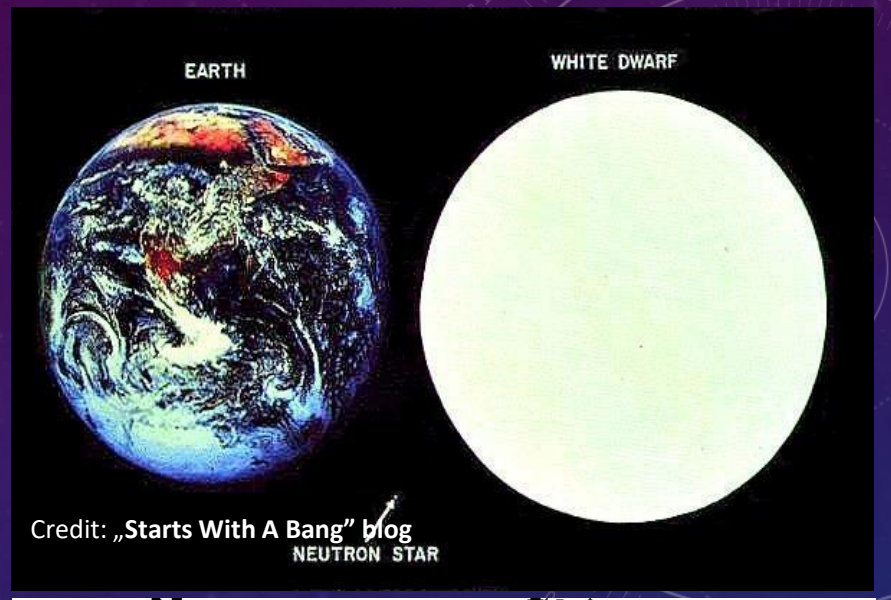
NEUTRON STARS

Size: 20 km

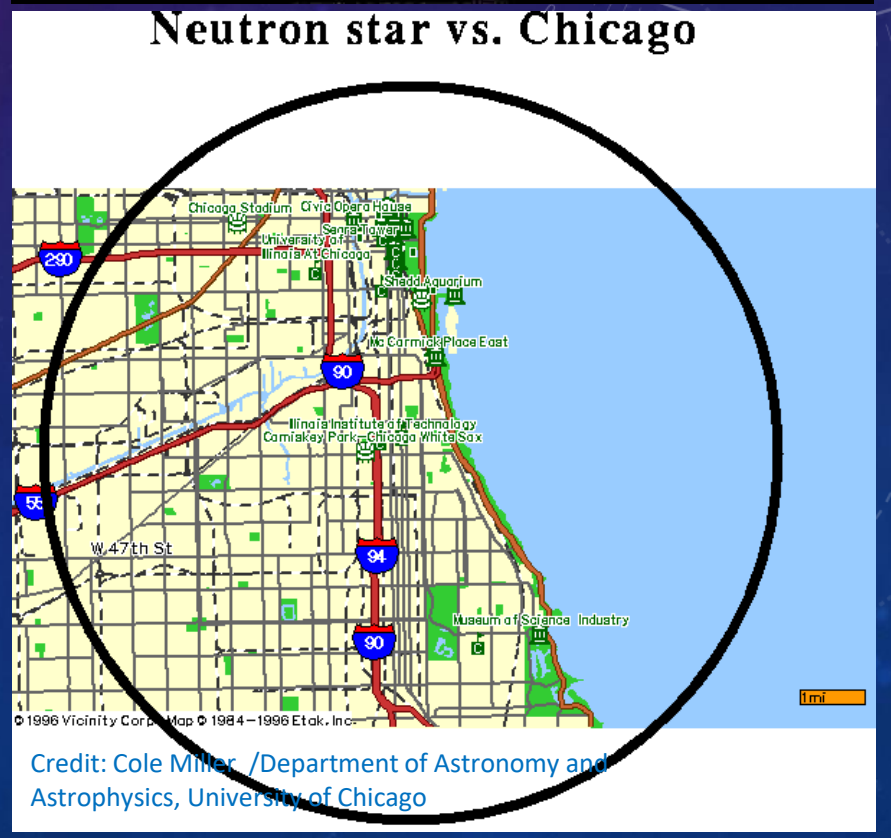
Mass: 2.77*10^30 kg or 1.4 $M_\odot$

Density: 3.7×10^{17} to 5.9×10^{17} kg/m^3



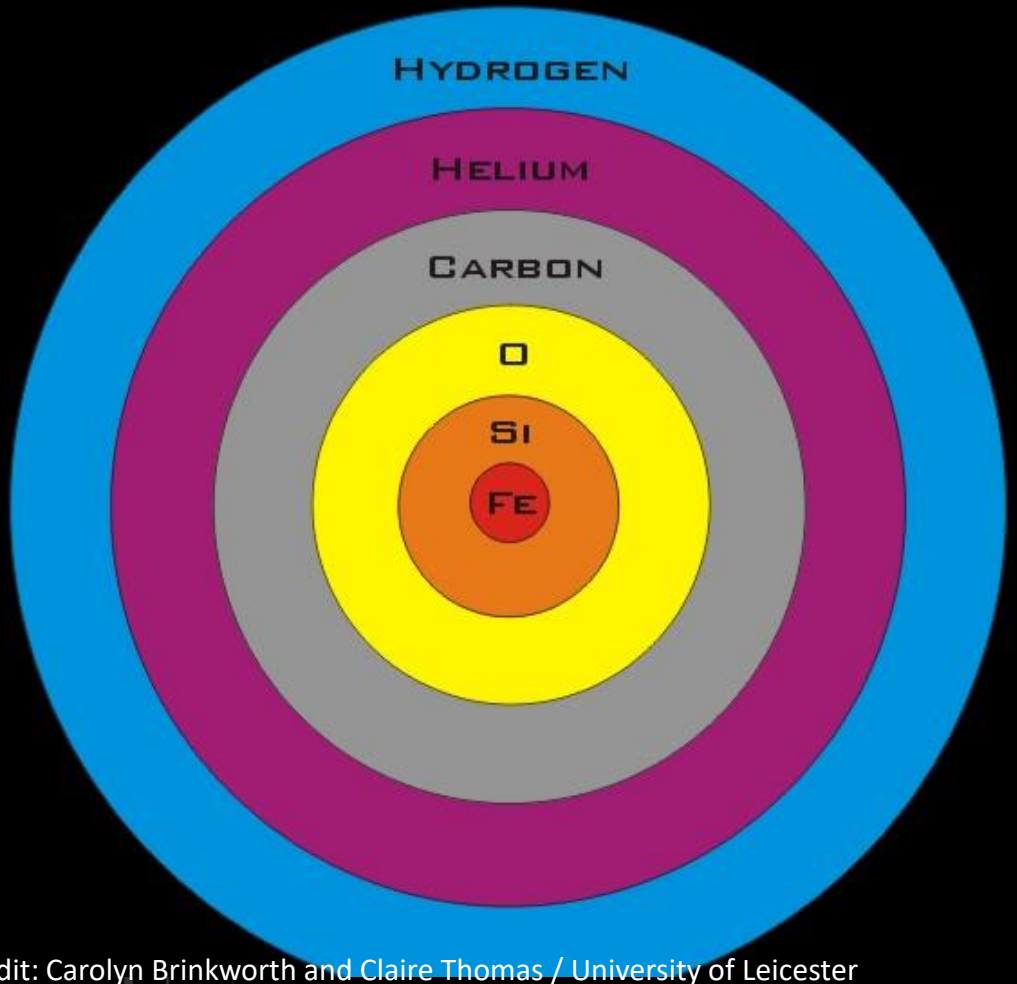
