Review on Mars-phobos

John Boldwin

Morningstar Applied Physics, LLC, USA

Abstract:

Seek straightforwardness and afterward doubt it.î Albert Einstein This article presents an endeavor to bring together gravity,EM, Weak, and Strong Forces with regards to the GEM (Gravity Electro-Magnetism) unification hypothesis [1-6]. The quest for unification is the quest for straightforwardness, where a solitary un-derlying standard or marvel is tried to clarify various and conceivably perplexing impacts. On account of the Solid and Weak Nuclear collaborations, profoundly created what's more, complex formalisms were created to clarify each independently, be that as it may, to accomplish formal unification of these communications, one must advance back and spotlight on making basic depictions that clarify notable trial real factors. Specifically, requirements including science of marvels that are not straightforwardly perceptible must be shed, for expectation of observables. The Jewel unification hypothesis has had some achievement in binding together the two long-extend powers of nature, EM and gravity, and has accomplished this dependent on basic models, yet can anticipate the proton mass and Newton Gravitation steady to high exactness without free boundaries. Accordingly, this GEMinspired investigation of the short-run powers of nature: the Powerless and Strong communications, is done in the equivalent soul of material science, that of utilizing basic physical models to accomplish a basic figuring of observables. Such a soul existed in the beginning of the quantum period. In that time of Planck, Bohr and Einstein, established researchers en-countered an unusual new universe of nuclear scale phenom-enon and reacted with basic, butradically new, physical deas and perspectives. Effective early models of that type are the Bohr Model of the Hydrogen particle and Uhlenbeck and Goudsmitís model of the turning elecThe issue of frail and solid atomic powers and forecast of the Higgs-Boson mass from the GEMS (Gravity electro-attraction solid) unification hypothesis John Brandenburg Morningstar Applied Physics, LLC, Vienna, Virginia 22182, (USA) Email: jebrandenburg@madisoncollege.edu The GEMS (Gravity Electro-Magnetism Strong) hypothesis is reached out to the issue of Weak what's more, Strong Nuclear Forces and the issue of the Higgs Boson mass, as the start of an exertion to incorporate short range Nuclear Forces in the effective GEM unification hypothesis. The presence of a minimal 5 th measurement is found to make subatomic structures whereupon surface resonances and Mie scatterings happen, and these resonances can give rise quanta, called, here, mieons, that intercede atomic powers.. In the luza-Klein hypothesis of EM and gravity, a 5 th power field called the iRadionî emerges asascalar, with

a mark number of the Radion collaboration in the GEM hypothesis: 42.8503. Higher request resonances off the electro-static radii of the electron, proton and 5 th measurement size type of the GEM hypothesis, produce the quanta with masses of the pion $m\pi$ = 2 me/α $\approx$ 140.0 MeV and Z boson: mZ =2α mp = 80.4 GeV. The ηc meson $m\eta$ =2985 GeV is related to the 5 th measurement compactification power intervened by the Radion field. Another molecule related with is the Radion dispersing quanta off the fifth measurement with a mass Δm $\approx$ 127.7 GeV, which is the Higgs-Boson.

Full Papertron, which represented observables with basic mod-els, and even now, fill in as a reason for more complex understandings. The GEM hypothesis is a mathematical hypothesis, that is a composite of the Sakharov [7] and Kaluza-Klein hypothesis[8] approaches to the unification of EM and gravity, the two long-run powers of nature. The hypothesis is genuinely crude, being portrayed as a ìBohr Modelî of field unification at this point, by relationship to the early straightforward model of the quantum mechanics of the hydrogen particle. Notwithstanding, the Pearl hypothesis is fruitful in clarifying the fundamental relationship of EM and gravity power handle, that the texture of spacetime is electromagnetic, and acquires the field conditions of both with the 5th measurement of Kaluza-Klein and by connecting the presence of the proton and electron, the least vitality end individuals from the Lepton also, Baryon families as a couple of fields, to the presence of the power field pair of gravity and EM. The GEM hypothesis finds the estimation of G and the mass of the proton regarding the Planck mass, both to high exactness, with out free boundaries, accordingly. The GEM hypothesis connected the presence of the electronic charge and traditional molecule sweep, as a shrouded measurement size, r o , to the presence of the mass size of the sub-nuclear particles, the electron and protons. Nonetheless, it is resently perceived that the GEM hypothesis made an entryway to understanding the two short range powers of nature the Weak and Strong atomic powers, in light of the fact that in binding together gravity and EM in a mathematical hypothesis, it delivered a geo-metric scale system for atomic

