

Review Form 1.7

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_111106
Title of the Manuscript:	On u-d Quark Coulomb Origin of Nuclear Force
Type of the Article	

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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>This paper is based on scalar strong interaction (SSI) hadron theory, by using the nucleons as diquark – quark “connected” by rod: dd-rod-u for neutron and uu-rod-d for proton. Instead of the present “residual” strong interaction assignment, the origin of the nuclear force between the quarks is assigned to the Coulomb’s interactions. The Coulomb’s binding energies depend also on small observable internuclear distance which depends on the internuclear potential. The deuteron binding energy is considered and it is correctly estimated. It suggests that the origin of nuclear force between the quarks is Coulomb’s force, which is correct also by my opinion. The next light nuclei are also considered. Having in mind the previous comments, I suggest publication of this paper. Some minor corrections should be done.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Yes</p>	
<p>Optional/General comments</p>	<p>Here are some omissions:</p> <ul style="list-style-type: none"> - Page 1, row 10 from below should finish with “.” - Page 7, row 24 “If this quark were surrounded” should be “If this quark was surrounded” - Page 9, row 3 should finish with “.” 	

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PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

Name:	Kostadin Trenevski
Department, University & Country	Ss. Cyril and Methodius University, Macedonia