



Dimi Chakalov &lt;dchakalov@gmail.com&gt;

## Unlimited clean energy from modified gravity

Dimi Chakalov &lt;dchakalov@gmail.com&gt;

Wed, Oct 26, 2022 at 5:58 PM

To: lhe31@jhu.edu, jluk@stanford.edu, demetri.christodoulou@math.ethz.ch, zhangjy9610@vip.qq.com, lindblad@math.jhu.edu, irod@princeton.edu, christopherjkauffman@gmail.com, dan.ginsberg@gmail.com, seri@math.princeton.edu, misi@flatironinstitute.org, will.farr@stonybrook.edu, bailey.sykes@monash.edu, alex.jenkins@ucl.ac.uk, aditya.vijaykumar@icts.res.in, kaloper@physics.ucdavis.edu, huyiming@mail.sysu.edu.cn, mairi.sakellariadou@kcl.ac.uk, yo@thp.uni-koeln.de, gaztanaga@gmail.com, korol@star.srbham.ac.uk, andrea.valle@unito.it, hubsch@howard.edu, vivian.i.sabla.gr@dartmouth.edu, maciek.wielgus@gmail.com, debora.lancova@pf.slu.cz, s.pereira@unesp.br, amvfisico@gmail.com, jf.jesus@unesp.br, holandarfl@fisica.ufrn.br, zs8479@princeton.edu, rita.t.costa@princeton.edu, cr4482@princeton.edu, egiorgi@princeton.edu, fpretori@princeton.edu, yshlapen@princeton.edu, dafermos@math.princeton.edu, burrows@astro.princeton.edu, sgiombi@princeton.edu, jeremy@astro.princeton.edu, aionescu@math.princeton.edu, klebanov@princeton.edu, quataert@princeton.edu, anatoly@princeton.edu, verlinde@princeton.edu, steinh@princeton.edu, jstone@astro.princeton.edu, hansr@kth.se, hand@chalmers.se, todd.oliynyk@monash.edu, jeremie.joudioux@aei.mpg.de, ettore.minguzzi@unifi.it, carlip@physics.ucdavis.edu, macdonal@luther.edu, yraptis@central.ntua.gr, anastop@physics.upatras.gr, piotr.chrusciel@univie.ac.at, florian.bonell@univie.ac.at, david.fajman@univie.ac.at, thomas.mieling@univie.ac.at, maximilian.ofner@univie.ac.at, mateja.gosenca@univie.ac.at, stefan.palenta@univie.ac.at, f.steiningger@univie.ac.at, svozil@tuwien.ac.at, michele.maggiore@unige.ch, zhaoyanwu2000@yahoo.com, norbert.straumann@gmail.com, jacobson@umd.edu, joergf@maths.otago.ac.nz, vrovenski@univ.haifa.ac.il, yuyuetony@gmail.com, deepthought@asu.edu, michal.p.heller@aei.mpg.de, gerhard.heinzel@aei.mpg.de, georgi.dvali@physik.uni-muenchen.de, andreas.doering@fau.de, erik@strangebeautiful.com, rteams@esi.ac.at, gary@physics.ucsb.edu, galloway@math.miami.edu, laan@aei.mpg.de, dmalamen@uci.edu, cmchen@phy.ncu.edu.tw, nester@phy.ncu.edu.tw, tod@maths.ox.ac.uk, H.S.Reall@damtp.cam.ac.uk, hvanelst@karlshochschule.de, baez@math.ucr.edu, geroch@uchicago.edu, b.j.carr@qmul.ac.uk, teta@mat.uniroma1.it, helfera@missouri.edu, schoen@math.stanford.edu, stefan.hollands@itp.uni-leipzig.de, c.isham@imperial.ac.uk, s.hartmann@lmu.de, charles.torre@usu.edu, kuchar@physics.utah.edu, hohanian@uvm.edu, giulini@itp.uni-hannover.de, pollack@uw.edu, psjcosmos@gmail.com, goswami@ukzn.ac.za, info@copernicuscenter.edu.pl, grideoutjr@aol.com, josemm.senovilla@ehu.es, matt.visser@msor.vuw.ac.nz, vpetkov@minkowskiinstitute.org, john.stachel@gmail.com, david\_brown@ncsu.edu, damour@ihes.fr, landsman@math.ru.nl, johnmlee@uw.edu, mtwang@math.columbia.edu, patrick-duerr@gmx.de, gpe@ast.cam.ac.uk, mph@mrao.cam.ac.uk, a.n.lasenby@mrao.cam.ac.uk, FGS@weizmann.ac.il

Dear colleagues,

I would like to inform you about my project for producing electricity with modified gravity: please see the drawing attached and check out <http://chakalov.net/Newton.pdf>

Will be happy to elaborate.

Kind regards,

D. Chakalov  
<http://chakalov.net/#reports>



My proposal for producing unlimited electricity is based on gravitational rotation, as gravity can rotate a whole galaxy in 200c. Just spin the steam turbine rotors in the power plants with spacetime engineering. There is no need for water supply, heat, nor coal or poisonous nuclear fuel. Is this possible? Why not?

proposal.jpg  
67K



Dimi Chakalov &lt;dchakalov@gmail.com&gt;

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**Re: The Fifth Force**

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Dimi Chakalov &lt;dchakalov@gmail.com&gt;

