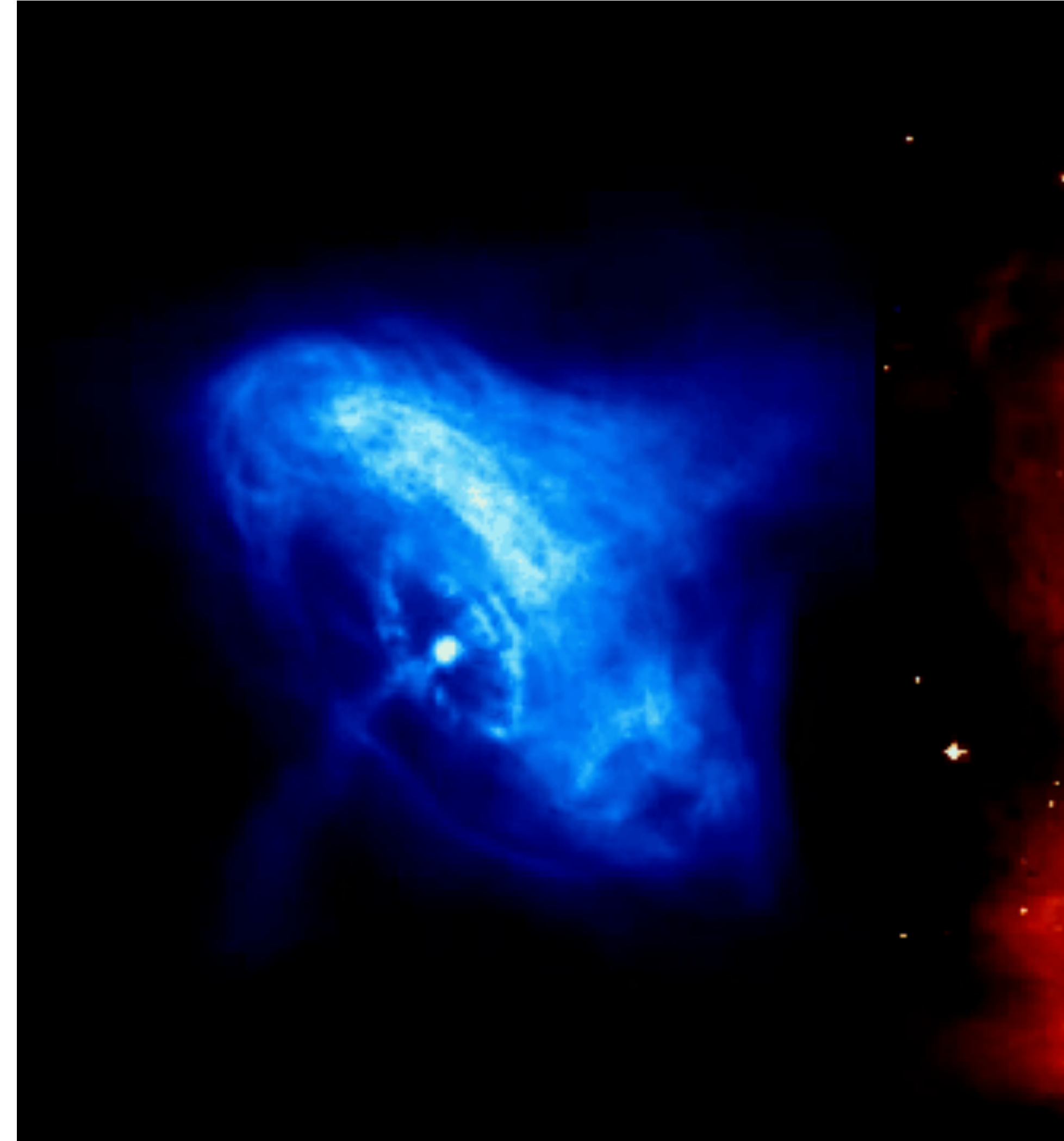



(a) Ground-based image


(b) Visible-light image







www.youtube.com/watch?v=t5uA1RJsDhw&feature=related