particles and the system for their connections. The GEM hypothesis created the image of EM powers between charged articles as well as additionally between uncharged structures that can be expanded to incorporate short-go atomic powers. In this manner, the GEM hypothesis can be reached out to clarify the Weak and Strong powers dependent on two proposes: 1. The electron and proton show up as resonances off the Kaluza-Klein 5th dimen-sion size of the Radion or mass prompting field made when EM and Gravity discrete; 2. Second request quantum Mie scatterings off the EM structures of the electron furthermore, proton and the 5th measurement itself make boson fields related with Strong Weak and Mass prompting fields. In the Kaluza-Klein 5th dimensional hypothesis, whereupon the GEM hypothesis is based, a 5 th power field, a scalar field called the R-field or ìRadionî field [9], must exist with bassless quanta. This can be seen heuristically in the setting of the SU(5) hypothesis of Georgi and Glashow[10], with SU(5) representing an uncommon unitary 5 dimensional gathering, where each measurement can be related with a evenness and a power field, with the R field and its quanta being related with the 5 th measurement. Be that as it may, similar to all power handle, the R-field must have a communication vitality with particles that must change their mass through E=mc In addition, on account of the Radion field it creates all the rest-mass, instead of a little addition. It is found in this point of view that the Strong and Weak Forces, which are short-run are interceded with first-request ìbranchingsî or quantum Mie scatterings of the R-field and quantum EM field off the mathematical structures related with the electron and proton separately. An enchanted meson low-est mass state is related with the size of the 5 th dimen-sion itself and an expanding from this meson delivers a quanta of the mass in the range anticipated for the Higgs-Boson. Along these lines, the Higgs-Boson happens in the all-encompassing Pearl hypothesis, and as in the Standard model is related with the field that makes mass. In the following segment, it will be quickly demonstrated that the majority of the interceding quanta at low energies for the Weak, Strong and Radion fieldñ the Higgs-Boson can be produced. Notwithstanding, this part will be just starting and guide the path toward cautious study the Strong atomic power in the GEM setting. The Weak atomic power has as of now effectively brought together with EM power by Glashow, Weinberg and Salam[11], prompting the fruitful forecast of the mass of the Z and W vector Bosons. We will thusly think principally on the relationship of the Strong power to EM, which is the long-run power generally dynamic in the subatomic scales. In the rest of this article we will portray how an expanded electrodynamics from the GEM 5 th dimen-sional hypothesis prompts a large group of shaky particles and that these new particles lead to new power fields outside the proton, prompting the development of cores, and furthermore to shading charge electrodynamics. At last, we will examine the unification of both the long-and short-go powers of nature in a five dimensional universe through the

re-sulting GEMS SU(5) balance bunch in an augmentation of crafted by Georgi and Glashow[10]. Here, we will bring apparatuses utilized in the unification of gravity with EM. To start with, we will start with the GEM formation of the electron and proton as pair of particles symmetric in control yet, deviated in structure, mirroring the asymmetry of structure of reality. The presence of the Kaluza-Klein fifth measurement originates from the parting of a conservative ìlight-likeî spacetime span, the main spacetime stretch viable with the vacuum, and that this triggers the show up ance of both the proton and electron from the vacuum ZPF and the different appearance of the EM and gravity power