Credit: „Starts With A Bang" blog

Credit: Nick Gertonson / Daniel Schwen / Northwestern / LIGO-Virgo



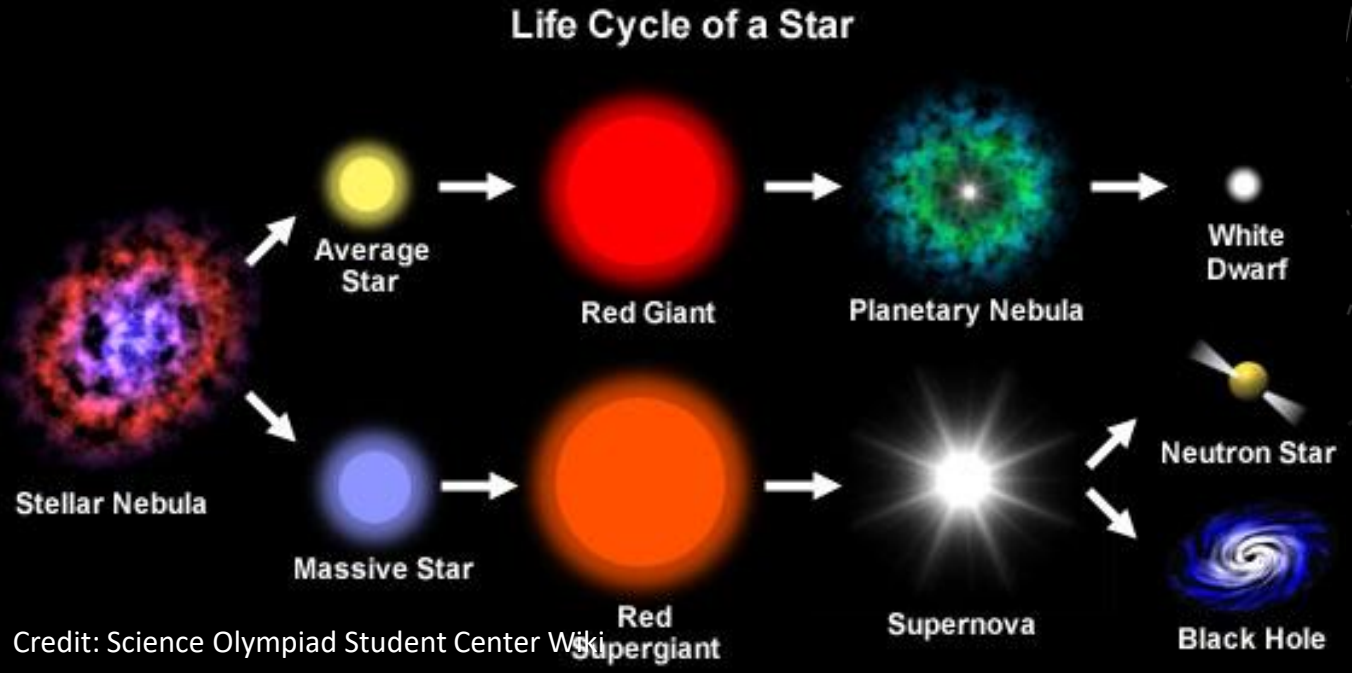
Credit: Cole Miller /Department of Astronomy and Astrophysics, University of Chicago

