

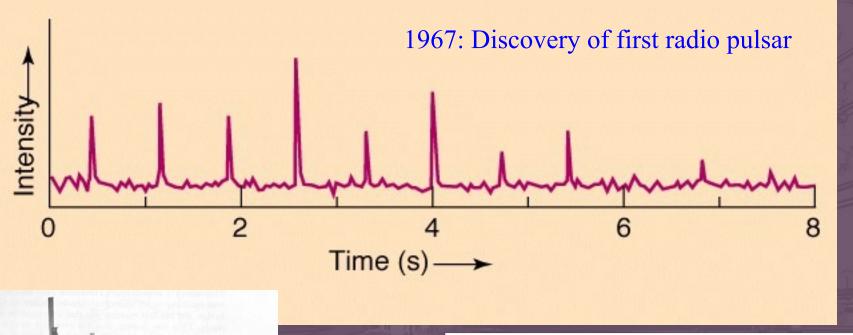
Not to scale! Diameter of the nucleus (protons and neutrons) is about 100,000 times smaller than the diameter of atom. Mass of a proton and neutron are nearly the same. Mass of an electron is 2000 times smaller. Sirius A & B Separation = 11.2"

2021.01.26, 14:57 UTC APM-TMB 228/2050, 3x Barlow, Canon 60D

Sirius A: Main sequence star Sirius B: White dwarf star



Subramanyan Chandrasekhar

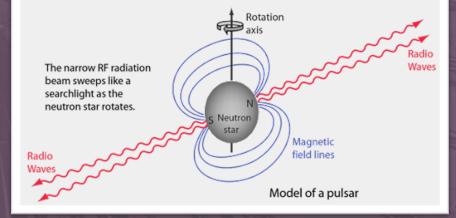




