



FACULTY
OF MATHEMATICS
AND PHYSICS
Charles University

Report on defence of dissertation thesis

Academic year: 2023/2024

Student's name and surname: Mgr. Milan Pešta, Ph.D.
Student's ID: 46094040

Type of the study programme: doctoral
Study programme: Theoretical Physics, Astronomy and Astrophysics
Study ID: 664253

Title of the thesis: Illuminating binary star evolution with observed populations and theoretical modeling

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

Language of the thesis: English

Language of defence: English

Supervisor: doc. Mgr. Ondřej Pejcha, Ph.D.

Reviewer(s): Dr. David Jones

Dr. Daniel Stevens

Date of defence: 26.09.2024 **Venue of defence:** Praha
Attempt: regular

Course of the examination: Chair of the committee introduced members of the committee, referees (one of them being present online) and the candidate. He stated that all formal requirements for the defense have been fulfilled. The student presented his results in about 30 minute presentation. The referee reports were read afterwards, both being highly positive. Discussion mostly concerned future work, in which the methods developed by the student should be applied to real observational data. The private discussion of the committee converged quickly to the statement that the student deserves to be honoured by the degree PhD.

Result of defence: pass (P)

Chair of the board: Šubr Ladislav, doc. RNDr., Ph.D.

Committee members: Brož Miroslav, doc. Mgr., Ph.D.

Heinzel Petr, prof. RNDr., DrSc.

Palouš Jan, prof. RNDr., DrSc.

Semerák Oldřich, doc. RNDr., DSc.

Svoboda Jiří, RNDr., Ph.D.

