

## **CHALLENGE Phys. Rev. Lett. and Phys. Rev. B**

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Data: 22 lipca 2009, 10:44:31

Temat: Radwanski-scientific discrimination:Physical Review and Physical  
Review Letters

Pliki: APS-22-07-2009-podp.pdf, LCK1051-sc-Radwanski-PRL98v2CF.pdf,  
LUK1036-sc-220708.pdf, BTK1007-sc-Radwanski-CFr2-scPRB.pdf

From: R.J. Radwanski

Krakow, 22 July 2009

To: Prof. C. A. Murray, President of APS

Dear President of American Physical Society,

Dear Professor,

Please find included official letters about unscientific treatment, scientific  
discrimination and manipulation of Physics by Editors of Phys. Rev. Lett. and  
Phys. Rev. B.

Official letter and 3 Comments are attached.

I challenge the Phys. Rev. Lett. and Phys. Rev. B.

I ask You to guarantee scientific rules for this scientific  
challenge.

Sincerely Yours,

Ryszard RADWANSKI

Attached: official letter + 3 Comments:

LCK1051 - see p.1, Acta Physica **31-32 (2009)**

LUK1036 - see p.3, Acta Physica **31-32 (2009)**

BTK1007 - see p.5, Acta Physica **31-32 (2009)**



**Ryszard RADWANSKI**  
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Krakow, 2009.07.22

**President of the American Physical Society**  
**Prof. Cherry A. Murray**

**Dear President,**  
**Dear Professor,**

Thank You very much for Your answer of July 8 and July 20, 2009 on my official information of July 7, 2009 where I have informed You about unscientific treatment by Editors of Phys. Rev. Lett. and Phys. Rev. B associated with continuous rejections of submitted Comments.

**I cannot accept Your tolerance for violation of basic scientific rules, discrimination and manipulation of Physics by the Editors. The publication of Comments is the obvious scientific duty of each scientific journal.**

Thus, **I scientifically CHALLENGE Phys. Rev. Lett. and Phys. Rev. B** with respect to theoretical description of magnetic and electronic structure of compounds containing 3d, 4f and 5f compounds. In particular, about origin of heavy-fermion phenomena ( $\text{YbRh}_2\text{Si}_2$ ,  $\text{UPd}_2\text{Al}_3$ , ...), the description of the magnetism and the electronic structure of 3d compounds. I underline the importance of the crystal field, strong on-site electron correlations, the spin-orbit coupling and the orbital magnetism. My approach, according to me standard but continuously rejected by the Editors, named Quantum Atomistic Solid State Theory, QUASST, correlates macroscopic properties of a compound with discrete atomic-like electronic structure of involved 3d/4f/5f atoms. QUASST unifies the atomic physics with the solid-state physics. Thus, according to me, a theoretical description of any compound should start from the evaluation of crystal-field interactions.

In Comments, let mention the last (attached to this email):

LCK1051: Comment on PRL 98 (2007)196404 ``Metal-ligand interplay in strongly correlated..''

LUK1036: Comment on PRL 100 (2008) 206401 ``Revisiting the valence-band and core-level..''

BTK1007: Comment on PRB 75 (2007) 233417 ``Surface .. NiO..''

I have proven erroneous description of NiO (and others like  $\text{LaCoO}_3$ ) published in Phys.Rev.Lett. and PRB. These commented paper have published the erroneous strength of the CEF interactions in NiO and value of the magnetic moment. The used strength of the CEF interactions in NiO is 3-10 times too small. A value of the magnetic moment does not contain orbital moment.

Dear President.

Please **guarantee the honest conditions for this scientific challenge.**

I still will submit Comments pointing out errors in Phys. Rev. Lett. and Phys. Rev. B with copies to the President of APS.

Owing to the fundamental scientific controversy I will try to inform the magnetic community publicly about the unscientific treatment and the manipulation of Physics by the Editors of Phys. Rev. Lett. and Phys. Rev. B.

Sincerely Yours,  
Ryszard Radwanski

From: R. J. Radwanski  
rjradwanski@gmail.com, sfradwan@cyf-kr.edu.pl  
To: President of APS,  
Prof. C. Murray/Cherry A. Murray <camurray@seas.harvard.edu>  
Data: 15 lipca 2009, 10:07:27  
Topic: Scientific rules- Radwanski-Physical Review Letters/Physical Review B  
Copy: Gene Sprouse <sprouse@ridge.aps.org>, franz@aps.org

Dear President,

Thank You very much for Your fast answer, by email of 8 July as attached below, to my officials letters, sent as attachments to email of 7.07.2009 to President of APS.

Please be so kind to write Your answer officially, i.e. in the form of the official letter. Such official letter can be sent by post or, simpler, attached to the email.

Sincerely Yours,

Ryszard RADWANSKI

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20-07-2009

From/Od: Moriah Freeman <mfreeman@seas.harvard.edu>  
To/Do: rjradwanski@gmail.com <rjradwanski@gmail.com>  
Data: 20 lipca 2009, 17:44:53  
Temat: Physical Review and Physical Review Letters

Dear Dr. Radwanski:

As stated in our email communication of 8 July, Dr. Murray is not in a position to provide further consideration or action on your submissions to Physical Review and Physical Review Letters. We will refer any future correspondence and inquiries to the APS Editorial Office.

Please consider, as we do, the email communication of 8 July to be the official response to your inquiry.

Yours sincerely,  
Moriah Freeman  
Executive Assistant on behalf of Cherry Murray

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