

PhD open positions at the *International Helmholtz-Weizmann Research School on Multimessenger Astronomy (MM School)*

Application: 23.09.2024 – 03.11.2024

About the school: The school aims at bringing highly qualified and motivated graduate students to the forefront of the field of Multimessenger astronomy through a world-class international training environment. PhD students will work with leading scientists in the field and benefit from their complementary expertise in theory and experiments involving the various messengers. Collaboration between students and researchers at the partner institutions is facilitated through a lively exchange program. The professional training of students includes data science as a supporting component of the school. Furthermore, the school offers a number of individual measures to promote career development. Depending on the location, the PhD will either be earned at the Humboldt-University Berlin, at the University of Potsdam, at the Ruhr-Universität Bochum, at the Friedrich-Alexander Universität Erlangen-Nürnberg or at the Weizmann Institute of Science.

The research field: Multimessenger astronomy, the exploration of the Universe using information from a multitude of cosmic messengers, including electromagnetic radiation, neutrinos and gravitational waves, has led to several groundbreaking discoveries during the last few years with significant contributions from the partner institutions. Through the development of better theoretical understanding, novel ways to combine the data and access to most sensitive instrumentation, members of the school will be optimally trained and positioned in this emerging field.

Partners of the school are DESY, Humboldt-University of Berlin, Potsdam University and Weizmann institute of Science. The Ruhr-University Bochum and the University Erlangen-Nürnberg are the school's associates. The school is receiving significant funding through the Initiative and Networking Fund of the Helmholtz Association.

Admission: Each year 3-5 students from countries around the world are admitted to the school. The earliest date to start the PhD is in spring 2025.

For more information including how to apply go to [www.multimessenger-school.de](http://www.multimessenger-school.de).