



Institute of Experimental Physics

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Kosice , April 11,2023

## CERTIFICATE

This is to certify that Vasyl Rubish Ph.D., Associate Professor the Department of Theoretical Physics, Uzhhorod National University, Uzhhorod, Ukraine, has completed successfully his scientific and didactic internship in frame of agreement between Uzhhorod National University and Institute of Experimental Physics of Slovak Academy of Sciences( IEP SAS). We confirm that Dr Vasyl Rubish has successfully completed the 180 hours (6 ECTS credits) scientific and didactic internship (from February 27, 2023, to April 07, 2023) at our Institute. The topic of the scientific internship:

*"Quasiclassical approach for the Dirac equation with scalar-vector coupling in quark physics and relativistic theory of decaying states"*

Due to the COVID-2019 pandemic, all research activities of the scientific internship were carried out online (distance form).

During the research internship, Dr Vasyl Rubish, imployed with the scientists from the Institute of Experimental Physics Slovak of Academy of Sciences investigated asymptotic methods for solving Dirac-type equations with a scalar-vector coupling.

The expected outcome of the scientific internship has been met, the improvement of the professional competencies has been achieved.

Natalia Tomasovicova  
head of Department of Magnetism  
at IEP SAS

Peter Kopcansky  
project manager  
leading scientific researcher

