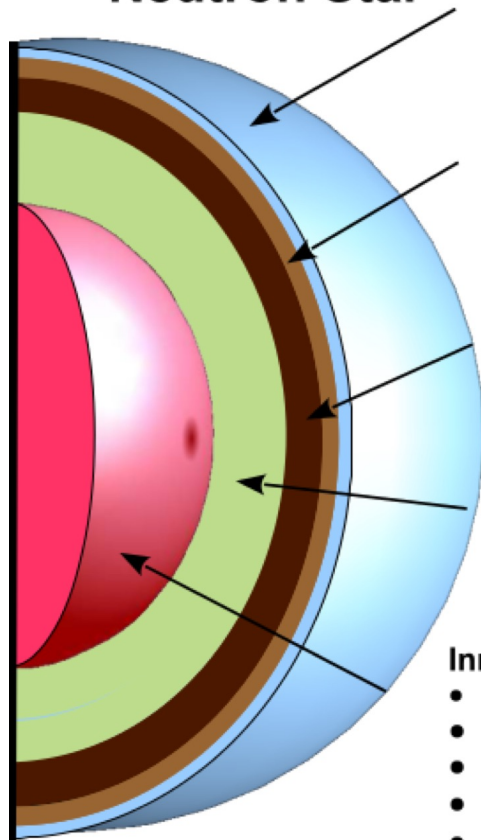


Neutron Star



Surface

- Hydrogen/Helium plasma
- Iron nuclei

Outer Crust

- Ions
- Electron gas

Inner Crust

- Heavy ions
- Relativistic electron gas
- Superfluid neutrons

Outer Core

- Neutrons, protons
- Electrons, muons

Inner Core

- Neutrons
- Superconducting protons
- Electrons, muons
- Hyperons (Σ , Λ , Ξ)
- Deltas (Δ)
- Boson (π , K) condensates
- Deconfined (u,d,s) quarks/color-superconducting quark matter

Credit: F. Weber et al.