Stellar Evolution



Credit: Carolyn Brinkworth and Claire Thomas / University of Leicester

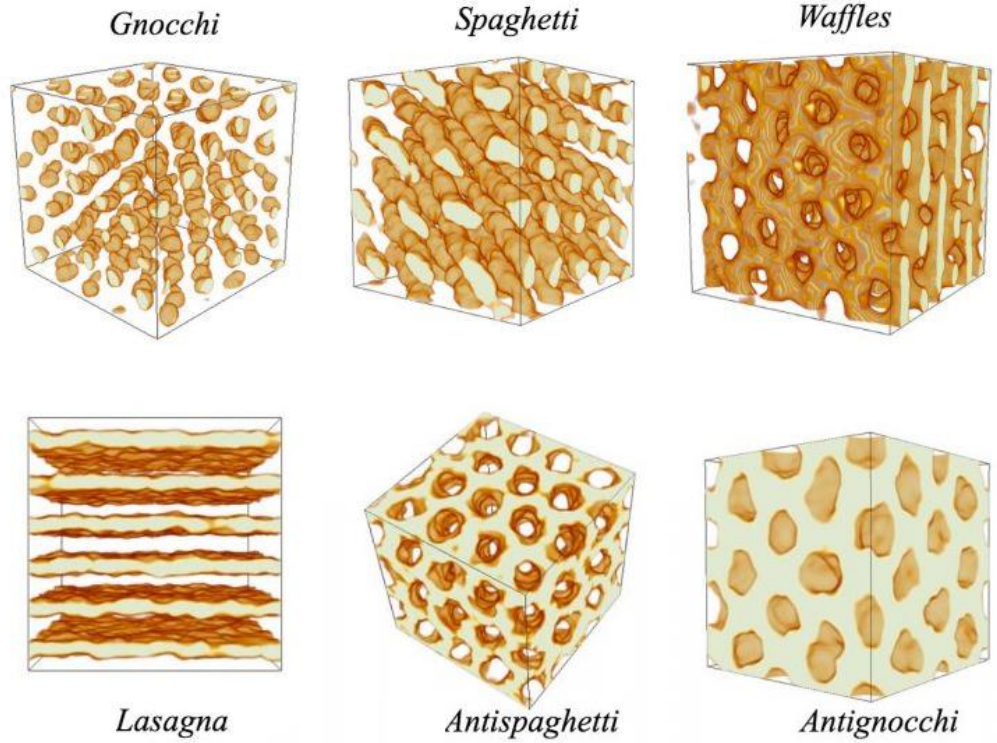
Supernova 1054. Credit: NASA, ESA, J. Hester and A. Loll (Arizona State University