Sun, Sep 25, 2022 at 5:45 PM

To: yraptis@central.ntua.gr, anastop@physics.upatras.gr, ksavvidou@upatras.gr, piotr.chrusciel@univie.ac.at, florian.bonell@univie.ac.at, david.fajman@univie.ac.at, thomas.mieling@univie.ac.at, maximilian.ofner@univie.ac.at, mateja.gosenca@univie.ac.at, stefan.palenta@univie.ac.at, f.steininger@univie.ac.at, svozil@tuwien.ac.at, michele.maggiore@unige.ch, zhaoyanwu2000@yahoo.com, norbert.straumann@gmail.com, jacobson@umd.edu, joergf@maths.otago.ac.nz, vrovenski@univ.haifa.ac.il, yuyuetony@gmail.com, deepthought@asu.edu, michal.p.heller@aei.mpg.de, gerhard.heinzel@aei.mpg.de, georgi.dvali@physik.uni-muenchen.de, andreas.doering@fau.de, erik@strangebeautiful.com, hand@chalmers.se, rteams@esi.ac.at, gary@physics.ucsb.edu, galloway@math.miami.edu, laan@aei.mpg.de, dmalaman@uci.edu, cmchen@phy.ncu.edu.tw, nester@phy.ncu.edu.tw, tod@maths.ox.ac.uk, seri@math.princeton.edu, H.S.Reall@damtp.cam.ac.uk, hvanelst@karlshochschule.de, baez@math.ucr.edu, geroch@uchicago.edu, b.j.carr@qmul.ac.uk, teta@mat.uniroma1.it, gfrellis@gmail.com, helfera@missouri.edu, schoen@math.stanford.edu, stefan.hollands@itp.uni-leipzig.de, c.isham@imperial.ac.uk, s.hartmann@lmu.de, charles.torre@usu.edu, kuchar@physics.utah.edu, hohanian@uvm.edu, giulini@itp.uni-hannover.de, psjcosmos@gmail.com, goswami@ukzn.ac.za, genzel@mpe.mpg.de, unruh@physics.ubc.ca, xzhang@amss.ac.cn, janusz.garecki@usz.edu.pl, info@copernicuscenter.edu.pl, grideoutjr@aol.com, josemm.senovilla@ehu.es, matt.visser@msor.vuw.ac.nz, vpetkov@minkowskiinstitute.org, john.stachel@gmail.com, david\_brown@ncsu.edu, damour@ihes.fr, landsman@math.ru.nl, FGS@weizmann.ac.il, ilan.lampl@weizmann.ac.il, gilad.perez@weizmann.ac.il, ziv.reich@weizmann.ac.il, ron.milo@weizmann.ac.il, eli.waxman@weizmann.ac.il, elad.schneidman@weizmann.ac.il, elisha.moses@weizmann.ac.il, adiel.stern@weizmann.ac.il, kfir.blum@weizmann.ac.il, doron.kushnir@weizmann.ac.il, boaz.katz@weizmann.ac.il, barak.zackay@weizmann.ac.il, avishay.galyam@weizmann.ac.il, pollack@uw.edu, Claudio Cazorla <claudio.cazorla@upc.edu>, Ralf Metzler <rmetzler@uni-potsdam.de>, Thomas Beyer <thomas.beyer@meduniwien.ac.at>, Marcel Filoche <marcel.filoche@polytechnique.edu>, Jan De Boer <j.deboer@uva.nl>, Jasper Van Der Gucht <jasper.vandergucht@wur.nl>, Raul Arenal <arenal@unizar.es>, Georgios Balasis <gbalasis@noa.gr>, Andrea Bassi <andrea1.bassi@polimi.it>, Hendrick Bethlem <h.l.bethlem@vu.nl>, Pascal Brault <pascal.brault@univ-orleans.fr>, Irene Buvat <irene.buvat@curie.fr>, Rudolf von Steiger <vsteiger@issibern.ch>

P.S. Read p. 11 (last) at <http://chakalov.net/text.pdf>  
or watch <http://chakalov.net/YES.mp4> (85sec).

D. Chakalov  
<http://chakalov.net/#reports>

On Wed, Jun 8, 2022 at 2:51 PM, Dimi Chakalov <dchakalov@gmail.com> wrote:  
[snip]



Dimi Chakalov &lt;dchakalov@gmail.com&gt;

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**Re: Physics for mathematicians**

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Dimi Chakalov &lt;dchakalov@gmail.com&gt;

Wed, Sep 14, 2022 at 10:38 AM

To: zhaoyanwu2000@yahoo.com, pollack@uw.edu, xzhang@amss.ac.cn, nester@phy.ncu.edu.tw, kuchar@physics.utah.edu, unruh@physics.ubc.ca, norbert.straumann@gmail.com, helfera@missouri.edu, baez@math.ucr.edu, c.isham@imperial.ac.uk, hohanian@uvm.edu, erik@strangebeautiful.com, geroch@uchicago.edu, matt.visser@msor.vuw.ac.nz, gfrellis@gmail.com, john.stachel@gmail.com, b.j.carr@qmul.ac.uk, rmwa@uchicago.edu, piotr.chrusciel@univie.ac.at, mtwang@math.columbia.edu, giulini@itp.uni-hannover.de, josemm.senovilla@ehu.es, david\_brown@ncsu.edu, joergf@maths.otago.ac.nz, gary@physics.ucsb.edu, galloway@math.miami.edu, laan@aei.mpg.de, dmalaman@uci.edu, cmchen@phy.ncu.edu.tw, tod@maths.ox.ac.uk, seri@math.princeton.edu, H.S.Reall@damtp.cam.ac.uk, hvanelst@karlshochschule.de, schoen@math.stanford.edu, stefan.hollands@itp.uni-leipzig.de, landsman@math.ru.nl, jacobson@umd.edu, FGS@weizmann.ac.il

Cc: John M Lee <johnmlee@uw.edu>

P.S. It is \*mathematically\* impossible to “remove” the ambient infinite-dimensional Euclidean space in which all manifolds live: read p. 11 and p. 19 (last) in <http://chakalov.net/talk.pdf>

John M. Lee claims he can do that (Introduction to Topological Manifolds, 2010, pp. 19-20), only he failed to explain. Can you help your colleague to eventually construct some "Hausdorff manifold"? <https://www.youtube.com/watch?v=QuWMSwclxN0&t=81s>

D.C.

On Sun, Sep 11, 2022 at 3:55 PM, Dimi Chakalov <dchakalov@gmail.com> wrote:

>  
> Check out the last page in  
> <http://chakalov.net/talk.pdf>  
>  
> D. Chakalov  
> <http://chakalov.net/#reports>

**John M. Lee, *Introduction to Topological Manifolds*, 2010, p. 19:**

In this chapter we begin our study in earnest. The first order of business is to build up enough machinery to give a proper definition of manifolds. The chief problem with the provisional definition given in Chapter 1 is that it depends on having an “ambient Euclidean space” in which our  $n$ -manifold lives. This introduces a great deal of extraneous structure that is **irrelevant to our purposes**. Instead, we would like to view a manifold as a mathematical object in its own right, not as a subset of some larger space. The key concept that makes this possible is that of a *topological space*.

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Can you paint a picture without a canvas?

