Fusion in the Sun: Proton-proton Chain Concept Map

Word List (Some may be used more than once!)

2
15 million
core
deuterium atom
E = mc²
Gamma ray
Gravitational contraction
Equilibrium
³He
⁴He
less mass
neutrino
neutron
positron
proton

Notes:
Sun is in because fusion energy balances produced in

Temperature is Kelvin high pressure produced in

2 positively charged

Temperature is Kelvin

high pressure

Temperature is Kelvin

2

Temperature is Kelvin

2

2

positively charged

Temperature is Kelvin

2

and make one

and make one

and make one

and make one

and make one

and make one

and make one

and make one

and make one

and make one

and make one

and make one

and make one

2

and make one

and make one

and make one

and make one

and make one

and make one

and make one

and make one

and make one

and make one

and make one

and make one

and make one

and make one

and make one

and make one

and make one

and make one

and make one

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

one proton turns into a

and out come

posited charged

collides with

produces gamma ray

collides with another

releases extra protons

forms which has than 4 protons

turned into energy by relationship

stable