



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_18709
Title of the Manuscript:	Charge Radii of B and D mesons in a Quark Model with two loop static potential
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/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)
<u>Compulsory</u> REVISION comments	<p><u>Evaluation Criteria Scientific part</u></p> <p>1- The introduction is very lack to describe the radii of meson in which you consider the hadron has a considerable size. Also the inspired QCD model which plays the vital role in your paper add few lines for both points.</p> <p>2- in section "2.2 Two loop static potential in V scheme" you did not describe the two-loop potential and what are the difference between schemes. Please add a considerable part in this section to explain the issue in a sufficient way.</p> <p>3- How did you get analytical solution for the integral 6 to be eq. 7 although the integral is definite . Or you solved it as indefinite integral .</p> <p>4- please clarify e in front of the form factor</p> <p>5- In page 5 line1 you said "The mean square charge radii of the heavy pseudoscalar mesons have not been</p>	



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measured yet ." This is not true, the charge radii are calculated in ref. [15] in details which is the reference that you depending on your calculations.

II- Evaluation Criteria Polishing of the language, formattingetc

Page	Line, paragraph	Suggested modification
1	3,p1	Models [3-10]
1	3,p1	space
1	5,p1	Model [11-15]
1	5,p1	Replace by "which undergo"
1	6,p1	[11-14]
3	1,p1	Replace by "substituting by eq.(1) into eq.(6), then integrate"

References put dot in the end of each line

Arrange table item in another way that appears in the results.



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	<p>My opinion is that this research paper needs <u>Compulsory revision comments</u></p> <p>Plagiarism Issue :</p> <p>http://www.worldscientific.com/doi/abs/10.1142/S0217732309028308</p>	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		

Reviewer Details:

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