D. Chakalov



Dimi Chakalov &lt;dchakalov@gmail.com&gt;

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## Re-interpretation of "negative mass"

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Dimi Chakalov &lt;dchakalov@gmail.com&gt;

Thu, Sep 8, 2022 at 4:04 AM

To: zhaoyanwu2000@yahoo.com, xzhang@amss.ac.cn, nester@phy.ncu.edu.tw, cmchen@phy.ncu.edu.tw, kuchar@physics.utah.edu, unruh@physics.ubc.ca, norbert.straumann@gmail.com, helfera@missouri.edu, baez@math.ucr.edu, janusz.garecki@usz.edu.pl, c.isham@imperial.ac.uk, hohanian@uvm.edu, giulini@itp.uni-hannover.de, josemm.senovilla@ehu.es, david\_brown@ncsu.edu, joergf@maths.otago.ac.nz, svozil@tuwien.ac.at, erik@strangebeautiful.com, geroch@uchicago.edu, matt.visser@msor.vuw.ac.nz, gfrellis@gmail.com, john.stachel@gmail.com, b.j.carr@qmul.ac.uk, rmwa@uchicago.edu, mtwang@math.columbia.edu, patrick-duerr@gmx.de, gpe@ast.cam.ac.uk, mph@mrao.cam.ac.uk, a.n.lasenby@mrao.cam.ac.uk

See attached. More on p. 10 (last) in  
<http://chakalov.net/text.pdf>

D. Chakalov  
<http://chakalov.net/#reports>

On Mon, Nov 15, 2021 at 1:18 PM, Dimi Chakalov <dchakalov@gmail.com> wrote:

>  
> Dear Colleagues,  
>  
> I believe have discovered the fifth force. It works in all quantum and  
> gravitational systems, as well as in all living organisms, including  
> your brain.  
[snip]

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Excerpt from p. 5 in *Physics of Life: The Fifth Force* at [chakalov.net/history.pdf](http://chakalov.net/history.pdf)

There is no chance for “runaway motion”, because the so-called “negative mass” occupies the potential future (“carrot”) in the *atom of geometry* <sup>[4]</sup>. See the so-called *evolution equation* at p. 28 in *The Physics of Life* [here](#).

In brief, instead of searching for some brand new *physical* field to play the role of a ‘two-way mediator’ (p. 1) that *interacts* with the brain (photo 2), we tweak the mantra ‘only matter can interact with matter’ by suggesting that matter can interact with *itself*, by the *self-acting* (Sic!) Fifth Force <sup>[4]</sup>. Thus, the Fifth Force is the origin of *gravitalized energy* as well. *Voila*.



Dimi Chakalov <dchakalov@gmail.com>

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## General Relativity in a Nutshell, by Alan Macdonald (October 2, 2017)

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Dimi Chakalov <dchakalov@gmail.com>

Wed, Aug 17, 2022 at 4:24 PM

To: Alan Macdonald <macdonal@luther.edu>

Cc: pollack@uw.edu, yraptis@central.ntua.gr, anastop@physics.upatras.gr, ksavvidou@upatras.gr, piotr.chrusciel@univie.ac.at, florian.bonell@univie.ac.at, david.fajman@univie.ac.at, thomas.mieling@univie.ac.at, maximilian.ofner@univie.ac.at, mateja.gosenca@univie.ac.at, stefan.palenta@univie.ac.at, f.steining@univie.ac.at, svozil@tuwien.ac.at, michele.maggiore@unige.ch, zhaoyanwu2000@yahoo.com, norbert.straumann@gmail.com, jacobson@umd.edu, joergf@maths.otago.ac.nz, vrovenski@univ.haifa.ac.il, yuyuetony@gmail.com, deepthought@asu.edu, michal.p.heller@aei.mpg.de, gerhard.heinzel@aei.mpg.de, georgi.dvali@physik.uni-muenchen.de, andreas.doering@fau.de, erik@strangebeautiful.com, hand@chalmers.se, rteams@esi.ac.at, gary@physics.ucsb.edu, galloway@math.miami.edu, laan@aei.mpg.de, dmalaman@uci.edu, cmchen@phy.ncu.edu.tw, nester@phy.ncu.edu.tw, tod@maths.ox.ac.uk, seri@math.princeton.edu, H.S.Reall@damtp.cam.ac.uk, hvanelst@karlshochschule.de, baez@math.ucr.edu, geroch@uchicago.edu, b.j.carr@qmul.ac.uk, teta@mat.uniroma1.it, gfrellis@gmail.com, helfera@missouri.edu, schoen@math.stanford.edu, stefan.hollands@itp.uni-leipzig.de, c.isham@imperial.ac.uk, s.hartmann@lmu.de, charles.torre@usu.edu, kuchar@physics.utah.edu, hohanian@uvm.edu, giulini@itp.uni-hannover.de, psjcosmos@gmail.com, goswami@ukzn.ac.za, genzel@mpe.mpg.de, unruh@physics.ubc.ca, xzhang@amss.ac.cn, janusz.garecki@usz.edu.pl, info@copernicuscenter.edu.pl, grideoutjr@aol.com, josemm.senovilla@ehu.es, matt.visser@msor.vuw.ac.nz, vpetkov@minkowskiinstitute.org, john.stachel@gmail.com, david\_brown@ncsu.edu, damour@ihes.fr, landsman@math.ru.nl, FGS@weizmann.ac.il

Dear Dr. Macdonald ,

May share two comments. You wrote at p. 57:

"The  $r = 2m$  surface is called the (event) horizon of the black hole."

Do you know that the "event horizon" is crap? See

[http://www.god-does-not-play-dice.net/WH\\_BH.jpg](http://www.god-does-not-play-dice.net/WH_BH.jpg)

p. 71: "Dark matter neither emits nor absorbs electromagnetic radiation (hence its name)." p. 74: "The discovery of dark energy caused a sensation." p. 78: "The most unsatisfactory feature of general relativity is its conception of matter."

Read <http://chakalov.net/text.pdf>

All the best,

Dimi Chakalov

<http://chakalov.net/#reports>



Dimi Chakalov <dchakalov@gmail.com>

## The so-called GW150914 is FRAUD.

Dimi Chakalov <dchakalov@gmail.com>

Sat, Aug 13, 2022 at 1:08 PM

To: allenkc@mit.edu, wclavin@caltech.edu, mlandry@caltech.edu, giaime@caltech.edu, lsc-spokesperson@ligo.org, outreach@ligo-wa.caltech.edu, dhs@ligo.mit.edu

Ladies and Gentlemen:

See attached an excerpt from p. 7 (last) in  
<http://chakalov.net/text.pdf>

Yes, GW150914 is FRAUD.

