



ZTF-FCT

Zientzia eta Teknologia Fakultatea
Facultad de Ciencia y Tecnología

*Fisika Teorikoa eta Zientziaren Historia
Saila*

*Dpto. de Física Teórica e Historia
de la Ciencia*

Dra. Ruth Lazkoz Sáez

Leioa, 30th of may of 2017

Recommendation letter for Ms Cecilia Nagy

To whom it may concern,

hereby I present my warm a recommendation letter for Ms Cecilia Nagy a "New National Excellence Program" ÚNKP-17-2-II.

Ms Nagy, as a member of the COST action CANTATA (Cosmology and Astrophysics Network for Theoretical Advances and Training Actions, will pursue some very relevant open problems in Gravitational Physics.

Her theoretical thesis work entitled "Gravitational dynamics in doubly foliable space-times", was awarded with the first prize Extragalactic Astronomy section in the National Student Research Competition in Hungary, and if the fellowship application is successful this research is planned to be extended along the route of preliminary investigations towards applications to gravitational waves and astrophysics.

Other programmed lines of research are analyses of strong-field characteristics and second-order effects of some theoretical gravitational waves scenarios on the one hand, and on the other hand researches on Hordenski modified gravity settings, which make the most generic scalar-tensor gravitational theory with at most second order dynamics for both the metric tensor and the scalar field, and fits perfectly into the objectives of the above mentioned European project.

I strongly believe these contributions will bring major advances along the goals of this project which I have been chairing since 2016.

Yours,





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Dra. Ruth Lazkoz Sáez

Leioa, 8th of may of 2018

Recommendation letter for Ms Cecilia Gergely

To whom it may concern,

it is a great pleasure to support Ms Cecilia Gergely's application to the UNKP-18-2-I call by the New National Excellence Program.

If she is awarded with the funds she will pursue the topic of "Shock-waves in the Horndeski theories compatible with gravitational wave measurements" under the guidance of Prof. Zoltán Keresztes. As all the other specific topics which are of interest to the group lead by Prof. Laszlo Arpad-Gergely at the University of Szeged, it fits perfectly well into the main challenges our action faces towards exploring the opportunities modified gravity may offer to better understand the universe in its large scales as well as the compact objects it hosts.

The group is a crucial asset in our network because of their excellent and high production rate, and we will be very keen to hear of the success of this application.

Yours sincerely,

Chairperson of COST Action CANTATA CA15117