



От _____ № 132

На № _____ от _____

Ethical approval

1.	Full name of PhD student	Yernazarov Tursynbek Iz mukhanovich
2.	Specialty of PhD Program	8D05306 – Physics
3.	Time period of study at PhD Program	2020-2023 years
4.	Theme of the thesis, date of approval	The effects of nonlinear vacuum electrodynamics and general relativity for the passage of the front of electromagnetic waves through the magnetic field of the magnetar, 24.10.2024
5.	Information about scientific supervisor (-s) (Name, title, degree, work position and citizenship)	Aimuratov Y.K., PhD, Senior Lecturer at KazNU named after al-Farabi, Kazakhstan; Toktarbay S., PhD, Senior Lecturer at KazNU named after al-Farabi, Kazakhstan; Moradi R., Associate Professor at ICRANet (International Center for Relativistic Astrophysics Network, Pescara, Italy), Iranian
6.	Objects of study	Dipole magnetic field of a magnetar, gamma-ray burst, magnetar.
7.	Planning, sampling and conducting of study	Violations are not revealed
8.	Dissemination of results or practical implementation	Violations are not revealed
9.	Protection of rights, safety and welfare of research objects	No
10.	Code of approval	IRB- A943
11.	Date of study approval	07.11.2024

Chair of LEC

G. Ussatayeva

Secretary of LEC

M. Shaukharova

