

Fulsars – fast spinning neutron stars with fierce magnetic fields; gradually slow down *Synchrotron radiation* makes the light seen as pulses – and thus Crab nebula + pulsar shines (and pulses) brightly in many wavelengths How mass transfer from binary companion can spin-up pulsar <u>Review Set 2</u> available today. Ben Brown runs review session next Wed night (9 Mar, here), Second Mid-Term Exam on Friday 11 March

 Homework 6 due Monday -- re-read 18.4 Black Holes carefully for Mon lecture

Clicker review – red giants

- The <u>main source of energy</u> for a star as it grows in size to become a <u>red giant</u> is
 - В.
- A. gravitational contraction

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- B. hydrogen fusion in a shell around core
- C. helium fusion in the core
- D. hydrogen fusion in the core



Hot star: fierce winds















Spinning Bowling Ball Demo

Neutron Star in the Lab

+ Sound on the Web



































