

**SEMINARS:**

The topic №	Name of topics for class	Number of hours	Maximum score
1	Characteristics of fundamental interactions.	1	8
2	Decay of atomic nuclei.	1	8
3	The theory of the Weinberg-Salam- Glashow.	1	8
4	Potential of Yukavo.	1	8
5	Quantum chromodynamics.	1	8
6	The concept of mass in modern physics.	1	8
7	Some achievements of experimental physics.	1	8
8	The quark structure of the proton and neutron.	1	8
9	Largest projects in the world.	1	8
10	The binding energy of nuclei.	1	8
11	Stability region.	1	8
12	General characteristics of radioactive processes.	1	8
13	Synthesis of transuranic elements.	1	8
14	Theory of alpha- decay.	1	8
15	Classification of radiations mechanisms of fast particles in the medium.	1	8