Crab Nebula Expansion

https://www.youtube.com/watch?v=_KCCKI9SB90



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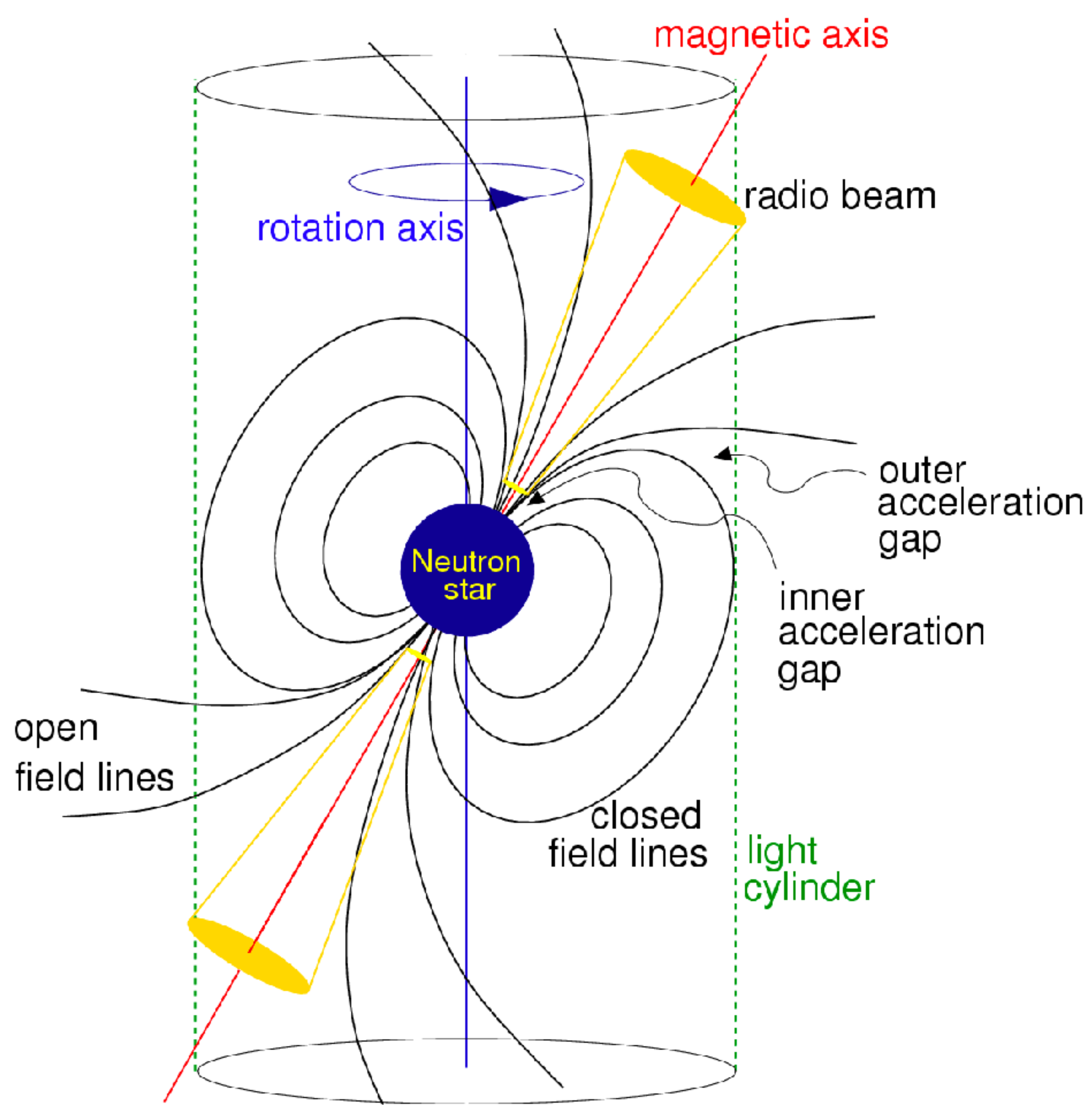


Fig. 13.15

