

Star's Fission Reactions Theory:

Abstract: In this theory I will give series of self sustained nuclear fission reactions that are taking place at the center of the core of the Sun and all stars because this may helps to revolutionize the world to build and develop nuclear power plants using iron oxide sample and to study the Sun's core further in detail because Sun's core is important it is producing nuclear fission reaction and definitely something is special in the Sun's core and it is definitely the presence of carbon element because without carbon the iron oxide can't undergo self sustained nuclear fission reactions. So further study of Sun's core helps to develop nuclear power plants using iron oxide if and only if you analyze how nuclear fission reactions are taking at the center of the core of the Sun and all stars. So this theory helps to develop nuclear power plants.

Keywords: Sun, stars, nuclear reactions, heat energy, neutrons.

Introduction: In this theory I will tell series of nuclear fission reactions that are taking place at the center of the core of the Sun and all stars because most of the people and scientists don't know the nuclear fission reactions that are taking place at the center of the core of the Sun and all stars. Before to explain you series of nuclear fission reactions that are taking place at the center of the core of the Sun and all stars, I am interested to explain you about Sun's core and it consists of which element.

1. The Sun in fact all the core of all stars is made up of what material and it consists of which element?

Explanation: The Sun in fact all the core of all stars in the universe is a solid core but it is a mixture of iron and carbon element and iron is in heavy percentage. This carbon blended iron is present at the center of the core of the Sun and all stars and this iron oxide is undergoing nuclear fission reaction. So the series of nuclear reactions are important that are taking place at the center of the core of the Sun and all stars. Before to explain you series of nuclear fission reactions that are taking place at the center of the core of the Sun and all stars please keep in mind that to take place nuclear fission reaction of iron, the nucleus of iron atom must break and if it bombards with a neutron then only it can break and then one question dazzles in your mind that how the

iron atom captures one neutron at the center of the core of the Sun and all stars. Please remember that the iron oxide sample present at the center of the core of the Sun and all stars is not simple iron oxide sample but it is black carbon element blended iron oxide sample. So the iron atom of this iron oxide sample captures neutron from the blended carbon atom. So carbon present in the core is helping the Sun in fact all stars for nuclear fission reaction. One more point please remember that the nuclear fission reaction is taking place in the Sun and all stars only at the center of the core of the Sun and all stars because at the center matter pressure will be high according to my knowledge and this pressure is high because simply the entire core of the Sun and all stars is in high thermal state and there is no special in it. However one special issue is that the presence of carbon element is definitely helping for all stars for self sustained nuclear fission reactions and according to my knowledge without this carbon the iron oxide sample can't undergo nuclear fission reaction because the presence of carbon element acts as catalyst. Catalyst means it makes nuclear fission reaction successful without the destruction or without destroying itself. Totally according to my knowledge without this carbon element burning or nuclear fission reaction of the Sun and all stars is 100% impossible. Due to the presence of carbon element nuclear fission reaction is taking place. For every second or every minute the center of the core is consuming some definite number of iron atoms and converting these iron atoms into energy. The mass number of iron is 56 and after capturing one neutron from the blended carbon atom its mass number increases by one and the nucleus splits. The series of nuclear fission reactions that are taking place at the center of the core of the Sun and all stars are as follows.

2. Series of nuclear fission reactions that are taking place at center of the core of the Sun and all Stars:

Fe-57 \rightarrow Ar-40- and N-14 with the release of three neutrons.

In these three neutrons two neutrons collide with the nuclei of two iron atoms of the iron oxide core sample and left neutron bombards with the argon atom. Please see the reaction below because these reactions will not end till the final fissile fragments hydrogen, helium and nitrogen is obtained. In fact all the cores of the Sun and stars is burning and converting into hydrogen, helium and nitrogen little by little.

Ar-41 \rightarrow Mg-24 and N-14 with the release of three neutrons.

In these three neutrons two neutrons collide with the nuclei of two iron atoms of iron oxide core sample and the other neutron bombards with magnesium atom. The reaction is as follows.

Mg-25 \rightarrow N-14 and Be-8 with the release of three neutrons.

In these three neutrons two neutrons collide with the nuclei of two iron atoms of iron oxide core sample and the other neutron bombards with beryllium atom. The reaction is as follows.

Be-9 \rightarrow He-4 and D-2 with the release of three neutrons.

These three neutrons will directly collide with three nuclei of three iron atoms of iron oxide core sample because the gases are already obtained. (D means "deuterium" and it is the isotope of hydrogen atom).

So the final fissile fragments will be hydrogen, helium and nitrogen. The nuclear fission reaction at the center of the core of the Sun and all stars converts the fissile fragments into again and again gas because it achieves the release of highest energy without destroying or utilizing the entire iron oxide core sample. In fact it converts the core of the Sun and all stars little by little into gases only. So after the burning of the entire core supernova takes place. In fact the supernova of any star takes place by this phenomenon only. For reference read " Smart Mind Nuclear Theory".

References:

1. The CNO-I process was independently proposed by Carl von Weizsäcker and Hans Bethe in the late 1930s. The first reports of the experimental detection of the neutrinos produced by the CNO cycle in the Sun were published in 2020.
2. The theory that proton–proton reactions are the basic principle by which the Sun and other stars burn was advocated by Arthur Eddington in the 1920s.