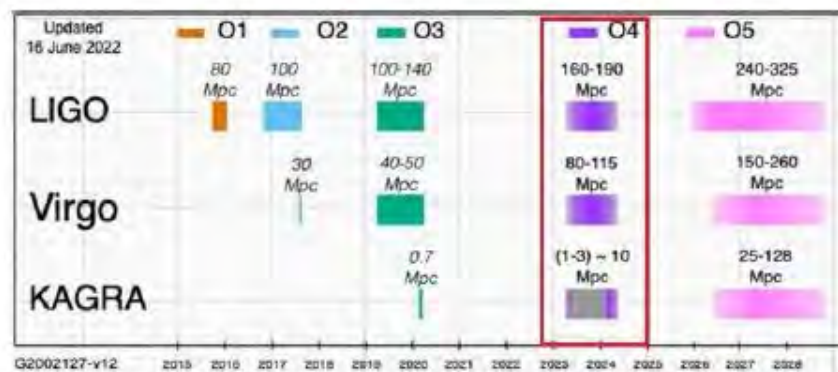
D. Chakalov

<http://chakalov.net/#reports>

p\_7.jpg

69K

Can the LIGO experts convert “gravitons” into gamma-ray bursts? The first failure to suggest some coupling of gravity to EM field was in 1914. No way.



LIGO News, June 17, 2022: O4 will begin in March 2023. It is expected to last **one full year**. The three “runs” so far, O1 - O3, showed no “gravitational-wave signals” (arXiv: 2103.08520v4, 15 March 2021). None. Zilch.



Dimi Chakalov &lt;dchakalov@gmail.com&gt;

## Re: The so-called GW150914 is FRAUD.

Dimi Chakalov <dchakalov@gmail.com>

Sat, Aug 13, 2022 at 12:28 PM

To: weiss@ligo.mit.edu, kip@caltech.edu, barish@ligo.caltech.edu, joan.centrella@mail.wvu.edu, michael.zucker@ligo.org, schutzbf@cardiff.ac.uk, rana@caltech.edu, rana.adhikari@ligo.org, question@ligo.org, lscspokesperson@ligo.org, outreach@ligo-wa.caltech.edu, kholt@ligo-la.caltech.edu, giaime@caltech.edu, mlandry@caltech.edu, wclavin@caltech.edu, allenkc@mit.edu, ajw@caltech.edu, nsych@caltech.edu, joann@caltech.edu, dreitze@caltech.edu, mjudd@kiss.caltech.edu, gxh@ipac.caltech.edu, srk@astro.caltech.edu, angela.borchers@ligo.org, wolfgang.kastaun@ligo.org, benjamin.knispel@ligo.org, nv.krishnendu@ligo.org, frank.ohme@ligo.org, alessandra.buonanno@ligo.org, jonathan.gair@ligo.org, harald.pfeiffer@ligo.org, michael.katz@ligo.org, steffen.grunewald@ligo.org, otto.hannuksela@ligo.org, tjonnie.li@ligo.org, chunfung.wong@ligo.org, szabolcs.marka@ligo.org, zsuzsanna.marka@ligo.org, jordan.camp@ligo.org, stuart.anderson@ligo.org, lisa.barsotti@ligo.org, aidan.brooks@ligo.org, katerina.chatziioannou@ligo.org, betsy.weaver@ligo.org, patrickduerr@gmx.de, gpe@ast.cam.ac.uk, mph@mrao.cam.ac.uk, a.n.lasenby@mrao.cam.ac.uk

P.S. See an excerpt (attached) from p. 7 in

<http://chakalov.net/text.pdf>

Yes, GW150914 is FRAUD.

More from Kip Thorne at

[http://chakalov.net/p\\_9.jpg](http://chakalov.net/p_9.jpg)

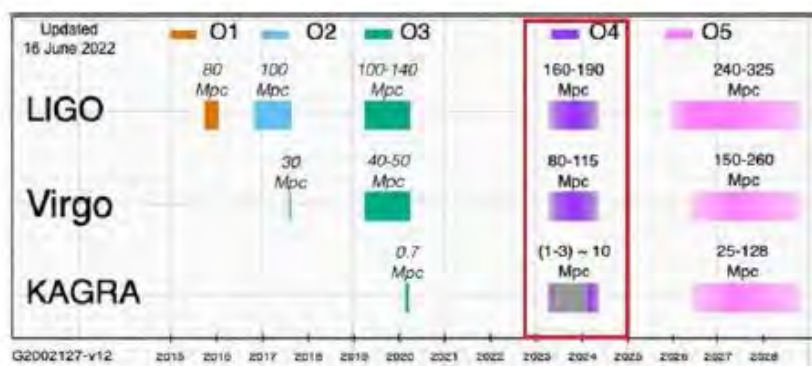
D. Chakalov

<http://chakalov.net/#reports>

On Mon, Feb 14, 2022 at 4:44 AM, Dimi Chakalov <dchakalov@gmail.com> wrote:

[snip]

Can the LIGO experts convert “gravitons” into gamma-ray bursts? The first failure to suggest some coupling of gravity to EM field was in 1914. No way.



LIGO News, June 17, 2022: O4 will begin in March 2023. It is expected to last one full year. The three “runs” so far, O1 - O3, showed no “gravitational-wave signals” (arXiv: 2103.08520v4, 15 March 2021). None. Zilch.



Dimi Chakalov &lt;dchakalov@gmail.com&gt;

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**Re: The Fifth Force**

---

**Dimi Chakalov** <dchakalov@gmail.com>

Fri, Aug 5, 2022 at 2:08 PM

To: yraptis@central.ntua.gr, anastop@physics.upatras.gr, ksavvidou@upatras.gr, piotr.chrusciel@univie.ac.at, florian.bonell@univie.ac.at, david.fajman@univie.ac.at, thomas.mieling@univie.ac.at, maximilian.ofner@univie.ac.at, mateja.gosenca@univie.ac.at, stefan.palenta@univie.ac.at, f.steininger@univie.ac.at, svozil@tuwien.ac.at, michele.maggiore@unige.ch, zhaoyanwu2000@yahoo.com, norbert.straumann@gmail.com, jacobson@umd.edu, joergf@maths.otago.ac.nz, vrovenski@univ.haifa.ac.il, yuyuetony@gmail.com, deepthought@asu.edu, michal.p.heller@aei.mpg.de, gerhard.heinzel@aei.mpg.de, georgi.dvali@physik.uni-muenchen.de, andreas.doering@fau.de, erik@strangebeautiful.com, hand@chalmers.se, rteams@esi.ac.at, gary@physics.ucsb.edu, galloway@math.miami.edu, laan@aei.mpg.de, dmalaman@uci.edu, cmchen@phy.ncu.edu.tw, nester@phy.ncu.edu.tw, tod@maths.ox.ac.uk, seri@math.princeton.edu, H.S.Reall@damtp.cam.ac.uk, hvanelst@karlshochschule.de, baez@math.ucr.edu, geroch@uchicago.edu, b.j.carr@qmul.ac.uk, teta@mat.uniroma1.it, gfrellis@gmail.com, helfera@missouri.edu, schoen@math.stanford.edu, stefan.hollands@itp.uni-leipzig.de, c.isham@imperial.ac.uk, s.hartmann@lmu.de, charles.torre@usu.edu, kuchar@physics.utah.edu, hohanian@uvm.edu, giulini@itp.uni-hannover.de, psjcosmos@gmail.com, goswami@ukzn.ac.za, genzel@mpe.mpg.de, unruh@physics.ubc.ca, xzhang@amss.ac.cn, janusz.garecki@usz.edu.pl, andrzej.krolak@ncbj.gov.pl, info@copernicuscenter.edu.pl, grideoutjr@aol.com, josemm.senovilla@ehu.es, matt.visser@msor.vuw.ac.nz, vpetkov@minkowskiinstitute.org, john.stachel@gmail.com, david\_brown@ncsu.edu, damour@ihes.fr, landsman@math.ru.nl

