



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_32396
Title of the Manuscript:	Remarks on the Significance of Pentaquark Classification
Type of the Article	Original research Paper

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>)



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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>The author argues the existence of the pentaquarks, independent of any specific physical theory and their binding energy, which is only some MeV. As a consequence, a nuclear-like pentaquark is expected to be stable with respect to a strong interaction decay. Some arguments indicate that the existence of nuclear-like pentaquark is very unlikely. It is also deduced from the laws of QCD that strongly bound hadronic states having a pentaquark structure should be found in accelerator data. So, the QCD pentaquarks agree with the original pentaquark definition. The author's hypothesis is looking promising for experimental testing.</p>	<p>As of today there is no experimental confirmation of the existence of strongly bound pentaquarks. Therefore, QCD pentaquarks are theoretical ideas. This matter is stated in the paper, at the end of sections 3 and 4.</p>
Minor REVISION comments	<p>Author is asked to argue in more details about the QCD theory backgrounds which are suitable for describing the pentaquark structures.</p>	<p>The third paragraph above section 4 Conclusions is added. It aims to explain briefly why the authors of [2, 3] have proposed their specific quark flavour of the QCD pentaquark structure. The 4 words: "follows this approach and" are added to the next paragraph.</p>
Optional/General comments		