



MPI für extraterrestrische Physik · Postfach 1312 · D-85741 Garching

Prof. Dr. Miguel Alcubierre Moya
Instituto de Ciencias Nucleares
Universidad Nacional Autónoma de México
Ciudad Universitaria, Circuito Exterior S/N
A.P. 70.543
04510 Mexico City
Mexico

Prof. Dr. Thomas Boller

Tel.: +49-89-30000-3883

Fax: +49-89-30000-3404

bol@mpe.mpg.de

<http://www.mpe.mpg.de>

22.02.2018

Letter of reference: Prof. Peter Hess

Dear Prof. Dr. Miguel Alcubierre Moya,

I am writing with reference to the promotion for a “profesor emérito” of Prof. Peter Hess, who is currently a Professor in your department. I am familiar with Prof. Hess’s work primarily through our collaboration on modified theories of general relativity, especially on the pseudo-complex theory, proposed by Prof. Peter Hess and our mentor Prof. Walter Greiner. I first met Prof. Peter Hess in 2009 at FIAS Frankfurt where Prof. Walter Greiner asked both of us to work out observational consequences of the pseudo-complex theory.

It is a great pleasure to recommend Prof. Peter Hess for your consideration for an award “profesor emérito” at the Universidad Nacional Autónoma de México. Peter Hess is one of the world’s leading expert in theoretical physics and one of the few people, who combine skills and fortune in combining theoretical models with physical and astrophysical observations. He is able to utilize those successfully in the strong international scientific competition. On his way he is motivating and training young researchers who follow him. He closely collaborates with young researchers, some of which later make a scientific career of their own. Undoubtedly his greatest achievement and a legacy for all of astrophysics are the development of the pseudo-complex theory, building upon Einstein’s special and general relativity. The new theory of black holes has a significantly increasing, word-wide impact in the astrophysical research of strong gravity. He is certainly one of our most outstanding researchers in his field. I am personally proud, that I am the co-author of one of his most recent papers on “Possible experimental tests of the pseudo-complex General Relativity” and intensive scientific discussion.

Peter Hess is an internationally well respected scientist, who leads a competitive research program of his own. When one looks at his scientific publication record, there is a very characteristic, distinct pattern: a continuous outburst of scientific results resulting in 195 refereed publications, with an impressive number of 1680 citations to his no self-cited refereed papers. The “h-factor” of Peter Hess is 25.

Peter Hess has established outstanding international collaborations, especially with the Institute of Advanced Physics in Frankfurt, with universities in Louisiana, Bonn, Vanderbilt, Cape Town, Giessen and many others. He has organized 26 international and national conferences, is an active panel member at UNAM and has been awarded grants, e.g. from the



‘Deutsche Forschungsgemeinschaft` and the ,Deutscher Akademischer Austauschdienst‘.

Peter Hess is also an excellent student tutor. He also gives brilliant lectures and talks and is always available for student’s needs. I have the pleasure to work with him in the exciting field of strong gravity and could experience myself his professional and outgoing way to interact with scientist from various fields in physics and astrophysics. I think that Peter Hess more than deserves the announced position “profesor emérito” at the Universodad Nacional Autonoma de Mexico: I wholeheartedly support this award and would like to congratulate the University to have him as a staff member.

Best regards

Thomas Boller

Prof. Thomas Boller