



FACULTY OF SCIENCE

# DEGREE CERTIFICATE

for Doctor of Philosophy

**Vladislav Loktev**

(120595-3652)

has been awarded the degree of Doctor of Philosophy as specified in the Government Decree on University Degrees (794/2004) in the Field of Natural Sciences. The degree was completed in Astronomy.

The graduate has written a doctoral dissertation:

**Analytical techniques for X-ray polarization studies of rapidly rotating neutron stars and black holes**

Turku 18 June 2025

Petriina Paturi  
Dean  
Faculty of Science

