



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_47006
Title of the Manuscript:	Differences Between Two Weak Interaction Theories
Type of the 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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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			
Minor REVISION comments	<p>The electroweak theory invokes the factor $(1 \pm \gamma^5)$ in order to account for the V – A parity violating property of weak interactions. It means that the electroweak theory assumes parity violation. By contrast, the dipole-dipole weak interaction theory proves this property (5). It is also pointed out that in spite of the fact that the electroweak theory is about 50 years old, the wave equation of the W_{\pm}, Z particles is still not written explicitly in electroweak textbooks. By contrast, the wave equations of the photon (Maxwell equations) and the wave equation of a massive spin-1/2 particle (the Dirac equation) are discussed in every relevant textbook. The wave equation of the dipole-dipole weak interaction theory (4) is obtained in a straightforward manner.</p> <hr/> <p>It can be concluded that the dipole-dipole weak interaction theory is free of the theoretical discrepancies of the electroweak theory.</p>	<p>I would like to see phenomenology supporting this, i.e. you state Quote Therefore, for the sake of simplicity of this discussion, its explicit form is not presented here. It is just stated here that this Lagrangian density contains a very large number of terms but it omits a term that represents the interaction of the electrically charged W_{\pm} particles with the electromagnetic 4-potential A_{μ}. By contrast, the dipole-dipole weak interaction theory uses a combined electromagnetic and weak interactions Lagrangian density that takes the form of (3). This Lagrangian density comprises just four terms End of quote</p> <p>My question is what are the observational predictive consequences-aside from theoretical elegance improvements</p>	
Optional/General comments			



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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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

Name:	Andrew Beckwith
Department, University & Country	Chongqing University, China