



**SDI Review Form 1.6**

Journal Name:	<a href="#">Asian Journal of Research and Reviews in Physics</a>
Manuscript Number:	Ms_AJR2P_64883
Title of the Manuscript:	First principles Investigation of Structure and electronic properties of NiTe <sub>2</sub> Fermi Crossing Type-II Dirac Semimetal.
Type of the Article	Original Research 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/journal/10/editorial-policy> )

**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)
<b>Compulsory</b> REVISION comments	<p>Dear authors In the manuscript entitled "First principles Investigation of Structure and electronic properties of NiTe<sub>2</sub> Fermi Crossing Type-II Dirac Semimetal." Authors performed first principles calculation on NiTe<sub>2</sub> in order to understand the structural and electronic properties of these compounds. The manuscript is poorly written and need major revision and inputs in order to consider for publication.</p> <ol style="list-style-type: none"> <li>1. "Generally, our structural parameters for all NiTe<sub>2</sub> compounds are in agreement with X-ray diffraction Rietveld refinement studies." Since this study doesn't perform XRD measurements, proper reference should be given.</li> <li>2. There are so many, words, phrases, sentences which should be corrected/replaced to give correct meaning. Few of them are</li> <li>3. Why not use an approximation of LDA instead of GGA?</li> <li>4. Why not compare your work with similar theoretical work?</li> <li>5. Why are some references from so many years ago?</li> </ol>	
<b>Minor</b> REVISION comments		
<b>Optional/General</b> 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:	<b>Esmail Pakizeh</b>
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