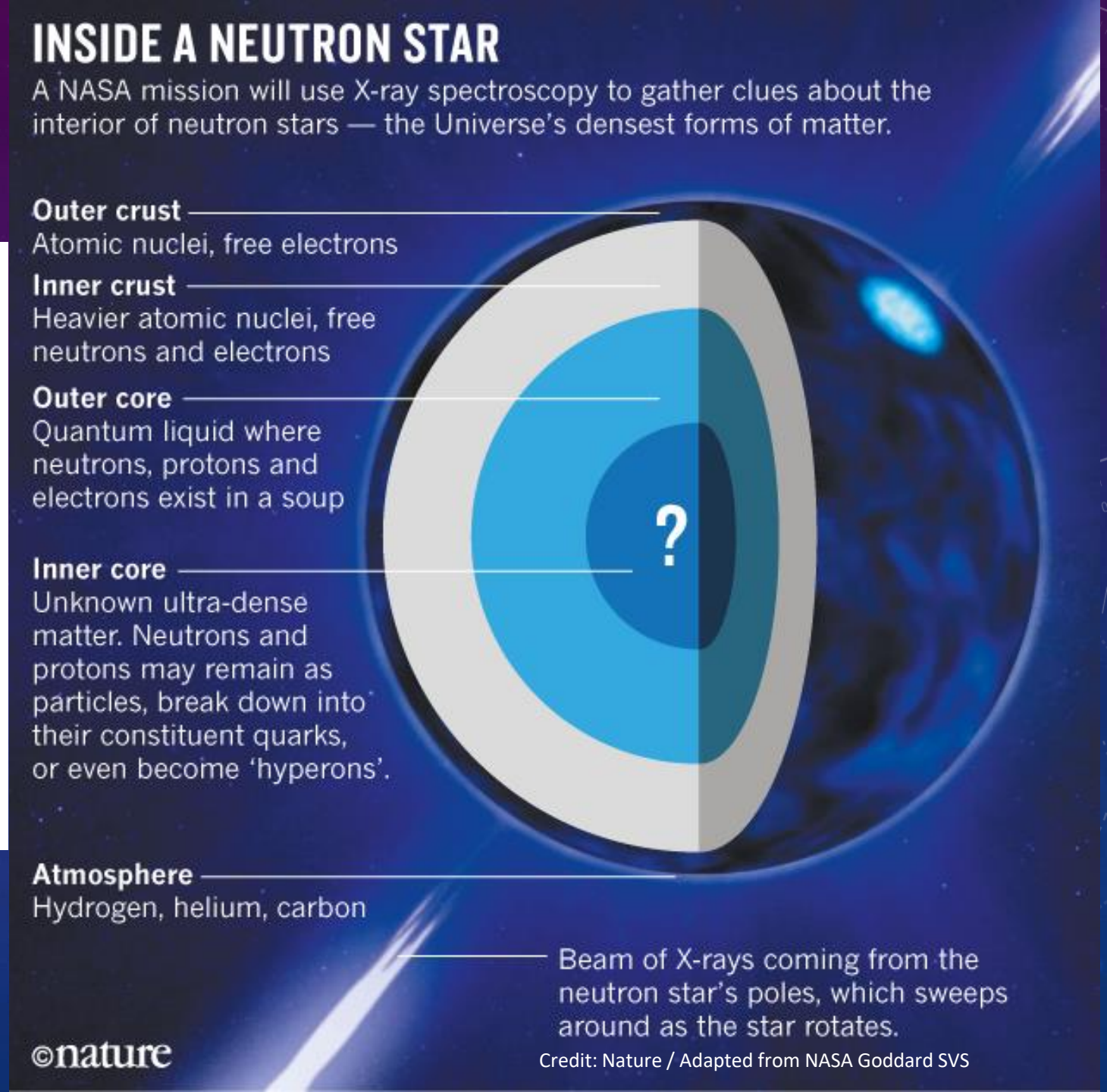
Credit: Science Olympiad Student Center Wiki

Structure

Pasta… Nuclear Pasta.

