

Vacancy PhD Position

Measurement of the mass composition of cosmic rays with LOFAR and AERA

Applications are invited for a PhD position in Astroparticle Physics at Radboud University Nijmegen in the Netherlands. The aim of the PhD project is to measure the mass composition of cosmic rays via the radio detection of air showers. The research will be conducted with the LOFAR radio telescope within the LOFAR key science project Cosmic Rays and with the Auger Engineering Radio Array (AERA) at the Pierre Auger Observatory. We are looking for excellent candidates with a masters degree in (astroparticle) physics.

The Department of Astrophysics, is part of the Institute of Mathematics, Astrophysics and Particle Physics. The vibrant department consists of 13 faculty, ~15 postdocs, ~25 PhD students. Research activities focus on high-energy astrophysics, cosmic-rays, gravitational waves, stellar and binary evolution, clusters and the Milky Way.

The successful candidate will obtain a position as a PhD student at Radboud University Nijmegen with a duration of four years. The salary will amount to 2174 EUR/month in the first year and will increase to 2779 EUR/month in the fourth year.

To apply, send a cover letter, CV, and brief research statement to j.horandel@astro.ru.nl. Also please arrange for 2 letters of recommendation (PDF files) to be send directly to j.horandel@astro.ru.nl. Complete applications received by November 15th, 2016 will receive full consideration. We encourage applications from women, racial and ethnic minorities, and individuals with disabilities.