Cc: Ralf Metzler <rmetzler@uni-potsdam.de>, Thomas Beyer <thomas.beyer@meduniwien.ac.at>, marcel.filoche@polytechnique.edu, Jan De Boer <j.deboer@uva.nl>, jasper.vandergucht@wur.nl, Raul Arenal <arenal@unizar.es>, Georgios Balasis <gbalasis@noa.gr>, Andrea Bassi <andrea1.bassi@polimi.it>, Hendrick Bethlem <h.l.bethlem@vu.nl>, Pascal Brault <pascal.brault@univ-orleans.fr>, Irene Buvat <irene.buvat@curie.fr>

The text version of my newest video is at

<http://chakalov.net/text.pdf>

D.C.

On Wed, Jun 8, 2022 at 2:51 PM, Dimi Chakalov <dchakalov@gmail.com> wrote:

>

> Dear Colleagues,

>

> Please see

> <http://chakalov.net/talk.pdf>

> Hope you will like it... or your money back:-)

[snip]





Dimi Chakalov &lt;dchakalov@gmail.com&gt;

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## The Fifth Force

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Dimi Chakalov &lt;dchakalov@gmail.com&gt;

Wed, Jun 8, 2022 at 2:51 PM

To: yraptis@central.ntua.gr, anastop@physics.upatras.gr, ksavvidou@upatras.gr, piotr.chrusciel@univie.ac.at, florian.bonell@univie.ac.at, david.fajman@univie.ac.at, thomas.mieling@univie.ac.at, maximilian.ofner@univie.ac.at, mateja.gosenca@univie.ac.at, stefan.palenta@univie.ac.at, f.steininger@univie.ac.at, svozil@tuwien.ac.at, michele.maggiore@unige.ch, zhaoyanwu2000@yahoo.com, norbert.straumann@gmail.com, jacobson@umd.edu, joergf@maths.otago.ac.nz, vrovenski@univ.haifa.ac.il, yuyuetony@gmail.com, deepthought@asu.edu, michal.p.heller@aei.mpg.de, gerhard.heinzel@aei.mpg.de, georgi.dvali@physik.uni-muenchen.de, andreas.doering@fau.de, erik@strangebeautiful.com, hand@chalmers.se, rteams@esi.ac.at, gary@physics.ucsb.edu, galloway@math.miami.edu, laan@aei.mpg.de, dmalaman@uci.edu, cmchen@phy.ncu.edu.tw, nester@phy.ncu.edu.tw, tod@maths.ox.ac.uk, seri@math.princeton.edu, H.S.Reall@damtp.cam.ac.uk, hvanelst@karlshochschule.de, baez@math.ucr.edu, geroch@uchicago.edu, b.j.carr@qmul.ac.uk, teta@mat.uniroma1.it, gfrellis@gmail.com, helfera@missouri.edu, schoen@math.stanford.edu, stefan.hollands@itp.uni-leipzig.de, c.isham@imperial.ac.uk, s.hartmann@lmu.de, charles.torre@usu.edu, kuchar@physics.utah.edu, hohanian@uvm.edu, giulini@itp.uni-hannover.de, psjcosmos@gmail.com, goswami@ukzn.ac.za, genzel@mpe.mpg.de, unruh@physics.ubc.ca, xzhang@amss.ac.cn, janusz.garecki@usz.edu.pl, andrzej.krolak@ncbj.gov.pl, info@copernicuscenter.edu.pl, grideoutjr@aol.com, josemm.senovilla@ehu.es, matt.visser@msor.vuw.ac.nz, vpetkov@minkowskiinstitute.org, john.stachel@gmail.com, david\_brown@ncsu.edu, damour@ihes.fr

Cc: Ralf Metzler <rmetzler@uni-potsdam.de>, Thomas Beyer <thomas.beyer@meduniwien.ac.at>, Marcel Filoche <marcel.filoche@polytechnique.edu>, Jan De Boer <j.deboer@uva.nl>, Jasper Van Der Gucht <jasper.vandergucht@wur.nl>, Raul Arenal <arenal@unizar.es>, Georgios Balasis <gbalasis@noa.gr>, Andrea Bassi <andrea1.bassi@polimi.it>, Hendrick Bethlem <h.l.bethlem@vu.nl>, Pascal Brault <pascal.brault@univ-orleans.fr>, Irene Buvat <irene.buvat@curie.fr>

Dear Colleagues,

Please see

<http://chakalov.net/talk.pdf>

Hope you will like it... or your money back:-)

In January this year, I contacted 13 laboratories in 8 European countries and offered them to conduct the experimental verification of the fifth force, under controlled conditions, but nobody replied. I can offer again a home video, like the one from January 2020, <http://chakalov.net/donkey.png>

Do you suspect that I might be using some "special gadgets" and/or "animation software" ?