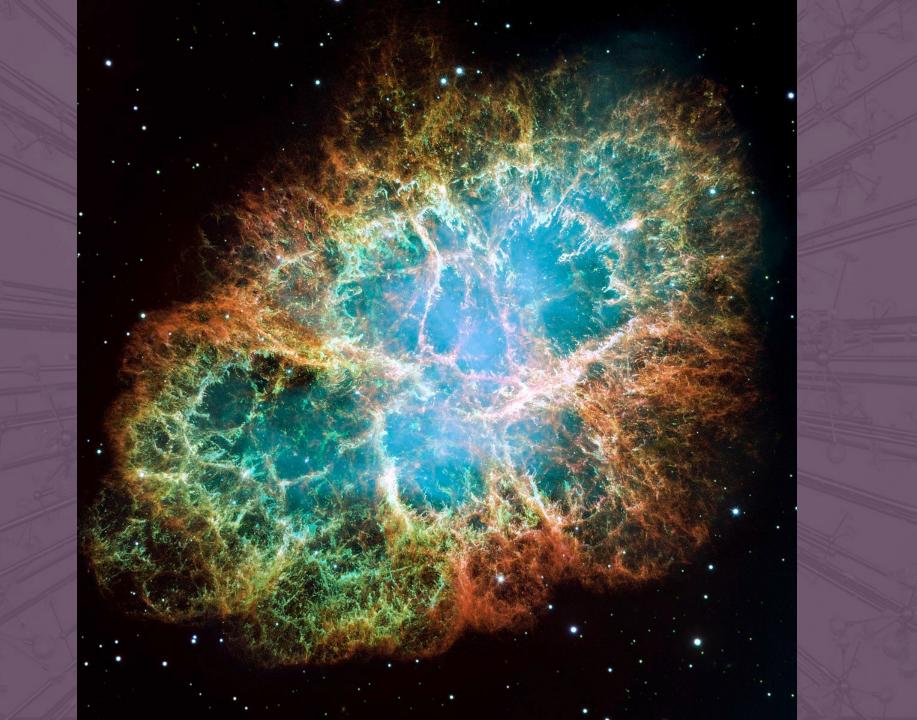
Jocelyn Bell-Burnell



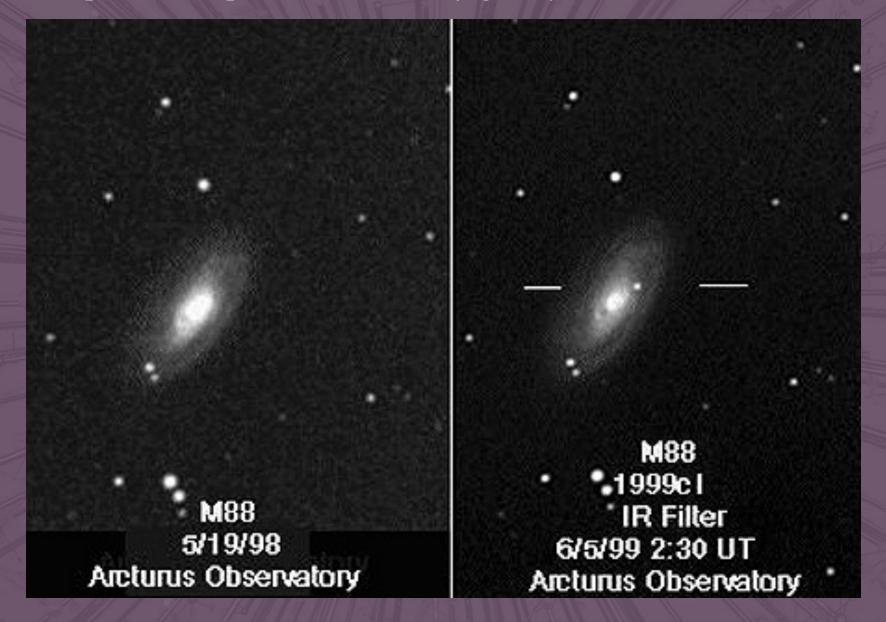
Antony Hewish



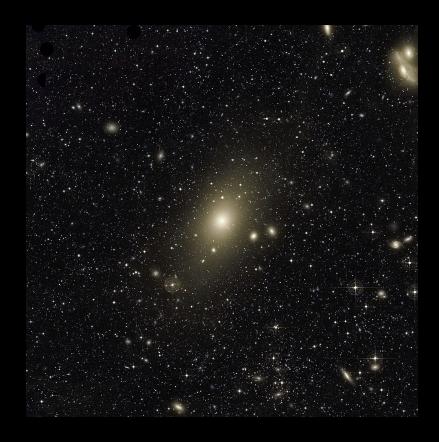
Interpretation: A rotating neutron star beaming radio waves.



Supernova explosion in a nearby galaxy.



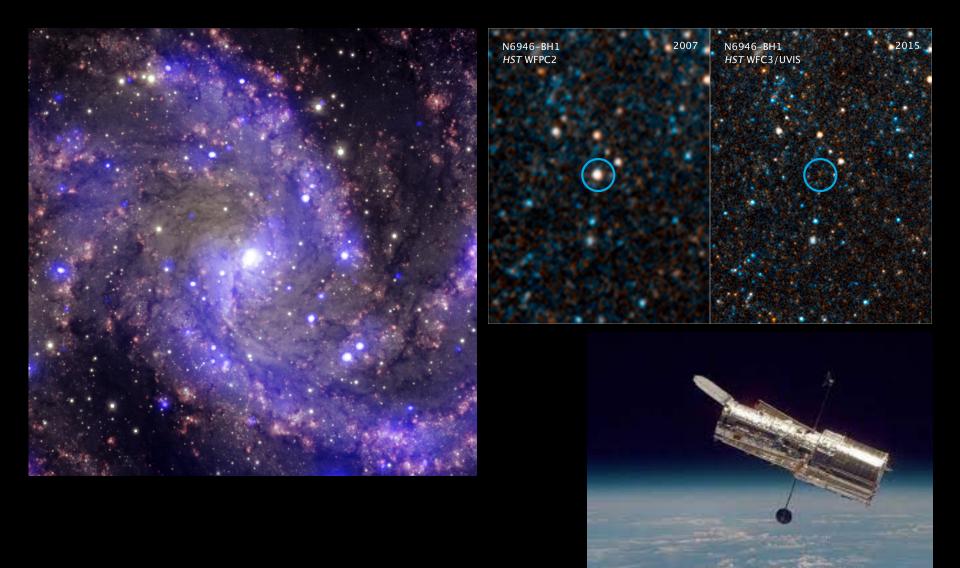




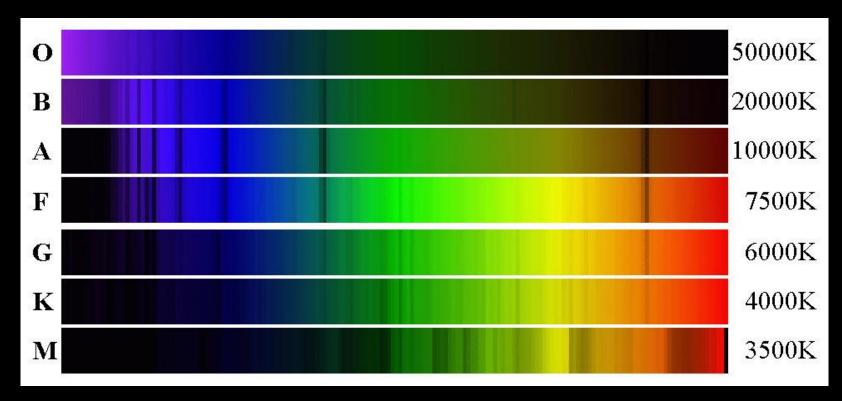




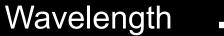
Formation of a "stellar mass" BH $(3 - 100 \times M_{sun})$

