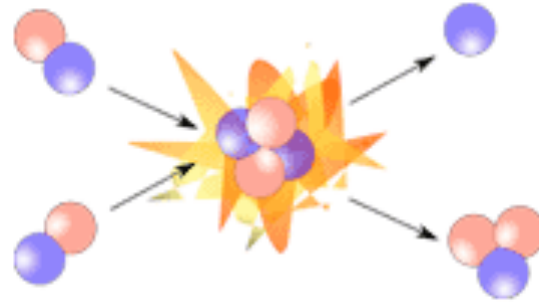
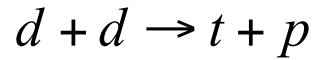
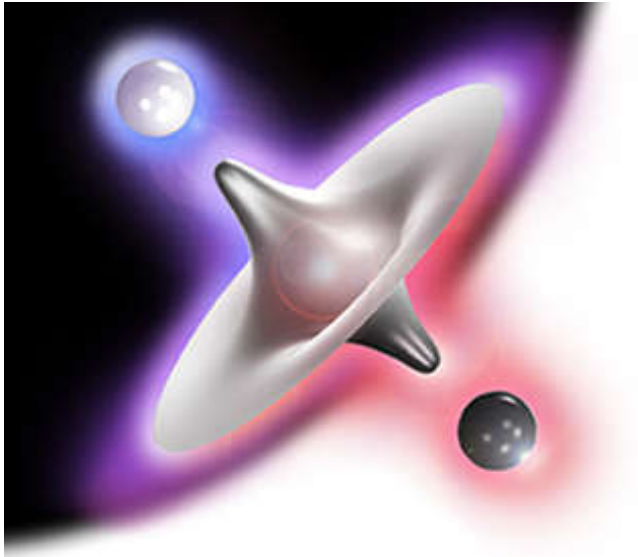


1. Look up (online) the mass of: a neutron, a Uranium-235 nucleus, a Krypton-89 nucleus, and a Barium-144 nucleus.
2. Find the amount of mass lost during one fission event.
3. Use $E = m c^2$ to find the amount of energy released in one event.
4. How much energy is released from complete fission of 1 kilogram of Uranium-235?



1. Look up (online) the mass of: a deuterium nucleus, a tritium nucleus, and a proton.
2. Find the amount of mass lost during one fusion event.
3. Use $E = m c^2$ to find the amount of energy released in one event.
4. How much energy is released from complete fusion of 1 kilogram of deuterium?



$$p + \bar{p} \rightarrow \gamma + \gamma$$

1. Look up (online) the mass of a proton. (The γ represents a photon, which has zero mass.)
- ~~2. Find the amount of mass lost during one annihilation event.~~
- ~~3. Use $E = mc^2$ to find the amount of energy released in one event.~~
4. How much energy is released from complete annihilation of 1 kilogram of matter?