http://hyperphysics.phy-astr.gsu.edu/hbase/NucEne/fusion.html

https://en.wikipedia.org/wiki/Discovery\_of\_nuclear\_fission

What is the mass and atomic number of U above?

The mass of an electron is?

The evidence for the existence of what is provided by Beta decay?

What is the definition of Beta decay?

|  |  |
| --- | --- |
| Mass Before | *Mass after* |
|  3.90088×10-25 kg |  1.6249×10-25 kg |
|  1.6749×10-27 kg |  2.2556×10-25 kg |
| Total 3.917629×10-25 kg |  3.3498×10-27 kg |
|  |  3.32×10-30 kg |
|  | Total 3.914031×10-25 kg |

Calculate the energy released from the mass loss provided.

Name the type of reaction given above and how you would calculate the energy released

$+\rightarrow o+e+2+4$

State appropriate relationship to solve problems involving the mass loss and energy released by a nuclear reaction.

Explain plasma and how it is contained in nuclear fusion reactors.

Name and describe the nuclear reaction in the diagram

Name and describe the nuclear reaction in the diagram

The mass of a neutron is?

What is the mass of a proton?

 

Nuclear reactions

