



FACULTY
OF MATHEMATICS
AND PHYSICS
Charles University

Report on defence of dissertation thesis

Academic year: 2023/2024

Student's name and surname: Mgr. Petr Kotlařík

Student's ID: 63427489

Type of the study programme: doctoral

Study programme: Theoretical Physics, Astronomy and Astrophysics

Study ID: 641258

Title of the thesis: Gravitational sources in the vicinity of black holes

Thesis department: Institute of Theoretical Physics (116. • 32-UTF)

Language of the thesis: English

Language of defence: English

Supervisor: doc. RNDr. Oldřich Semerák, DSc.

Reviewer(s): Eva Hackmann

prof. Patryk Mach

Date of defence: 26.06.2024 **Venue of defence:** Praha

Attempt: regular

Course of the examination: The committee consisted of 5 members (including the chair) -- all members were present for the entire duration of the defense. We also had 1 external referee (Prof. Patryk Mach from Jagellonian University in Krakow) present in person, while the report and questions of the second referee (Dr. Hackman from University of Bremen) were mediated by the chairing member of the committee.

After introducing the committee members and the candidate, the supervisor read his (very positive) evaluation of the candidate and his Thesis. Then the candidate presented the content of their work, which was then followed by questions and reports from the external examiners, and questions from the committee members. All these questions were very confidently and satisfactorily answered by the candidate.

In the closed session of the defense, all committee members agreed that the Thesis is of excellent quality and contains significant novel scientific results. The members voted 5 to 0 in favor of the candidate, who was then told to be awarded the doctoral degree.

Result of defence:	pass (P)	
Chair of the board:	Kubizňák David, doc. Mgr., Ph.D.
Committee members:	Horák Jiří, RNDr., Ph.D.
	Karas Vladimír, prof. RNDr., DrSc.
	Khavkine Igor, doc., Ph.D.
	Semerák Oldřich, doc. RNDr., DSc.