-----Ursprüngliche Nachricht-----
From: Michael Schmiechen
Sent: Thursday, January 14, 2016 4:36 PM
To: Andrea de Marchi ; Barry Wood ; Gary Gibbons ; Jens Gundlach ;
Stephan Schlamminger
Subject: 'Constant' of gravitation not 'universal'

Dear colleagues,

triggered by the news in Nature 514 (2015) Dec. 02, 150-151 on 'Gravity rivals join forces to nail down Big G: Metrologists meet to design the ultimate gravitational-constant experiment' by Elizabeth Gibney, 08 October 2014, I dare to refer you, experts mentioned in the paper quoted and found elsewhere, to my much earlier work on the 'constant' of gravitation.

From your point of view I may look like an 'outsider', but from my point of view I am an 'insider', from 1997 thru 2009 having undertaken a rational reconstruction of classical mechanics after forty years of daily practice ab ovo and reflection in the light of epistemology. Already in 2001 I have submitted the paper attached on 'The missing link: classical mechanics' to the Editor of the Scientific American, referring to the fact, that classical mechanics and its implications are widely unknown and/or definitely not understood.

Also attached please find a copy from the second edition of my opus magnum, bibliographical details in PS 3. Note the explicit reference on page 185 to the fact, that according to my model of the constant of gravitation, being a macroscopic property of ponderable matter, the phenomenological parameter, alias 'constant', of gravitation is to be expected to differ 'very slightly' for different 'species' of ponderable matter. In my opus I explicitly stated (2009/185:17-20):

“This standard particle model of the structure of nucleons, not a mechanistic model, is a very close, not so say a perfect analogue of the global model [of solid (!) body dynamics] , first described by the author right before he stumbled over a pictorial sketch of the structure of protons [just published] (Klanner, 2001)*. The details and the minute differences between protons and neutrons will become of interest to physicist as soon as they can measure the constant of gravity with the precision necessary.”
* Klanner (2001), Robert: Das Innenleben des Protons. Spektrum der Wissenschaft (2001) 3, 62-68.

My detailed remarks of 2009 on the structure of matter are to be found in my opus magnum in Section 14.6 attached (2009/841-856), remarks concerning the incredibly vague (!) 'theoretical' speculations on the 'constant' of gravitation in the final Sub-Section 14.6.8. Please note, that since 2009 I have of course learned many more lessons and thus in the third edition of my opus many remarks will have to be updated, improved and even corrected.

In the meantime having provided a detailed draft revision of the standard DIN 1313 'Grössen' on the concept of 'magnitudes', in English misleadingly called 'quantities', although most of them are not quantities proper, I am currently revisiting classical proto-mechanics triggered by various 'events' on the occasion of the centenary of Einstein's theory of general relativity.

As documented in the 'News flash' on my website my recent requests for assistance in finding experts concerning the theory of the 'constant' of gravitation have not been answered by the directors of large, prominent institutes dedicated to the physics (!) of gravity, among them AEI/MPIGP at Potsdam/Golm and ZARM at Bremen. Maybe you know workers in the field, who may rigorously discuss my solidly founded approach.

With many thanks for your kind attention
yours, Michael Schmiechen.

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PS 1. Details concerning my person and my work are to be found on my website.

PS 2. As usual I shall publish this letter of general interest on my website, which according to the DNB law of 2006 is a publication proper and is thus now permanently archived by Deutsche Nationalbibliothek (DNB).

PS 3. Bibliographical details of my opus magnum:
Schmiechen (2009), Michael: Newton's Principia and related 'principles' revisited. Classical dynamics reconstructed in the spirits of Goethe, [Aristotle,] Euler and Einstein. Elementary mMechanics from an advanced standpoint and vice versa. Second edition of work in progress in three volumes [totalling 1400+ pages, individually available as paperbacks and e-books]. Berlin, Summer 2009.
Volume 1: Meta- and proto-mechanics.
Volume 2: Elementary and local mechanics.
Volume 3: Global and propulsion mechanics.

Publisher: Books on Demand GmbH, Norderstedt.