

Assignment 2 (Due 26 November 2016 at 6pm)

The possible topics (Nuclear physics and radioactivity and Elementary particles)

1. Structure of an atom and nucleus
2. Nuclear forces and stored energy
3. Nuclear fission
 - Alpha decay (spontaneous)
 - Fission bomb (neutron induced fission)
4. Nuclear Fusion
5. Radioactivity
 - Alpha, beta and gamma radiation
 - Why its bad for you
6. -Nuclear power
 - Nuclear medicine
7. Introduction to Elementary Particle Physics