

WANTED: PHD STUDENTS

In Theoretical Plasma Physics, Theoretical and Observational Astro- and Astroparticle Physics, Cosmology and Particle Physics at RAPP Center

The RAPP Center is one of the leading institutes in interlinking the fields of Plasma-, Astro- and Particle Physics at the high-energy frontier. We offer an inspiring research environment, in which fundamental insights from plasma and particle physics are used in astrophysical environments for a better understanding.

The **Ruhr Astroparticle and Plasma Physics Center (RAPP Center)*** searches for several PhD students (E13, 75%). The positions will be in the areas of Theoretical Plasma Physics, Theoretical and Observational Astro- and Astroparticle Physics, Cosmology, and Particle Physics.

Research: The advertised positions are offered in this topical spectrum:

- Theoretical description of particle transport and interaction in galactic propagation environments (magnetohydrodynamics, transport equation, ballistic propagation).
- Multimessenger observations of galaxies and transient events
- Synthetic turbulence and particle transport in intermittent fields
- Relativistic reconnection in nuclei of active galaxies
- Measurement and simulation of interaction products at LHCb, IceCube and Auger at the highest energies
- Dark matter in dwarf galaxies and in cosmological surveys

Please find more information on:

<https://www.stellenwerk-bochum.de/jobboerse/wissenschaftlicher-mitarbeiter-mwd-im-rapp-center-2987-h-bochum-210927-493258>

or **contact Julia Tjus (julia.tjus@rub.de)**, director of the RAPP Center

*www.rapp-center.de

Period of employment: 3 years

Application deadline: 22nd October