



Applications are invited for a postdoctoral position in computational cosmology at the Center for Theoretical Physics (CTP) PAS in Warsaw, Poland to work in the research project “LUSTRE - Local UniverSe Tests of gRavity and dark Energy” led by prof. Wojciech Hellwing, funded by the Polish National Science Center (NCN). The project will be conducted in an international collaboration and cooperation with the group led by prof. Noam Libeskind from AIP Leibniz Institute in Potsdam.

The successful applicant will contribute to the research program of the Computational Cosmology Group at CTP PAS focusing on designing, conducting and implementing novel tests of theories of Dark Energy and Modified Gravity to be based on observables and properties of the Local Group and the Nearby Universe. The group puts particular emphasis on the development and implementation of dedicated simulation software (N-body and hydro) as well as running and analysing large cosmological computer simulations.

The successful applicant will additionally benefit from the group’s close links with such astronomical consortia as DESI, LSST and KiDS. In addition, the LUSTRE project is conducted in an international collaboration with partners from such institutions as the Institute for Computational Cosmology (Durham University, UK), Leiden Observatory (the Netherlands) and Technion - Israel Institute of Technology (Haifa).

We seek candidates with a Ph.D. degree (awarded no earlier than in 2013*) in astronomy, physics or computational sciences, with experience in N-body cosmological computer simulations and building mock galaxy catalogues. The position will be available for initially two years, with a possible extension for the third year, subject to satisfactory performance.

Interested candidates should send a cover letter, a brief research statement (max. 4 pages), CV, and a publication list in a single pdf file to rekrutacja@cft.edu.pl **with obligatory a consent to process your personal data.**

in the title of the e-mails please add the reference number: WH/01/2020

Applicants should also arrange to have three letters of reference separately sent to the same email address. Applications will be considered when submitted, as the position will remain open until filled. For further information please contact prof. Wojciech Hellwing (hellwing@cft.edu.pl).

More info also on the webpage: <https://whellwing.weebly.com/lustre.html>

The Center for Theoretical Physics of the Polish Academy of Sciences is an equal opportunity employer. Women and members of under-represented groups are particularly encouraged to apply.

* This date can be extended by any period of an official maternity or paternity leave; for details please contact prof. Hellwing.