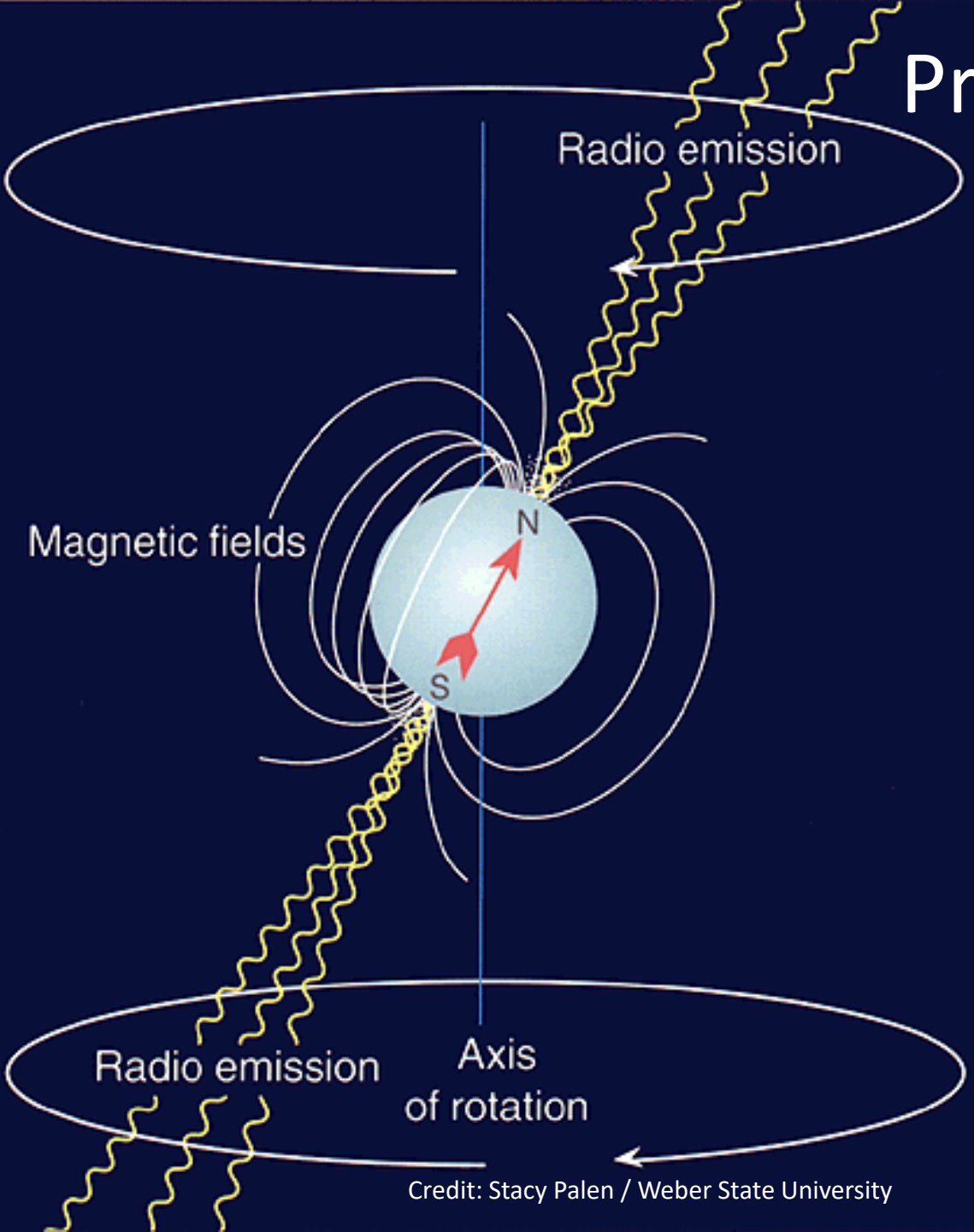


Credit: M. E. Caplan, C. J. Horowitz / Indiana University

