Plan research work of the Department of Physics for the 2024-2025 academic year

N	. Name of the work		Performers	Perform
	. Name of the work	Deadlines	Performers	
О		Completion		ers of
		dates		
1	the Mark on completion 1 R & D implementation:	01.09.2024-		
	Initiative topics:	30.06.2025		
	1.1 Spatial structure and conformational characteristics of	30.06.2025	Turdybekov D. M.	
	alkaloid derivatives			
	1.2 Computer simulation of electro-optical measurements of		Yasinsky V. B.	
	pre-breakdown electric fields in water			
	1.3 Energy transformations in crystals and complex organic			
	molecules		Mazhenov N. A.	
	molecules			
2	Participation in competitions for state budget financing:	01.09.2024-		
	- "Spatial structure and stereochemistry of	30.06.2025.		
	derivatives of quinolysin alkaloids and sesquiterpenoids	30.06.2025	Turdybekov D. M.	
	- · ·			
	of the guaiane series"–			
	- "Computer modeling of electro-optical measurements of		Kuznetsova Yu. A.	
	pre-breakdown electric fields in liquids"			
3	Publications of research results:	30.06.2025	PPS	
	3.1 Prepare 8 articles,	30.06.2025		
	including 4 in journals included in			
	the Web of Science and Scopus databases;			
	COXNVO – 4			
	3.2 Take part in conferences:			
	international – 5;			
	republican-5.01.09.2024-			
4	Inventive activity:	30.06.2025	Teaching staff	
	4.1 Submission of applications for IC-5 01.09.2024-	PPP		
6	International cooperation:	01.09.2024-	Turdybekov D. M.	
	6.1 Cooperation with the Novosibirsk Institute of Organic	30.06.2025	Mazhenov N.	
		30.06.2025	A. Kuznetsova	
	Chemistry.Vorozhtsova street.	50.00.2025	Yu.A.	
	6.1. Continue cooperation with the Faculty of Power		2 3.11 2.	
	Engineering (PHE) of Novosibirsk State Technical			
	University (NSTU) and the Department of Energy Physics.			
	Conduct joint research in the field of studying pre-breakdown			
	processes in liquids by electro-optical methods and computer			
	modeling methods.			
	6.2. Continue cooperation with the Department of Solid State			
	Optics of St. Petersburg State University. Invite Professor M.			
	B. Smirnov to conduct scientific seminars, lectures and			
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	presentations in the field of modeling the dynamics of			
	complex crystal lattices for teaching staff, undergraduates,			
	undergraduates and doctoral students.			
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