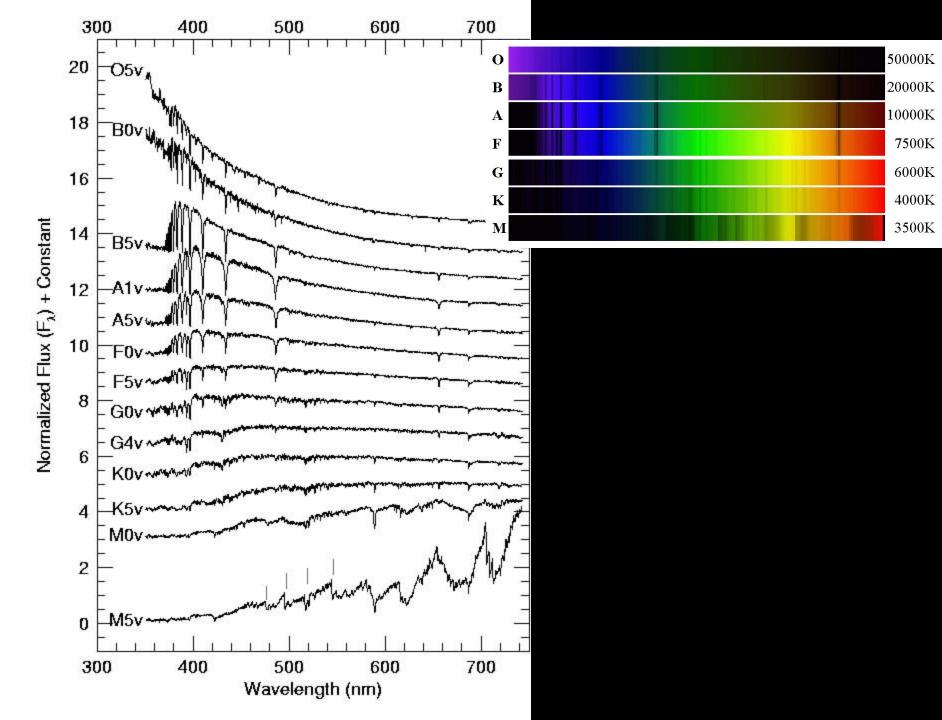


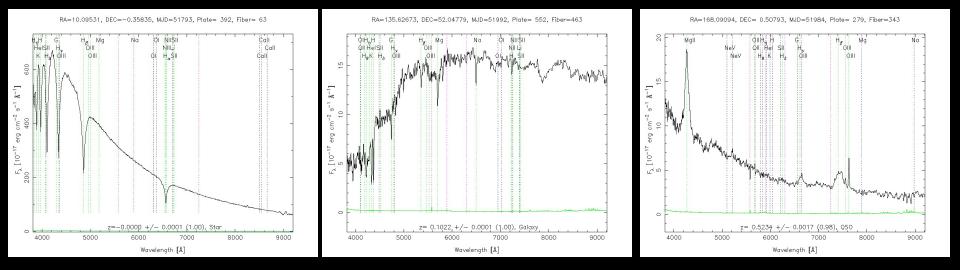
Spectra of Stars





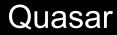


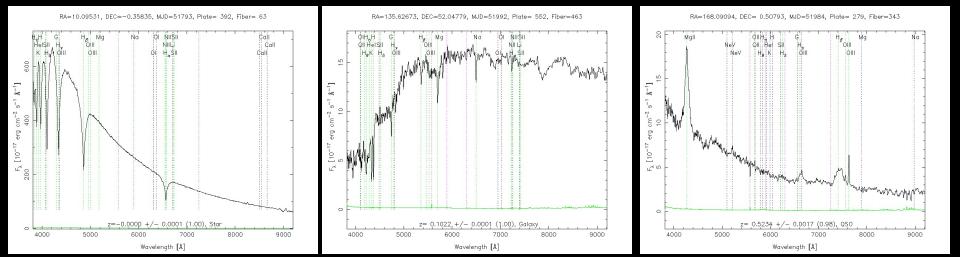




White dwarf





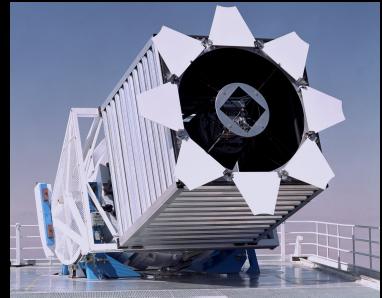


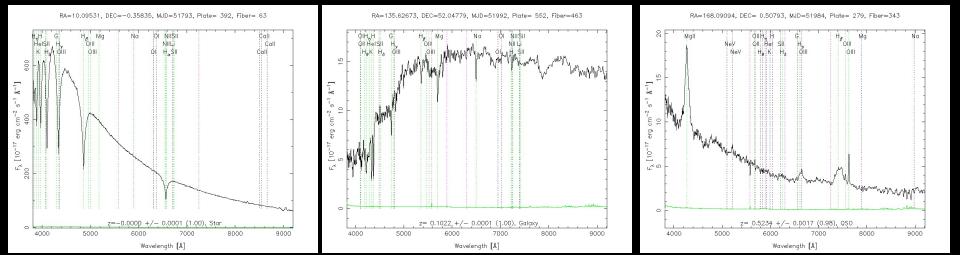
White dwarf



Quasar







White dwarf



Quasar

