

PhD positions in Multimessenger Astronomy

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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 primary location (Germany or Israel), the PhD will either be earned either at the Humboldt-University Berlin, at the University of Potsdam 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 lead 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 and Weizmann institute of Science, as well the Humboldt-University Berlin and University Potsdam. The Ruhr-Universität Bochum and the Friedrich-Alexander Universität 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 approximately 10 students from countries around the world are admitted to the school. The earliest date to start the PhD is in spring 2022.

Application: October 1, 2021 - November 7, 2021.

For more information including how to apply go to www.multimessenger-school.de.

Type of post

PhD studentship

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Session Classification: Offering a position

Track Classification: Scientific Field: MM | Multi-Messenger