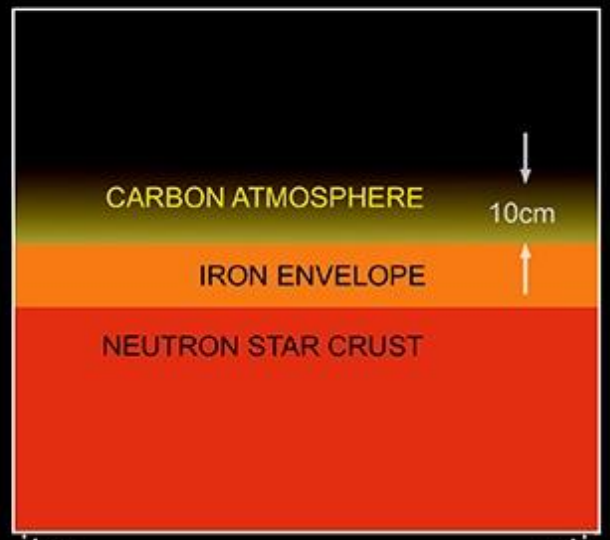


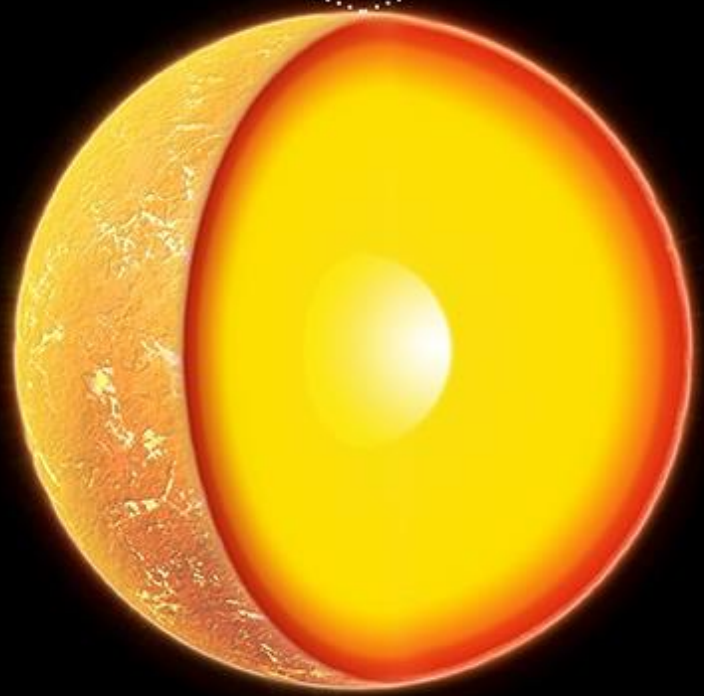
Credit: Nature / Adapted from NASA Goddard SVS

