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PUBLIC LECTURE EVALUATION

Masaryk University

Faculty	Faculty of Science
Procedure field	Theoretical Physics and Astrophysics
Applicant	Linus Wulff
Lecture date	October 18, 2022
Lecture topic	Generating new solutions in string theory
Persons present (number)	39 in person + 5 online
Designated evaluators (board members)	prof. Rikard von Unge, Ph.D. (on-site) prof. Carlos Nunez, PhD. (online) prof. Konstantinos Sfetsos, PhD. (online)

The lecture was attended by all members of the habilitation committee as well as by the opponent prof. Arutyunov.

The topic of the habilitation lecture was on Generating new solutions in String Theory using Yang-Baxter deformations. After introducing the most successful theories of the twentieth century, General Relativity and Quantum Mechanics, Dr. Wulff introduced us to the equations of General relativity and their place in String Theory. He then proposed a new formulation of the String equations in terms of a generalized metric in terms of which the solution generating techniques become apparent. Dr. Wulff closed the lecture by connecting his results to other areas such as Integrability, Duality and stringy corrections to the Einstein equations.

There was a lively discussion after the end of the seminar. Questions from the committee, from the opponent that was present and from members of the audience were answered in a satisfactory manner.

Conclusion

The lecture delivered by Linus Wulff, entitled "Generating new solutions in string theory" and delivered as part of the habilitation procedure, **demonstrated** sufficient scholarly qualifications and pedagogical capabilities expected of applicants participating in a habilitation procedure in the field of Theoretical Physics and Astrophysics.

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The lecture took place in a hybrid form at 3 pm on Tuesday, October 18th. The above-mentioned members of the board attended the lecture and provided its evaluation. All designated evaluators are familiar with the text of the evaluation and agree with it.

Date: October 18, 2022

Rikard von Unge   …………………………
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