Sincerely,

Dimi Chakalov  
[chakalov.net](http://chakalov.net)



Dimi Chakalov &lt;dchakalov@gmail.com&gt;

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**Re: The Fifth Force**

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**Dimi Chakalov** <dchakalov@gmail.com>

Thu, Jun 16, 2022 at 3:29 PM

To: pollack@uw.edu, galloway@math.miami.edu, piotr.chrusciel@univie.ac.at, yraptis@central.ntua.gr, anastop@physics.upatras.gr, ksavvidou@upatras.gr, florian.bonell@univie.ac.at, david.fajman@univie.ac.at, thomas.mieling@univie.ac.at, maximilian.ofner@univie.ac.at, mateja.gosenca@univie.ac.at, stefan.palenta@univie.ac.at, f.steinger@univie.ac.at, svozil@tuwien.ac.at, michele.maggiore@unige.ch, zhaoyanwu2000@yahoo.com, norbert.straumann@gmail.com, jacobson@umd.edu, joergf@maths.otago.ac.nz, vrovnski@univ.haifa.ac.il, yuyuetony@gmail.com, deepthought@asu.edu, michal.p.heller@aei.mpg.de, gerhard.heinzel@aei.mpg.de, georgi.dvali@physik.uni-muenchen.de, andreas.doering@fau.de, erik@strangebeautiful.com, hand@chalmers.se, rteams@esi.ac.at, gary@physics.ucsb.edu, laan@aei.mpg.de, dmalamen@uci.edu, cmchen@phy.ncu.edu.tw, nester@phy.ncu.edu.tw, tod@maths.ox.ac.uk, seri@math.princeton.edu, H.S.Reall@damtp.cam.ac.uk, hvanelst@karlshochschule.de, baez@math.ucr.edu, geroch@uchicago.edu, b.j.carr@qmul.ac.uk, teta@mat.uniroma1.it, gfrellis@gmail.com, helfera@missouri.edu, schoen@math.stanford.edu, stefan.hollands@itp.uni-leipzig.de, c.isham@imperial.ac.uk, charles.torre@usu.edu, kuchar@physics.utah.edu, hohanian@uvm.edu, giulini@itp.uni-hannover.de, psjcosmos@gmail.com, goswami@ukzn.ac.za, genzel@mpe.mpg.de, unruh@physics.ubc.ca, xzhang@amss.ac.cn, janusz.garecki@usz.edu.pl, andrzej.krolak@ncbj.gov.pl, info@copernicuscenter.edu.pl, grideoutjr@aol.com, josemm.senovilla@ehu.es, matt.visser@msor.vuw.ac.nz, vpetkov@minkowskiinstitute.org, john.stachel@gmail.com, david\_brown@ncsu.edu, damour@ihes.fr

P.S. If you want math, see  
<http://chakalov.net/sampler.jpg>

More at  
<http://chakalov.net/talk.pdf>  
<http://chakalov.net/RS.pdf>

D.C.

On Wed, Jun 8, 2022 at 2:51 PM, Dimi Chakalov <dchakalov@gmail.com> wrote:  
[snip]



Dimi Chakalov &lt;dchakalov@gmail.com&gt;

## Old Tanzanian saying

Dimi Chakalov &lt;dchakalov@gmail.com&gt;

Fri, Jun 24, 2022 at 12:12 PM

To: brill@umd.edu, pollack@uw.edu, galloway@math.miami.edu, piotr.chrusciel@univie.ac.at, yraptis@central.ntua.gr, anastop@physics.upatras.gr, ksavvidou@upatras.gr, florian.bonell@univie.ac.at, david.fajman@univie.ac.at, thomas.mieling@univie.ac.at, maximilian.ofner@univie.ac.at, mateja.gosenca@univie.ac.at, stefan.palenta@univie.ac.at, f.steining@univie.ac.at, svozil@tuwien.ac.at, michele.maggiore@unige.ch, zhaoyanwu2000@yahoo.com, norbert.straumann@gmail.com, jacobson@umd.edu, joergf@maths.otago.ac.nz, vrovenski@univ.haifa.ac.il, yuyuetony@gmail.com, deepthought@asu.edu, michal.p.heller@aei.mpg.de, gerhard.heinzel@aei.mpg.de, georgi.dvali@physik.uni-muenchen.de, andreas.doering@fau.de, erik@strangebeautiful.com, hand@chalmers.se, rteams@esi.ac.at, gary@physics.ucsb.edu, laan@aei.mpg.de, dmalamen@uci.edu, cmchen@phy.ncu.edu.tw, nester@phy.ncu.edu.tw, tod@maths.ox.ac.uk, seri@math.princeton.edu, H.S.Reall@damtp.cam.ac.uk, hvanelst@karlshochschule.de, baez@math.ucr.edu, geroch@uchicago.edu, b.j.carr@qmul.ac.uk, teta@mat.uniroma1.it, gfrellis@gmail.com, helfera@missouri.edu, schoen@math.stanford.edu, stefan.hollands@itp.uni-leipzig.de, c.isham@imperial.ac.uk, charles.torre@usu.edu, kuchar@physics.utah.edu, hohanian@uvm.edu, giulini@itp.uni-hannover.de, psjcosmos@gmail.com, goswami@ukzn.ac.za, genzel@mpe.mpg.de, unruh@physics.ubc.ca, xzhang@amss.ac.cn, janusz.garecki@usz.edu.pl, andrzej.krolak@ncbj.gov.pl, info@copernicuscenter.edu.pl, grideoutjr@aol.com, josemm.senovilla@ehu.es, matt.visser@msor.vuw.ac.nz, vpetkov@minkowskiinstitute.org, john.stachel@gmail.com, david\_brown@ncsu.edu, damour@ihes.fr

<http://chakalov.net/sampler.jpg>

[http://chakalov.net/Slide\\_1.jpg](http://chakalov.net/Slide_1.jpg)

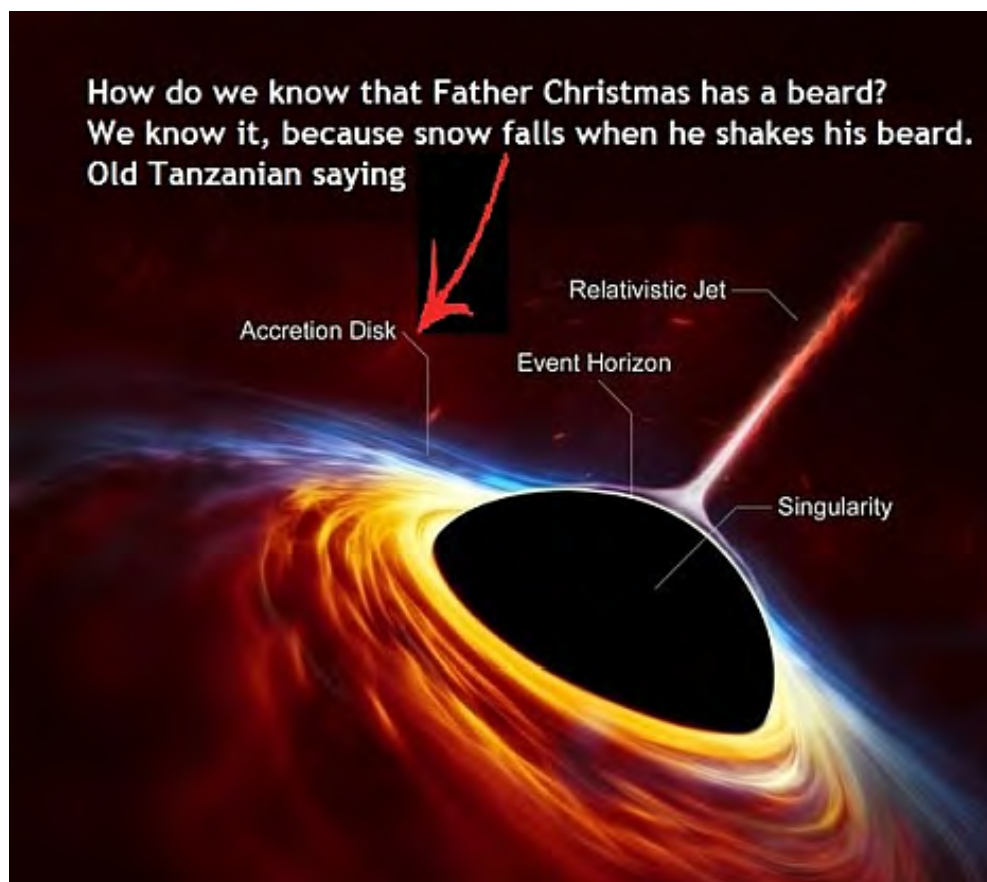
[http://chakalov.net/p\\_12.jpg](http://chakalov.net/p_12.jpg)

