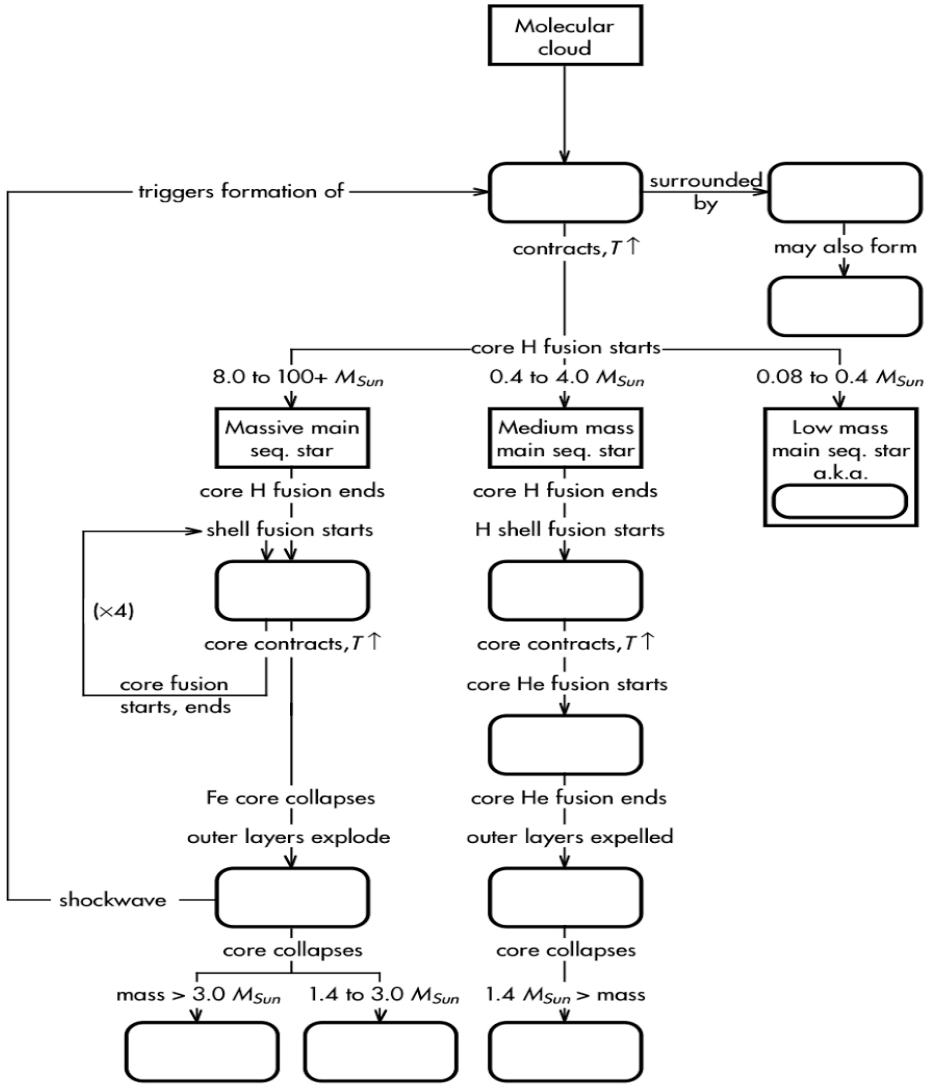
Molecular cloud
triggers formation of
surrounded by
contracts, $T\uparrow$
may also form
core H fusion starts
8.0 to 100+ M_{Sun}
0.4 to 4.0 M_{Sun}
0.08 to 0.4 M_{Sun}
Massive main seq. star
Medium mass main seq. star
Low mass main seq. star a.k.a.
core H fusion ends
core H fusion ends
shell fusion starts
H shell fusion starts
(×4)
core contracts, $T\uparrow$
core contracts, $T\uparrow$
core fusion starts, ends
core He fusion starts
Fe core collapses
core He fusion ends
outer layers explode
outer layers expelled
shockwave
core collapses
core collapses
mass > 3.0 M_{Sun}
1.4 to 3.0 M_{Sun}
1.4 M_{Sun} > mass

13.06.11