Properties

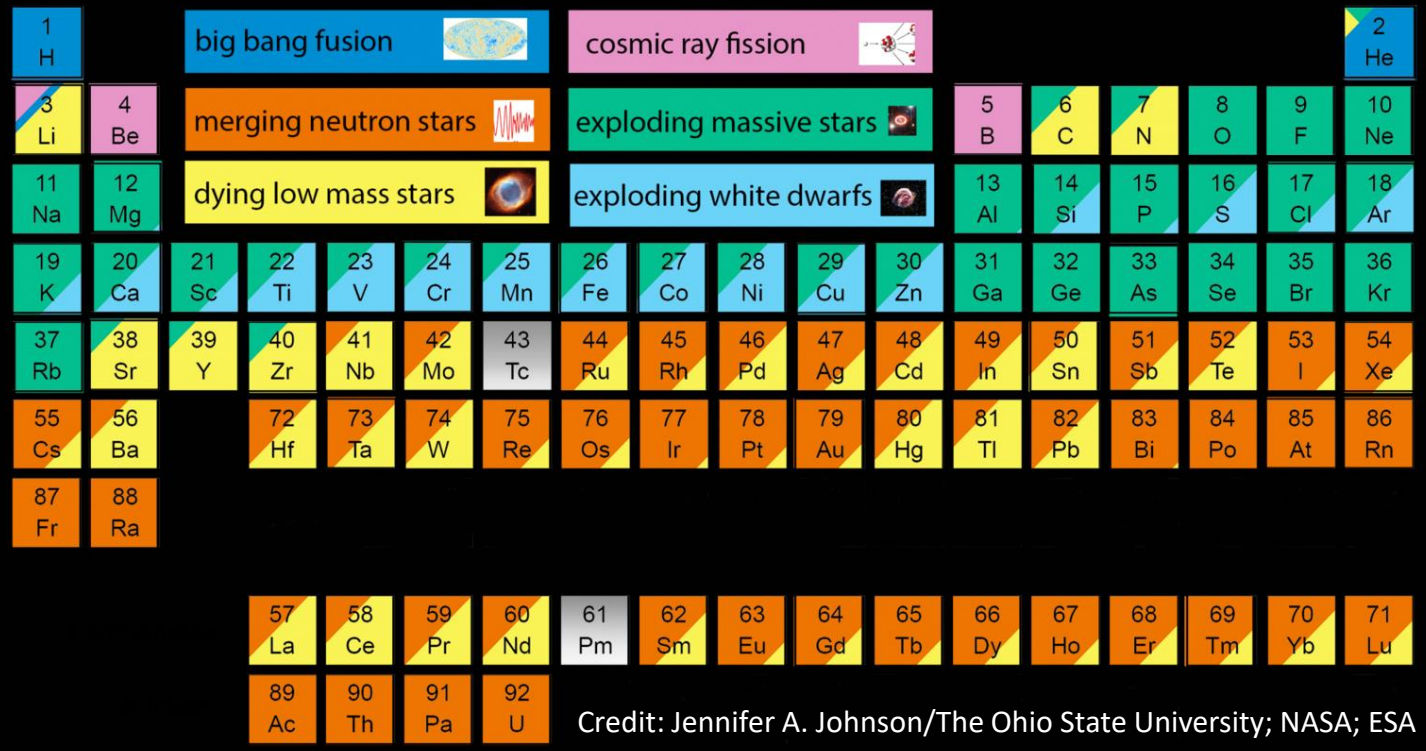


Credit: Stacy Palen / Weber State University

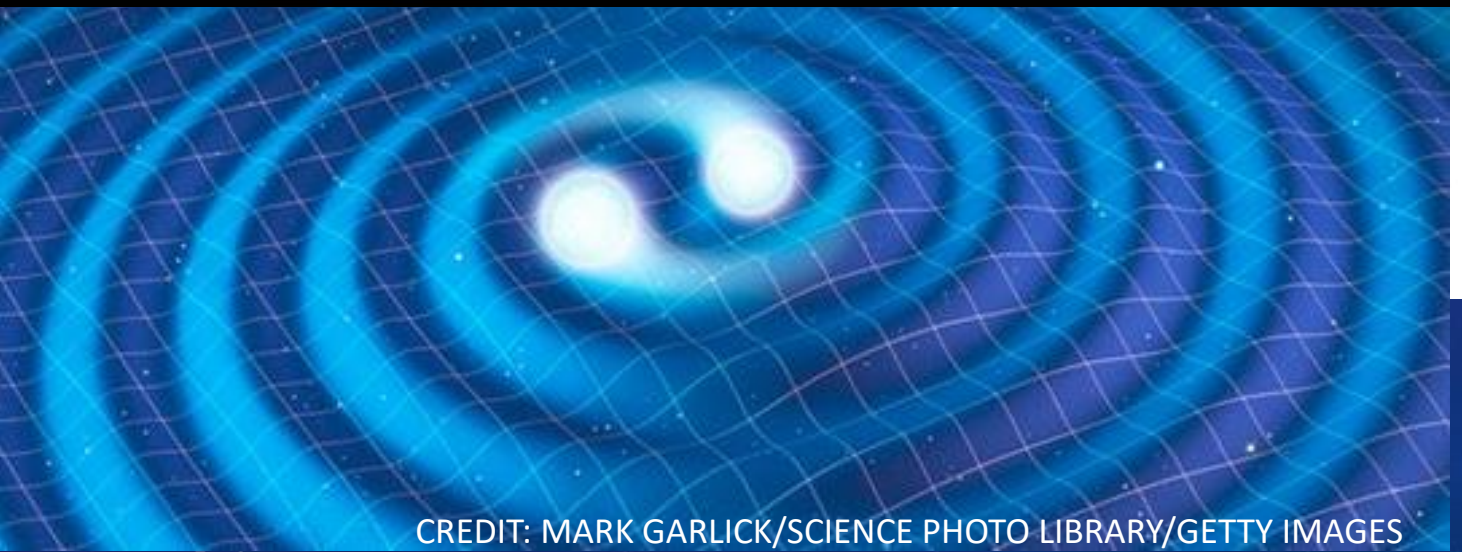




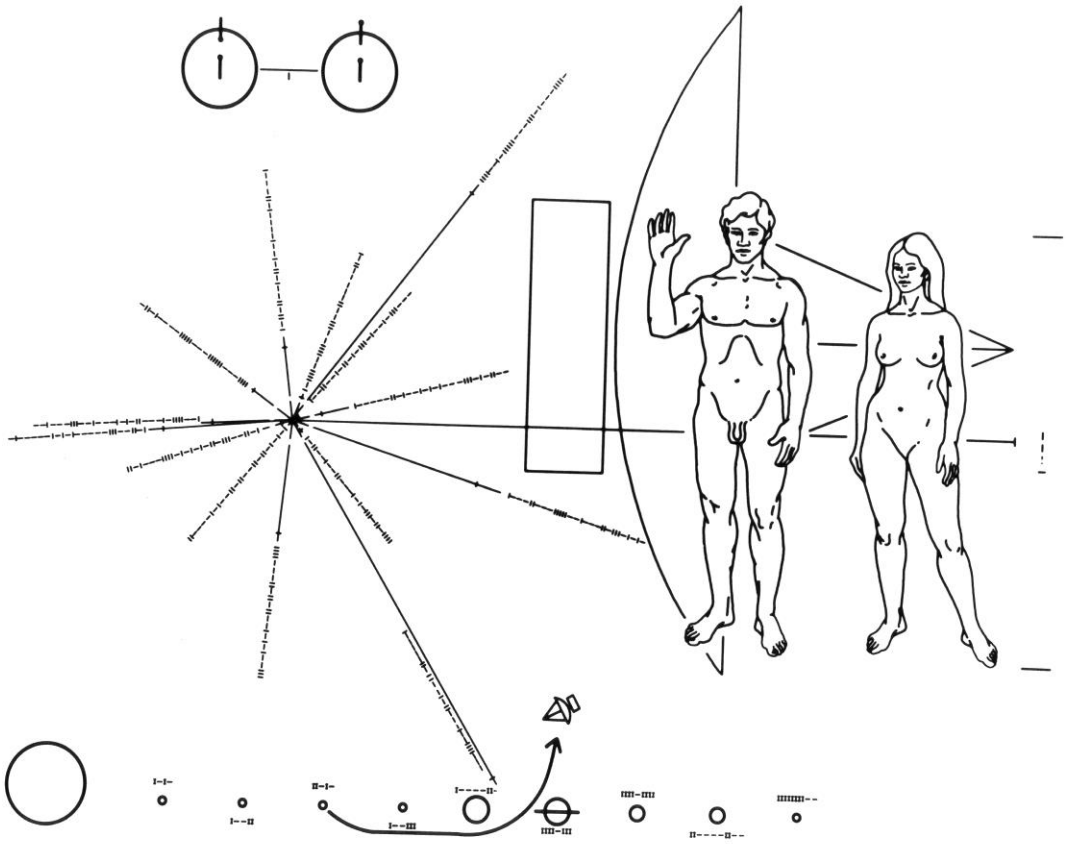
The Origin of the Solar System Elements



Credit: Jennifer A. Johnson/The Ohio State University; NASA; ESA



CREDIT: MARK GARLICK/SCIENCE PHOTO LIBRARY/GETTY IMAGES



Credit: Pioneer Project / ARC / NASA

”WHAT WOULD A TEASPOONFUL OF NEUTRON STAR DO TO YOU?”

https://io9.gizmodo.com/5805244/what-would-a-teaspoonful-of-neutron-star-do-to-you