[http://chakalov.net/p\\_3.jpg](http://chakalov.net/p_3.jpg)

<http://chakalov.net/talk.pdf>

<http://chakalov.net/RS.pdf>

D. Chakalov





Dimi Chakalov &lt;dchakalov@gmail.com&gt;

## The Fifth Force: Have your cake and eat it!

Dimi Chakalov &lt;dchakalov@gmail.com&gt;

Sat, Jun 25, 2022 at 12:02 PM

To: Dianna &lt;info@physicsgirl.org&gt;

Cc: brill@umd.edu, pollack@uw.edu, galloway@math.miami.edu, piotr.chrusciel@univie.ac.at, yraptis@central.ntua.gr, anastop@physics.upatras.gr, ksavidou@upatras.gr, florian.bonell@univie.ac.at, david.fajman@univie.ac.at, thomas.mieling@univie.ac.at, maximilian.ofner@univie.ac.at, mateja.gosenca@univie.ac.at, stefan.palenta@univie.ac.at, f.steinger@univie.ac.at, svozil@tuwien.ac.at, michele.maggiore@unige.ch, zhaoyanwu2000@yahoo.com, norbert.straumann@gmail.com, jacobson@umd.edu, joergf@maths.otago.ac.nz, vrovenski@univ.haifa.ac.il, yuyuetony@gmail.com, deepthought@asu.edu, michal.p.heller@aei.mpg.de, gerhard.heinzel@aei.mpg.de, georgi.dvali@physik.uni-muenchen.de, andreas.doering@fau.de, erik@strangebeautiful.com, hand@chalmers.se, rteams@esi.ac.at, gary@physics.ucsb.edu, laan@aei.mpg.de, dmalamen@uci.edu, cmchen@phy.ncu.edu.tw, nester@phy.ncu.edu.tw, tod@maths.ox.ac.uk, seri@math.princeton.edu, H.S.Reall@damtp.cam.ac.uk, hvanelst@karlshochschule.de, baez@math.ucr.edu, geroch@uchicago.edu, b.j.carr@qmul.ac.uk, teta@mat.uniroma1.it, gfrellis@gmail.com, helfera@missouri.edu, schoen@math.stanford.edu, stefan.hollands@itp.uni-leipzig.de, c.isham@imperial.ac.uk, charles.torre@usu.edu, kuchar@physics.utah.edu, hohanian@uvm.edu, giulini@itp.uni-hannover.de, psjcosmos@gmail.com, goswami@ukzn.ac.za, genzel@mpe.mpg.de, unruh@physics.ubc.ca, xzhang@amss.ac.cn, janusz.garecki@usz.edu.pl, andrzej.krolak@ncbj.gov.pl, info@copernicuscenter.edu.pl, grideoutjr@aol.com, josemm.senovilla@ehu.es, matt.visser@msor.vuw.ac.nz, vpetkov@minkowskiinstitute.org, john.stachel@gmail.com, david\_brown@ncsu.edu, damour@ihes.fr

[http://chakalov.net/p\\_12.jpg](http://chakalov.net/p_12.jpg)

Details in

<http://chakalov.net/sampler.jpg>

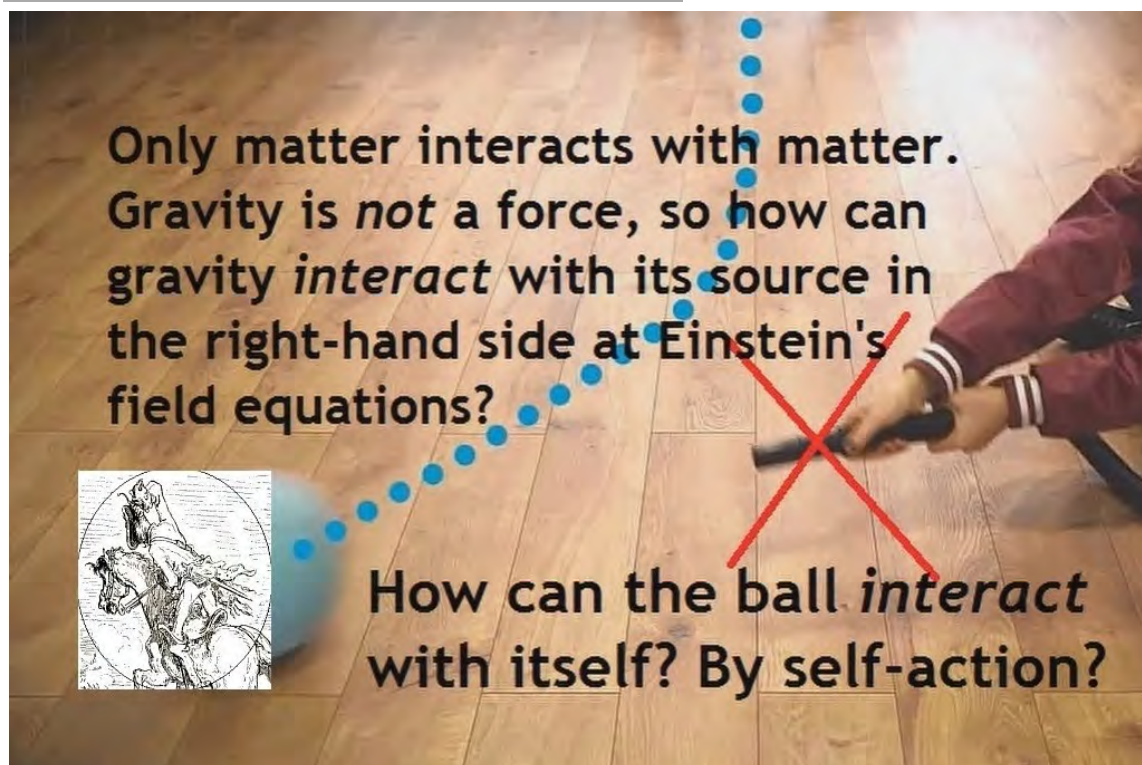
[http://chakalov.net/Slide\\_1.jpg](http://chakalov.net/Slide_1.jpg)

