



SDI Review Form 1.6

Journal Name:	Asian Journal of Research and Review in Physics
Manuscript Number:	Ms_AJR2P_48664
Title of the Manuscript:	On the role of squared neutron number in reducing nuclear binding energy in the light of Electromagnetic, Weak and Nuclear gravitational constants – A Review
Type of the Article	Review Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	<p>Many of the Tables (for example, Table 1 and Table 2) have information that can simply be generated using equations in the text. These redundant lengthy Tables should be abbreviated or removed. Similarly, Figure 1 is not really needed.</p> <p>Some reference to experiments should be given so that the accuracy of estimated and SEMF binding energies can be judged.</p> <p>The significance of Z=30 (Results and Discussion, point 5) should be explained. Is there something peculiar about Zinc that makes this number important?</p>	<p>Dear Sir,</p> <p>Table-1 short end, table-2 removed. Removed Figure-1 References 4 , 5 and 6 added for binding energy.</p> <p>[4] G. Royer and A. Subercaze. Coefficients of different macro-microscopic mass formula from the AME2012 atomic mass evaluation, Nucl.Phys.A917 (2013) 1 – 14.</p> <p>[5] S.Cht. Mavrodiev and M.A. Deliyergiyev. Modification of the Nuclear Landscape in the Inverse Problem Framework using the Generalized Bethe-Weizsäcker Mass Formula. Int.J.Mod.Phys. E27 (2018) 1850015.</p> <p>[6] X. W. Xiaa et al. The limits of the nuclear landscape explored by the relativistic continuum Hatree-Bogoliubov theory. Atomic Data and Nuclear Data Tables 121-122 (2018) 1-215</p> <p>1) For the time being it can be understood that, with reference to strong coupling constant, Z=30 onwards, 'strength' of nuclear interaction remains constant. It needs further study.</p> <p>2) Added Unified approach-2 and tried to give some more information.</p>
Minor REVISION comments	<p>A reference or equation explaining the SEMF should be given on p. 11.</p> <p>References to string theory should be given to support the speculation in the Conclusions.</p>	<p>Equation-15 is there.</p> <p>String theory references..</p> <p>[4] Juan M. Maldacena. Gravity, Particle Physics and Their Unification. Int.J.Mod.Phys. A15S1 840-852 (2000)</p> <p>[5] Ashoke Sen. Strong-weak coupling duality in four-dimensional string theory. International Journal of Modern Physics A 9 (21): 3707–3750 (1994)</p> <p>[6] Reiner Hedrich. The Internal and External Problems of String Theory. A Philosophical View. J.Gen.Phil.Sci.38:261-278 (2007)</p>
Optional/General comments	English usage is acceptable but could be improved, as could quality of the presentation and figures.	

PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	