INTRODUCTION

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The presence of a minimal 5 th measurement is found to make subatomic structures whereupon surface resonances and Mie scatterings happen, and these resonances can give rise quanta, called, here, mieons, that intercede atomic powers.. In the Kaluza-Klein hypothesis of EM and gravity, a 5 th power field called the ìRadionî emerges as a scalar, with a mark number of the Radion collaboration in the GEM hypothesis: =42.8503. Higher request resonances off the electro-static radii of the electron, proton and 5 th measurement size type of the GEM hypothesis, produce the quanta with masses of the pion m⬜ = 2 me/⬜ ⬜140.0 MeV and Z boson: mZ =2⬜ mp = 80.4 GeV. The ⬜c meson m⬜ =2985 GeV is related to the 5 th measurement compactification power intervened by the Radion field. Another molecule related with is the Radion dispersing quanta off the fifth measurement with a mass ⬜m⬜ ⬜ 127.7 GeV, which is the Higgs-Boson. Gotten : July 5, 2012 Acknowledged : September 7, 2012 Distributed : September 15, 2012 Abstract Ful Paper *Corresponding authorís Name and Add. John Brandenburg Morningstar Applied Physics, LLC, Vienna, Virginia 22182, (USA) Email: jebrandenburg@madisoncollege.edu Catchphrases Pearl unification hypothesis; Quantum electrodynamics; Weak power; Strong power; Exchange boson; Mie dispersing; Higgs Boson. id9026453 pdfMachine by Broadgun Software - an extraordinary PDF author! - an extraordinary PDF maker! - http://www.pdfmachine.com http://www.broadgun.com JSE, 1(1), 2012 . FP 18 FUll Paper tron, which represented observables with basic mod-els, and even now, fill in as a reason for more complex understandings. The GEM hypothesis is a mathematical hypothesis, that is a composite of the Sakharov[7] and Kaluza-Klein hypothesis[8] approaches to the unification of EM and gravity, the two long-run powers of nature. The hypothesis is genuinely crude, being portrayed as a ìBohr Modelî of field unification at this point, by relationship to the early straightforward model of the quantum mechanics of the hydrogen particle. Notwithstanding, the Pearl hypothesis is fruitful in clarifying the fundamental relationship of EM and gravity power handle, that the texture of spacetime is electromagnetic, and acquires the field conditions of both with the 5 th measurement of Kaluza-Klein and by connecting the presence of the proton and electron, the least vitality end individuals from the Lepton also, Baryon families as a couple of fields, to the presence of the power field pair of gravity and EM. The GEM hypothesis finds the estimation of G and the mass of the proton regarding the Planck mass, both to high exactness, with but free boundaries, accordingly. The GEM hypothesis connected the presence of the electronic charge and traditional molecule sweep, as a shrouded measurement size, r o, to the presence of the mass size of the sub-nuclear particles, the electron and protons. Nonetheless, it is presently perceived that the GEM hypothesis made an entryway to understanding the two short range powers of nature the Weak and Strong atomic powers, in light of the fact that in binding together gravity and EM in a

mathematical hypothesis, it delivered a geo-metric scale system for atomic particles and the system for their connections. The GEM hypothesis created the image of EM powers between charged articles as well as additionally between uncharged structures that can be expanded to incorporate short-go atomic powers. In this manner, the GEM hypothesis can be reached out to clarify the Weak and Strong powers dependent on two proposes: 1. The electron and proton show up as resonances off the Kaluza-Klein 5 th dimen-sion size of the Radion or mass prompting field made when EM and Gravity discrete; 2. Second request quantum Mie scatterings off the EM structures of the electron furthermore, proton and the 5 th measurement itself make boson fields related with Strong Weak and Mass prompting fields. In the Kaluza-Klein 5 th dimensional hypothesis, whereupon the GEM hypothesis is based, a 5 th power field, a scalar field called the R-field or ìRadionî field [9], must exist with massless quanta. This can be seen heuristically in the setting of the SU(5) hypothesis of Georgi and Glashow[10], with SU(5) representing an uncommon unitary 5 dimensional gathering, where each measurement can be related with a evenness and a power field, with the R field and its quanta being related with the 5 th measurement. Be that as it may, similar to all power handle, the R-field must have a communication vitality with particles that must change their mass through E=mc In addition, on account of the Radion field it creates all the rest-mass, instead of a little addition. It is found in this point of view that the Strong and Weak Forces, which are short-run are interceded with first-request ìbranchingsî or quantum Mie scatterings of the R-field and quantum EM field off the mathematical structures related with the electron and proton separately. An enchanted meson low-est mass state is related with the size of the 5 th dimen-sion itself and an expanding from this meson delivers aquanta of the mass in the range anticipated for the Higgs-Boson. Along these lines, the Higgs-Boson happens in the all-encompassing Pearl hypothesis, and as in the Standard model is related with the field that makes mass. In the following segment, it will be quickly demonstrated that the majority of the interceding quanta at low energies for the Weak, Strong and Radion fieldñ the Higgs-Boson can be produced. Notwithstanding, this part will be just starting and guide the path toward cautious study the Strong atomic power in the GEM setting. The Weak atomic power has as of now effectively brought together with EM power by Glashow, Weinberg and Salam[11], prompting the fruitful forecast of the mass of the Z and W vector Bosons. We will thusly think principally on the relationship of the Strong power to EM, which is the long-run power generally dynamic in the subatomic scales. In the rest of this article we will portray how an expanded electrodynamics from the GEM 5 th dimen-sional hypothesis prompts a large group of shaky particles and that these new particles lead to new power fields outside the proton, prompting the development of cores, and furthermore to shading charge electrodynamics. At

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