[http://chakalov.net/p\\_3.jpg](http://chakalov.net/p_3.jpg)

<http://chakalov.net/talk.pdf>

<http://chakalov.net/RS.pdf>

D. Chakalov



<http://www.god-does-not-play-dice.net/Dianna.mp4>



Dimi Chakalov <dchakalov@gmail.com>

## Convert "gravitons" to gamma-ray bursts?

Dimi Chakalov <dchakalov@gmail.com>

Sat, Aug 13, 2022 at 2:43 PM

To: valerie.connaughton@nasa.gov, pgarnavi@nd.edu, woodw024@umn.edu, sven@uoguelph.ca, soker@physics.technion.ac.il, fozel@arizona.edu, avikhlinin@head.cfa.harvard.edu, mwb@space.mit.edu, stefan.m.immler@nasa.gov, dominic.benford@nasa.gov, thomas.hams-1@nasa.gov, brad.cenko@nasa.gov, elizabeth.a.pumphrey@nasa.gov, peterm@stanford.edu, lorella.angelini-1@nasa.gov, persis@stanford.edu, julio@star.le.ac.uk, hanna@physics.mcgill.ca, mario.perez@nasa.gov, hdieter@clemson.edu, frank.marshall@nasa.gov, siegel@swift.psu.edu, mjp@mssl.ucl.ac.uk, gianpiero.tagliaferri@brera.inaf.it, bcarpenter@nasa.gov, devon.w.griffin@nasa.gov, giommi@asi.it, william.b.latter@nasa.gov, kevin.y.sato@nasa.gov, patricia.m.knezek@nasa.gov, bruce.a.tagg@nasa.gov, HQ-FINESST@mail.nasa.gov, community@space.com

Dear colleagues,

Sorry for my unsolicited email. May I ask a question.

Do you know how to convert "gravitons" (if any) to gamma-ray bursts?

Please see attached an excerpt from p. 7 (last) at

<http://chakalov.net/text.pdf>

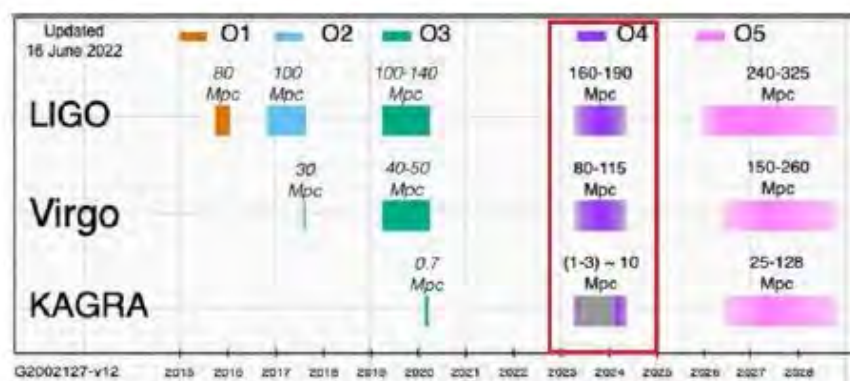
Your insights will be highly appreciated. Thank you for your time.

Kind regards,

Dimi Chakalov

<http://chakalov.net/#reports>

Can the LIGO experts convert "gravitons" into gamma-ray bursts? The first failure to suggest some coupling of gravity to EM field was in 1914. No way.



LIGO News, June 17, 2022: O4 will begin in March 2023. It is expected to last one full year. The three "runs" so far, O1 - O3, showed no "gravitational-wave signals" (arXiv: 2103.08520v4, 15 March 2021). None. Zilch.



Dimi Chakalov &lt;dchakalov@gmail.com&gt;

## STOP funding LIGO!

Dimi Chakalov <dchakalov@gmail.com>

Sun, Aug 14, 2022 at 12:56 AM

To: Daniel A Reed <danreed@nsf.gov>, Victor R McCrary <vmccrary@nsf.gov>, Alan Stern <sastern@nsf.gov>, Anneila Sargent <afs@astro.caltech.edu>, Matthew Malkan <malkan@astro.ucla.edu>, Heather Wilson <hwilson@utep.edu>  
Cc: jplozai@nsf.gov, dzannino@nsf.gov, linhu@associates.nsf.gov, jveysey@nsf.gov, emoran@nsf.gov, nlymn@nsf.gov, beta-nsf-feedback@nsf.gov, info@nsf.gov

Ladies and Gentlemen:

You support LIGO. Don't.

See an excerpt (attached) from p. 7 in

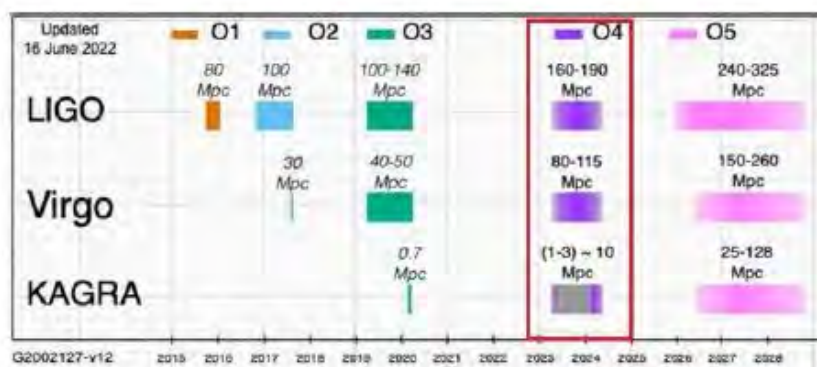
<http://chakalov.net/text.pdf>

I stand ready to explain the facts.

Yours sincerely,

Dimi Chakalov  
[chakalov.net](http://chakalov.net)

Can the LIGO experts convert “gravitons” into gamma-ray bursts? The first failure to suggest some coupling of gravity to EM field was in 1914. No way.



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