Academic Transcript

Student Name:	Kladov Valentin
University:	Novosibirsk National State University
Department:	Physics
Program Title:	General and Fundamental Physics
Language of Instruction:	Russian
Award Name:	BSc in Physics
Date of Award:	02.06.2020
Degree Class Awarded:	First-Class Honors
Registration Number:	129
Certificate Series:	105424
Certificate Number:	4611046

Name of disciplines (modules) of program, type of practice	Number of credit units / academic hours	Mark
Analytical mechanics	4	5
Astronomy	2	5
Atomic physics practical work	3	5
Atomic nucleus	1	5
Basics of computational physics	3	4
Basics of functional analysis	8	5
Basics of mathematical analysis	16	5
Basics of programming	3	5
Business relationship psychology	1	+
Circular particle accelerators	1	5
Computer simulation of physical phenomena	2	5
Differential equations	8	5
Ecology	1	5
Economic simulation games	2	+
Electrodynamics and optics	6	5
Electromagnetism practical work	3	5
Electronics	5	5
Electronics practical work	2	5
Electrostatics and magnetostatics	7	5
English language	18	5
History	2	+
Intellectual property protection	1	+
Introduction to experimental data processing	1	4
Introduction to high energy physics	2	5
Introduction to technique of physical experiment	2	5
Life safety	2	+
Linear algebra and geometry	10	5
Mathematical physics methods	8	5
Measurement techniques practical work	3	5
Mechanics and theory of relativity	9	5
Methods of experiments in nuclear physics	1	5
Molecular physics	6	5
Molecular physics practical work	3	5
Non-accelerator experiments in particle physics	2	+
Nuclear electronics	2	5
Nuclear physics practical work	2	5
Outstanding experiments in high energy physics	1	5
Particle physics	2	5
Particle physics at superhigh energies	1	5
Philosophy	5	5
Physical education and sport	2	+
Physical optics practical work	3	5
Physics and chemistry of atoms and molecules	4	4
Physics of continuous matter	4	5
Practical programming	3	5

Processing and analysis of experimental acceleration data (practical exercises)	1	5
Quantum mechanics 1	5	5
Quantum mechanics 2	4	5
Quantum mechanics 3	4	5
Scientific publication preparation tutorial	1	+
Scientific research automation techniques	3	5
Statistical methods in nuclear experiment	2	5
The art of teaching physics	1	+
Theory functions of a complex variable	4	5
Theory of probability and mathematical statistics	3	4
Thermodynamics and static physics	4	5
Thermodynamics and static physics 2	4	5
Vector and tensor analysis	3	5
Practical work, including:	18	X
Educational practice, practice for obtaining primary professional skills and abilities	1	+
Industrial practice, research work	15	5
Industrial practice, undergraduate practice	2	5
State final attestation, including:	6	X
Final qualifying work (bachelor degree) "Calibration of light collection inhomogeneity of the SND aerogel Cherenkov counter"	X	5
Workload of educational program, including:	240	X
Student workload in interaction with teacher	4520 hours	X
Optional disciplines, including:		
Introduction to Information Technology	2	+
Atomic and nuclear physics	1	5

Course works (projects)	**Mark**
Physical optics practical work	5
Educational practice, practice for obtaining primary professional skills and abilities	5
Electromagnetism practical work	5

grade	**numeric**
non-graded examinations	
passed	+
not passed	-
graded examination	
excellent	5
good	4
satisfactory	3
unsatisfactory	2
no examination	
no examination	X