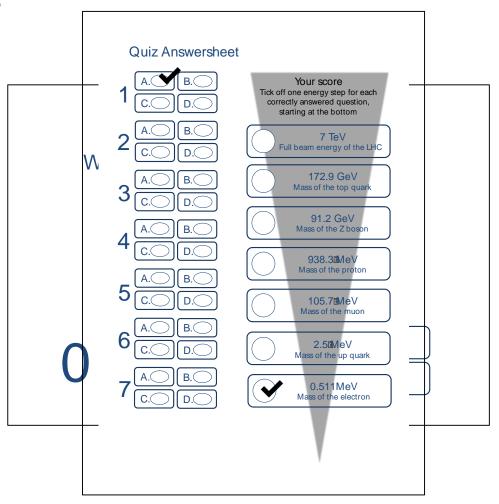
Rules of the Game

7 questions, each with 4 answers to choose from (A, B, C, D).

Mark your answer on your answer sheet before the timer ends.

We will then reveal the correct answer.

If you have answered correctly you may tick off the next energy level.



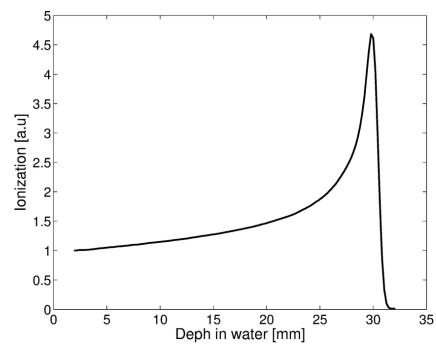
Let's see which energy level you can reach!

Regely?

Which physical principle is important for Hadron

Therapy?





A. Brad's valey

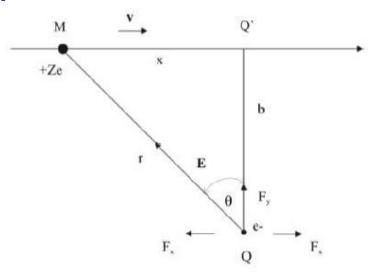
B. Bragg valey

C. Bragg peak

D. Bill's peak

Which type of interaction is dominant between proton/ion beam with electrons from molecules of human body?





2

A. Electromagnetic force

B. Weak force

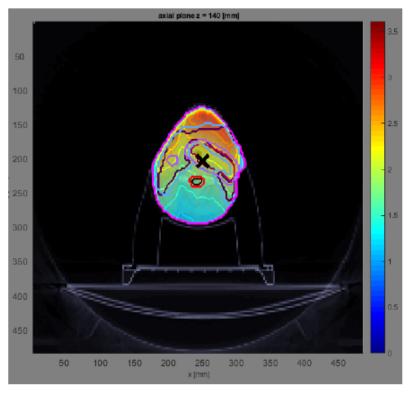
C. Strong force

D. Gravitational force

From the picture below, what kind of particles create such dose

distribution?





A. Protons

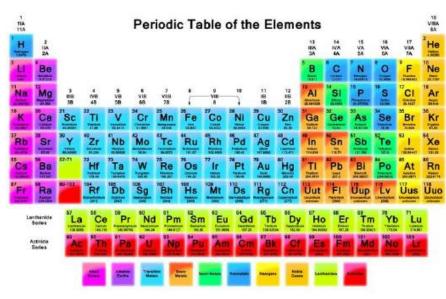
B. Photons

C. Carbon ions

D. Pions

Most commonly used ions for therapy?





4

4. Uranium ions

B. Argon ions

C. Oxygen ions

D. Carbon ions

What is the unit for absorbed dose?





A. 1 Joule

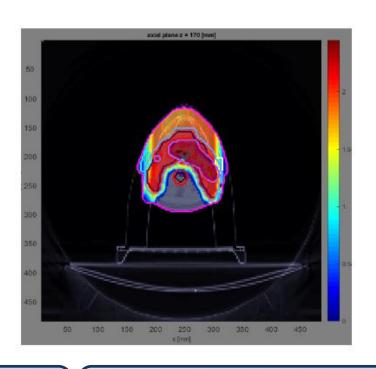
C. 1 Green

B. 1 Newton

D. 1 Gray

Dose on the critical organs using proton/ion therapy instead of X-ray therapy is:







How do we call a treatment using ionizing radiation to kill cancer?





7

A. Radiotherapy

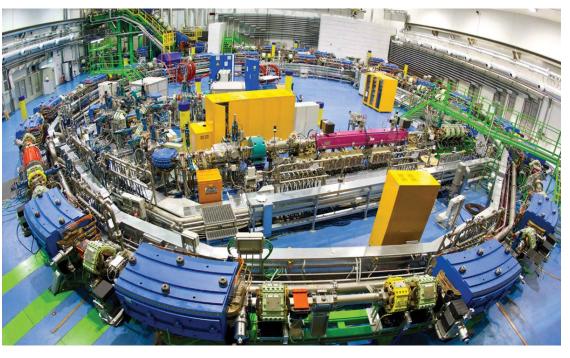
B. Radiodiagnostics

C. Radiophone

D. Radiology

Synchotrons are used for accelerating





9

A. Photons

B. Heavy particles

C. The patient

D. I don't know

We use a CT machine for





A. Radiation delivery

B. Reducing background radiation

C. Shielding the OARs

D. Imaging

1 C

Which energy level did you reach?