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!
Ready?

ReGeN?
Which physical principle is important for Hadron Therapy?

A. Brad's valley
B. Bragg valley
C. Bragg peak
D. Bill's peak
Which type of interaction is dominant between proton/ion beam with electrons from molecules of human body?

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?

A. Uranium ions
B. Argon ions
C. Oxygen ions
D. Carbon ions
What is the unit for absorbed dose?

A. 1 Joule
B. 1 Newton
C. 1 Green
D. 1 Gray
Dose on the critical organs using proton/ion therapy instead of X-ray therapy is:

A. bigger
B. smaller
C. I don’t know
D. equal
How do we call a treatment using ionizing radiation to kill cancer?

A. Radiotherapy
B. Radiodiagnostics
C. Radiophone
D. Radiology
Synchotrons are used for accelerating

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
Which energy level did you reach?