



GSI Helmholtzzentrum für
Schwerionenforschung GmbH

Planckstraße 1
64291 Darmstadt
Germany
www.gsi.de

GSI · Planckstraße 1 · 64291 Darmstadt · Germany

Dr. José Robles
Rector de la Universidad Nacional Autónoma de México
04510 México D. F.
Mexico

CEO and Scientific Director

Prof. Dr. Dr. h.c. mult. Horst Stöcker
Chair of the Scientific Board
Telefon +49 6159 71-2648
Fax +49 6159 71-2991
Stoecker@gsi.de

Herewith I would like to propose Dr. Peter O. Hess for the *Premio Universidad Nacional 2012*.

I know Dr. Hess since the 1970's when he was still a student at the *Institute of Theoretical Physics* at the J.W. von Goethe University, Frankfurt (Germany).

Already then he demonstrated to be a brilliant physicist, developing a geometrical model for nuclei and applying group theory. His first publication was on the gradient formula in unitary groups, which permits to calculate complicated matrix elements in an elegant manner. He was the only author! Since then he became internationally recognized for his work on geometrical models of nuclei. In the 1980's he developed a brilliant analytic model for nuclear molecules, which he extended to three clusters end of the 1990's. Since mid of the 1980's he added particle physics to his area of activity and developed various QCD motivated models, which describe very well the Hadron spectrum and also predict various exotic states, which are of interest to the experimental search of such states at the FAIR project at GSI. He continued to work on microscopic models, like the symplectic model of nuclei, in which he gained international reputation. A further demonstration of the tremendous broad spectrum of topics, on which Dr. Hess is working, he developed a very promising pseudo-complex field theory, which is automatically regularized. In the last five years he started to work on extensions of the *Theory of General Relativity* to a pseudo-complex version. The predictions of this theory attracted the attention of an experimental group at the Max Planck Institute of Astrophysics at Garching, Munich, Germany. These predictions will be tested within few years.

That Dr. Hess made important contributions in all the topics mentioned, is a clear indication not only of his universality but also on the great capacities of Dr. Hess to do research.

April 15, 2012

Geschäftsführung:
Professor Dr. Dr. h.c. mult. Horst Stöcker
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Vorsitzende des Aufsichtsrates:
Dr. Beatrix Vierkorn-Rudolph
Stellvertreter:
Ministerialdirigent Dr. Rolf Bernhardt

Sitz: Darmstadt
Amtsgericht Darmstadt HRB 1528

VAT-ID: DE 111 671 917
Landesbank Hessen/Thüringen
BLZ 500 500 00 · Konto 50 01865 004
IBAN DE56 5005 0000 5001 8650 04
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The acquired reputation of his research is also manifest in many invited papers and, for example, the SCOPUS prize he obtained in 2010 and that in 2007 one of his papers was declared as one of the highlights published in J. Phys. G..

Apart of his research, Dr. Hess is also very active in forming many students. Due to his reputation he was invited to be the Director of Master and PhD thesis at the university of Frankfurt. At the moment he is the co-director of three PhD students at Frankfurt. Because of his expertise in particle physics and General Relativity, he got an invitation to visit for a year the laboratory GSI and the FIAS at the university of Frankfurt.

Further proofs of his international reputation are the double recognition as MERCATOR professor, once at the university at Giessen (Germany) and from 2006 to 2007 at the university of Frankfurt (Germany). Also his numerous invitations to conferences and universities all over the world is a proof of his international recognition.

To conclude, I highly recommend Dr. Peter O. Hess for the *Premio Universidad Nacional 2012*, he is an ideal candidate for this prize!

Yours sincerely

A handwritten signature in black ink, which appears to read 'Horst Stöcker'.

Horst Stöcker