

Tasks and methodical recommendations for the SSWT

Implementation Schedule for the SSWT:

№	Tasks for the SSWT*	Implementation form for the SSW	Terms of the SSWT** (academic week)
1	Motion in a centrally symmetric field. Spherical coordinates, decomposition in plane waves.	Report	3
2	Fields in a Medium.	Report	5
3	Reflection and Refraction.	Report	7
4	Paradoxes in Quantum Mechanics. Schrodinger Cat. EPR Einstein, Podolsky, Rosen Paradox.	Report	9
5	Compton Scattering, the formation of electron-positron pairs.	Report	11
6	Quantum numbers. Parity. C, P and T transformations.	Report	13
7	Inflation, Supersymmetry, Superstrings	Report	15