

Nucleosynthesis

Order From Chaos

Shock wave - compression, condensation
Asymmetric magnetism - emergent protostar
Protostar contraction cause thermonuclear reaction
Chandrasekhar limit, HR, main sequence star

Main sequence for a billion years
Hydrogen depletion - contraction begins
Compression overcomes - expansion (to) commence
Turn off point - main sequence is left

Constrant luminosity hides hydrogen expansion
A billion years pass until (the) helium flash
Triple-Alpha-Process causes shrinkage in size
(A) Planetary Nebula is discharged - and dies

Nucleosynthesis - shock wave charges (the) surface
Uncontainable - Supernova bursts forth
Most (of) its mass is lost - Stellar Pentecost
White Dwarf dies - Neutron star survives
Or a Blackened Hole?